

Comments
Asset Entity Set Logical Data Model – 1st Deliverable

Comment Resolutions & Discussion from January 16, 2002 FM Focus Group Meeting are denoted in italics.

A vtc meeting was held on November 20, 2001 between Bobby Bean (Patuxent River Naval Air Station), Penelope (Penny) Lumley (AMS), Chip Fleming (CADD/GIS Center), Denise Martin (CADD/GIS Center), & Bobby Carpenter (CADD/GIS Center) for the purpose of a review and discussion of the draft Assets Entity Set Logical Data Model. Comments and questions to be addressed are as follows:

1. Need definitions for all tables, attributes, & domain values. *Will be included in data model.*

2. Need to identify the best way to link the transactional FMSFIE tables to the SDSFIE features (Entity Types) and tables. Options discussed were:

a. Include a parent “Asset” table with “asset_id” primary key (PK) in the Asset model. The “asset_id” could be added as a foreign key (FK) to all SDSFIE tables, thereby providing a directly link between the appropriate SDSFIE tables and the appropriate transactional FMSFIE Asset record.

b. The Asset model has an “Object Type” table. The attribute “object type identifier” is included as a FK in each Asset table. A georeference link (called “datalink” attribute in SDSFIE) could be added to the “Object Type” table for linking directly to the CADD or GIS graphic feature. *Option b appears to be preferred method for linking transactional FMSFIE to SDSFIE. The “Object Type” table will serve as an XREF table between transactional FMSFIE Assets and SDSFIE feature identifiers (called datalink in SDSFIE). Feature Type Identifier = Object Type Identifier.*

c. Add the SDSFIE attribute “coord_id” as a FK in the “Object Type” table. This would provide a methodology for linking the FMSFIE “Object Type” directly to the SDSFIE “Positional Location” (cmgenrdr) table.

3. The physical data model would be organized by Class, Subclass, & Family (if required). How do we determine the FMSFIE Classes, Subclasses, & Families, and where each table in the data model resides? Would common tables such as “Object Type”, “Asset” (if included), “Organization”, & “Person”, be in the “Facility Class”, or another Class (e.g., “Common Class” or “Asset Class”)? *Appropriate table (e.g., Organization & Person) will be in the transactional FMSFIE Organization Entity Set. Object Cost & Funding tables will be in the transactional FMSFIE Financial Entity Set.*

4. Shouldn't the “Roof” table be linked to the “Facility” table, rather than the “Space” table? *All roofs are considered to also be a Space, which relates back to an Asset (Building).*

5. Do we need new separate tables for “Building”, “Structure”, & “Utility”, which would be child tables to the “Facility” table? **No**
6. Should a “Room Number” attribute be added to the “Space” table? **Yes**
7. Should a georeference link (or “datalink”) attribute be included in the “Space” table? **No.**
8. Combine the “Company” table with the “Organization” table. **Yes**
9. Need to include warranty information. **Yes. Appropriate table will be identified.**
10. Make sure OSD data elements are included in Asset data model (from CoordinationDraft.pdf). Need these included and an updated Assets logical data model emailed to Center (carpenb@wes.army.mil) by Wednesday, December 5, 2001. **Done. OSD data elements related to Assets have been incorporated. Some of the OSD data elements will reside in the transactional Work Entity Set (e.g., Maintenance Cost).**

11. The draft logical Asset data model included data from the AEC CADD Architectural, Electrical, Structural, & Interior Design tables (based upon AEC CADD Standards Release 1.8 & provided at the July 2001 working meeting at PAX). The AEC CADD **Plumbing, Mechanical (HVAC), Telecommunications, Fire Protection/Suppression, & Equipment – Security Systems** tables also need to be addressed. Need these included and an updated Assets logical data model emailed to Center (carpenb@wes.army.mil) by Monday, January 7, 2002. The Access database (Draft AEC Attributes & Domain Values (Access 2000 Database) July 2001) containing these tables is available for download at:

<http://tsc.wes.army.mil/products/tssds-tsfmts/fms/projects/assets/assets.htm>

Was not completed by the January 15-16, 2002 meeting. Scheduled to be completed by the April 16-17, 2002 meeting.

12. Include the legal reporting requirements (for Assets) based upon the Army IFS-M, Navy NFADB, Air Force IWIMS, GSA, & Coast Guard data elements in the logical Asset data model. This information is available for download at:

http://tsc.wes.army.mil/products/tssds-tsfmts/fms/projects/asset_fm_lrdr/asset_lrdr.htm

Not completed yet.

13. Next steps in FY02 and beyond would be to:
 - a. Expand the data model to include structures & utilities.
 - b. Develop physical data model for “Asset – Facility (including buildings, structures, & utilities).
 - c. Include Land, Equipment, Transportation, and Non-Tangible Assets.

Order of priority for Assets Entity Set development in FY02 will be:

- 1. Complete Facilities - Buildings Focus (including physical data model).**
- 2. Begin Facilities – Utilities Focus.**

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- 3. *Begin Facilities – Structures Focus (i.e., Airfields (taxiways, runways, & aprons) & roads).***
- 4. *Begin Transportation - Operational Focus.***