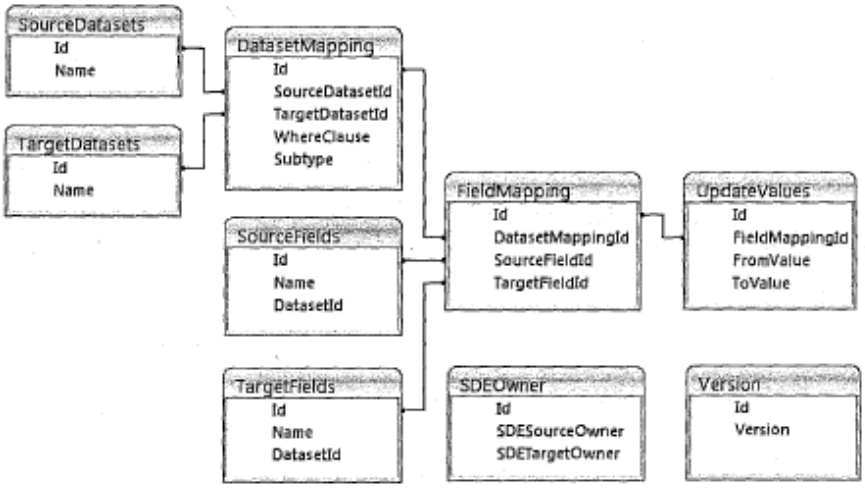
Procedures to convert TGD 3.2 to GGDM 2.1 using cross-reference databases in Esri ArcCatalog 10.0

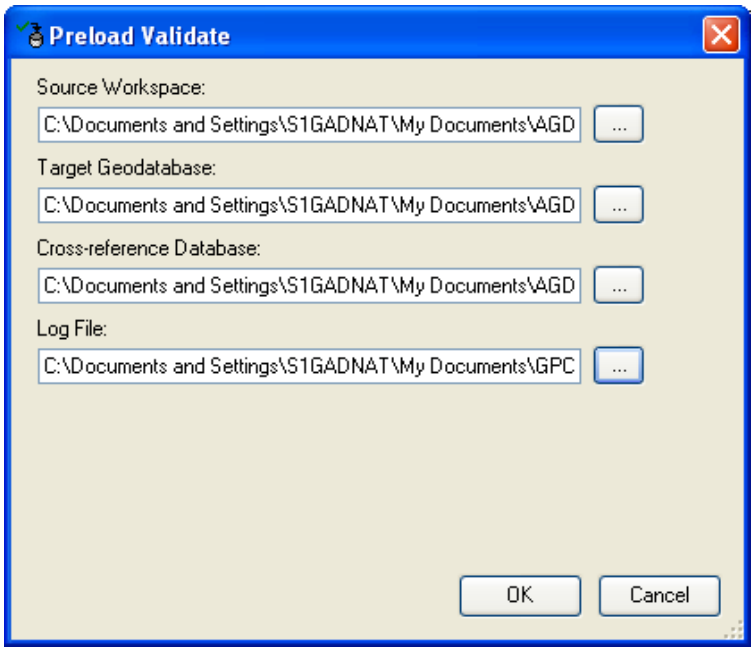
1. Read the Unmapped TGD 3 2 Features.docx to determine if any geometry conversions are necessary before starting the data translation.
2. The cross-reference personal geodatabase (Local or Urban) has the following relationships:



3. ArcCatalog → Production Mapping toolbar →
4. Validate the cross-reference geodatabase :
   a. You need to compare your TGD 3.2 source database and the GGDM 2.1 target geodatabase against the cross-reference database prior to loading.

   b. Click the Preload Validate Tool
   c. For Source Workspace, click the ellipsis button, navigate to your TGD 3.2 data, and click Select.
   d. For Target Geodatabase, click the ellipsis button, navigate to the GGDM geodatabase, and click Select.
   e. For Cross-reference Database, click the ellipsis button, navigate to the provided Cross Reference personal geodatabase, and click Add.
   f. For Log File, click the ellipsis button and browse to a folder where you want to save the Log file.
   g. For Name type ValidateTGDload [or your choice] and click Save.

h. Your dialog box should look like the following graphic:



i. Click OK to run the validation.

j. When prompted, click Yes to view the log file.

The log file reports any datasets and fields that are not in the source or target workspace but are present in the cross-reference database. It also lists the paths to the cross-reference database, source workspace, and target workspace.

k. Your log file should contain the following information:

Preload Validate Log
Start Time: 10/2/2012 3:40:31 PM
Cross-reference Database: C:\Documents and Settings\S1GADNAT\My Documents\AGDM Data Modeling\PhysicalImplementation\Translations\TGD\Translation_Content_Tactical_120710.mdb
Source Workspace: C:\Documents and Settings\S1GADNAT\My Documents\GPC\PACCOM\Guam_Local\[CL]Guam01.gdb
Target Workspace: C:\Documents and Settings\S1GADNAT\My Documents\AGDM Data Modeling\PhysicalImplementation\Translations\TGD\GGDM v21_Final_Local_St_10_11282011.gdb

l. If there are any errors, ensure you understand and accept them.

m. The FCSubtype errors are due to the GGDM implementation of NFDD FCodes are not an issue.

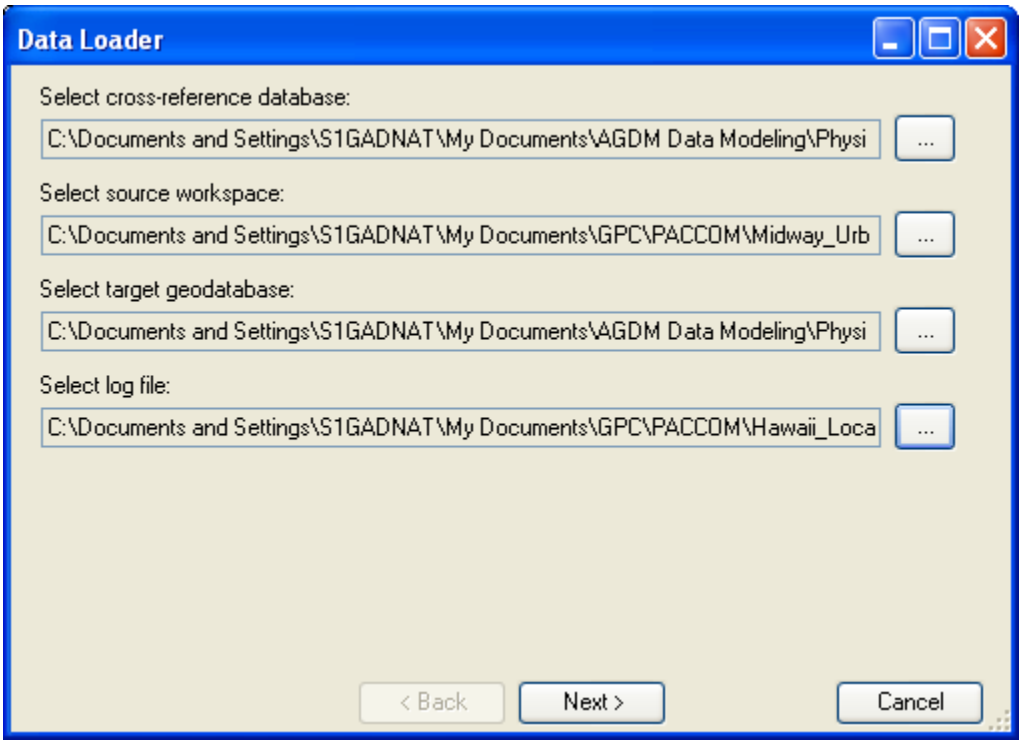
n. Close the log file.

o. Now that you have validated your cross-reference database against your source and target databases, you can perform the data load operation.

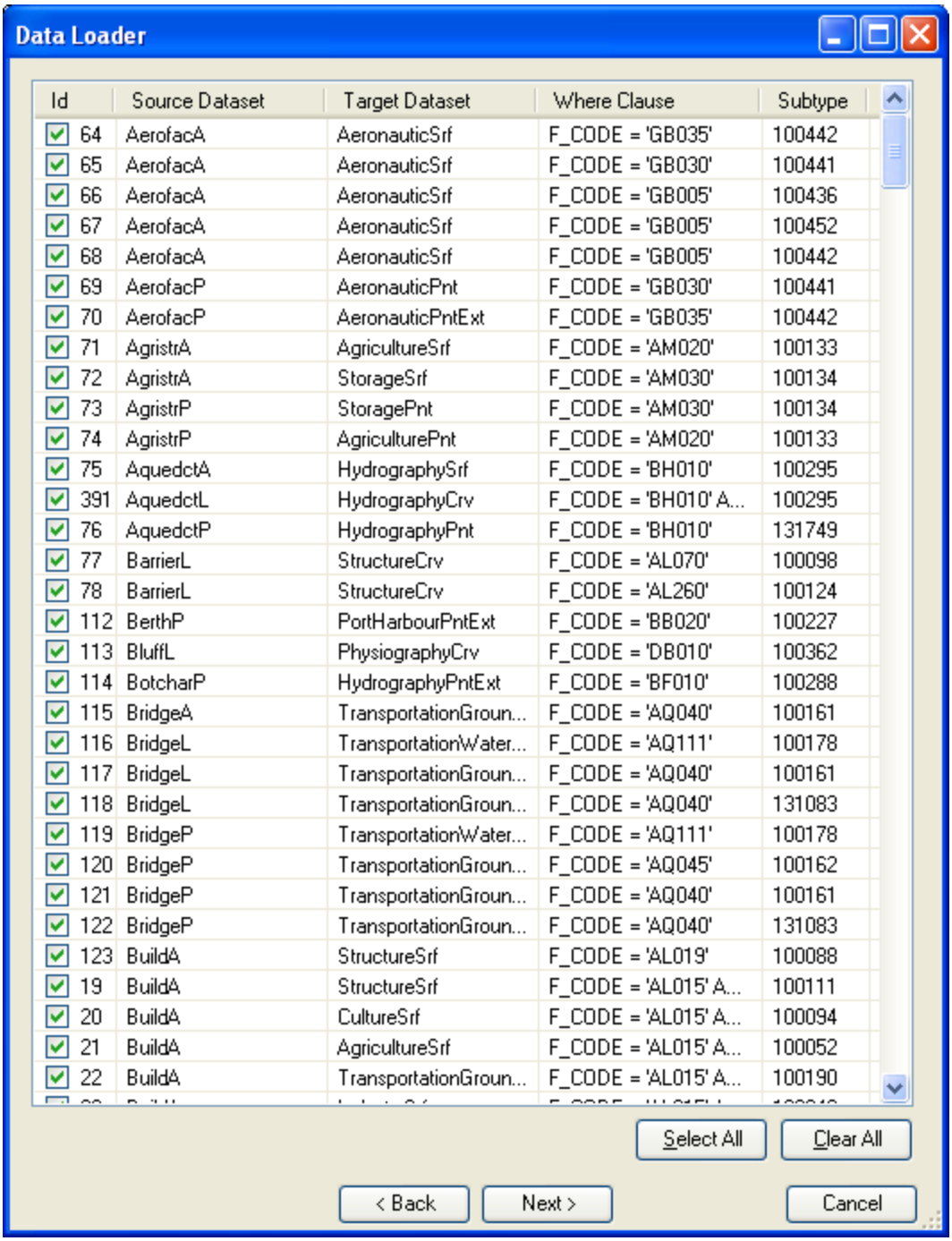
5. Load the data:

   The loading process is completed in a series of steps presented in a wizard. The first part of the process requires you to navigate to the cross-reference database, the source workspace, the target workspace, and an output location for the log file that will be created. The log file is generated as a text file that contains the results of the loading process for each subtype.

   a. Click the Data Loader Tool
   b. Complete the dialog box so that it looks like the following graphic and click Next:

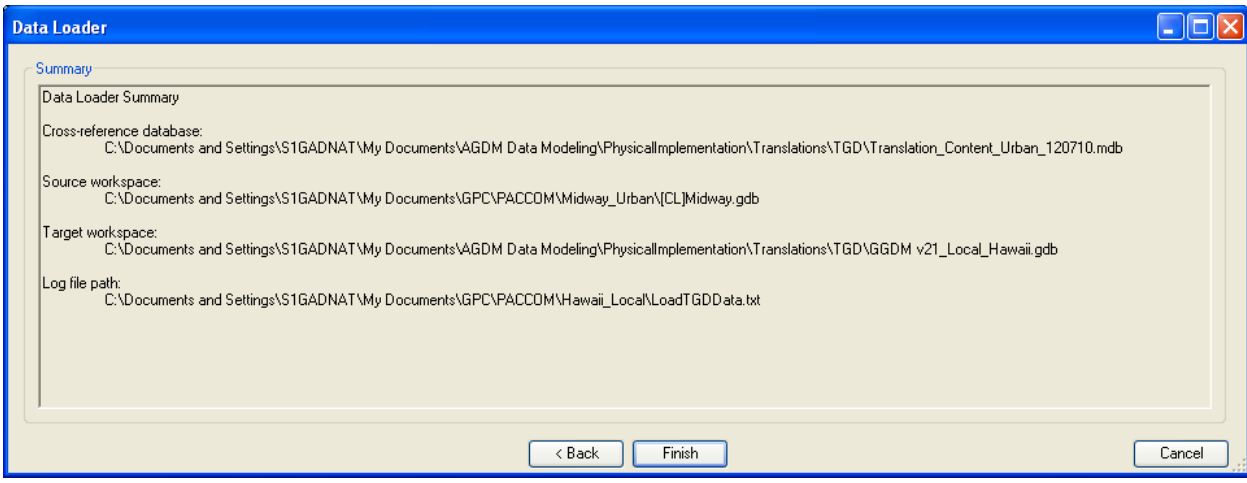


   c. Choose the feature classes that are going to be loaded into the GGDM 2.1 database. You can choose to load all or only some of the features from the source TGD 3.2 database.
   d. Click the Clear All button if you want to select some or Click the Select All button for all features.
   e. Click the Source Dataset header to sort the feature classes alphabetically.



Id	Source Dataset	Target Dataset	Where Clause	Subtype
64	AerofacA	AeronauticSrf	F_CODE = 'GB035'	100442
65	AerofacA	AeronauticSrf	F_CODE = 'GB030'	100441
66	AerofacA	AeronauticSrf	F_CODE = 'GB005'	100436
67	AerofacA	AeronauticSrf	F_CODE = 'GB005'	100452
68	AerofacA	AeronauticSrf	F_CODE = 'GB005'	100442
69	AerofacP	AeronauticPnt	F_CODE = 'GB030'	100441
70	AerofacP	AeronauticPntExt	F_CODE = 'GB035'	100442
71	AgristrA	AgricultureSrf	F_CODE = 'AM020'	100133
72	AgristrA	StorageSrf	F_CODE = 'AM030'	100134
73	AgristrP	StoragePnt	F_CODE = 'AM030'	100134
74	AgristrP	AgriculturePnt	F_CODE = 'AM020'	100133
75	AquedctA	HydrographySrf	F_CODE = 'BH010'	100295
391	AquedctL	HydrographyCrv	F_CODE = 'BH010' A...	100295
76	AquedctP	HydrographyPnt	F_CODE = 'BH010'	131749
77	BarrierL	StructureCrv	F_CODE = 'AL070'	100098
78	BarrierL	StructureCrv	F_CODE = 'AL260'	100124
112	BerthP	PortHarbourPntExt	F_CODE = 'BB020'	100227
113	BluffL	PhysiographyCrv	F_CODE = 'DB010'	100362
114	BotcharP	HydrographyPntExt	F_CODE = 'BF010'	100288
115	BridgeA	TransportationGroun...	F_CODE = 'AQ040'	100161
116	BridgeL	TransportationWater...	F_CODE = 'AQ111'	100178
117	BridgeL	TransportationGroun...	F_CODE = 'AQ040'	100161
118	BridgeL	TransportationGroun...	F_CODE = 'AQ040'	131083
119	BridgeP	TransportationWater...	F_CODE = 'AQ111'	100178
120	BridgeP	TransportationGroun...	F_CODE = 'AQ045'	100162
121	BridgeP	TransportationGroun...	F_CODE = 'AQ040'	100161
122	BridgeP	TransportationGroun...	F_CODE = 'AQ040'	131083
123	BuildA	StructureSrf	F_CODE = 'AL019'	100088
19	BuildA	StructureSrf	F_CODE = 'AL015' A...	100111
20	BuildA	CultureSrf	F_CODE = 'AL015' A...	100094
21	BuildA	AgricultureSrf	F_CODE = 'AL015' A...	100052
22	BuildA	TransportationGroun...	F_CODE = 'AL015' A...	100190

f. Click Next
g. Click Finish to load the data.



h. When the loading is complete, click Yes to view the log file.

6. Examine the log file:
   a. The log file contains information about the actual load itself. It will report how many features in each feature class were loaded and if any errors were encountered during loading.
   b. Your log file should contain the following information:
      Data Loader Log
      Start time: Mon Jul 23 17:00:05 2012
      Cross-reference: C:\Documents and Settings\S1GADNAT\My Documents\AGDM Data Modeling\PhysicalImplementation\Translations\TGD\Translation_Content_Tactical_120710.mdb
      Source workspace: C:\Documents and Settings\S1GADNAT\My Documents\GPC\PACCOM\Guam_Local\[CL]Guam02.gdb
      Target workspace: C:\Documents and Settings\S1GADNAT\My Documents\GPC\PACCOM\Guam_Local\GGDM v21_Guam02_Local.gdb

      Loading source dataset [TrackL] to target dataset [TransportationGroundCrv] WHERE F_CODE = 'AP010'
      Loaded 153 of 153 rows

      Loading source dataset [TrailL] to target dataset [TransportationGroundCrv] WHERE F_CODE = 'AP050'
      Loaded 3 of 3 rows
      ….
   c. Close the log file.

Inspect your new GGDM 2.1 populated geodatabase feature classes to ensure the data load completed correctly.