

## March 2004 FMSFIE Working Meeting Minutes

### Meeting Time/Date:

0800 - 1630/March 16, 2004  
0800 – 1100/March 17, 2004

### Meeting Location:

Building 505 Conference Room, Millstone Road, Patuxent River Naval Air Station, Maryland

### Attendees:

1. Bobby Bean, Patuxent River Naval Air Station (PAX), phone: 301-757-1700, e-mail: [robert.bean@navy.mil](mailto:robert.bean@navy.mil)
2. Penelope (Penny) Lumley, American Management Systems, Inc. (AMS), phone: 240-725-5102, e-mail: [Penelope.Lumley@ams.com](mailto:Penelope.Lumley@ams.com)
3. Barry Schimpf, Upper 90 Systems, Inc., phone: 301-373-8311, e-mail: [bschimpf@upper-90.com](mailto:bschimpf@upper-90.com)
4. Bobby Carpenter, CADD/GIS Technology Center, phone: 601-634-4572, e-mail: [Bobby.G.Carpenter@erdc.usace.army.mil](mailto:Bobby.G.Carpenter@erdc.usace.army.mil)

### Purpose of Meeting:

The purpose of the meeting was to review the beta FMSFIE Release 2.31 tables and table definitions, plan FY04 FMSFIE web and desktop software development activities, and address FMSFIE Discussion Items.

### Summary of Discussion:

#### A. FMSFIE Discussion Items –

##### 1. Change “Table Code” to “Information Model Code”:

This code will be used to facilitate organization of the FMSFIE tables. The code will not be used to name FMSFIE database tables. FMSFIE database table names will be based upon the “Table Physical Name”. The following changes (**denoted in red**) would be made in the FMSFIE Data Library, and FMSFIE Naming Convention & Structure Specification:

##### Information Model Code –

- (1) Maximum Length = **11 characters**
- (2) Criteria = Composed of following abbreviations concatenated together:
  - (a) Entity Set (first 2 characters) (e.g., AM = Asset Management).
  - (b) Entity Class (next 3 characters) (e.g., FAC = Facility).
  - (c) Entity Sub-Class (next 3 characters) (e.g., UTL = Utilities).
  - (d) Family (next 3 characters) (e.g., WAT = Water System).

##### 2. Breakdown of Sub-Classes and Families -

The following changes (denoted in red) would be made in the FMSFIE Data Library, and FMSFIE Naming Convention & Structure Specification. These changes will have no effect on the FMSFIE Table Physical Names, Table Common Names, and Table Logical Names.

**a. Sub-Class & Family Definitions:**

**Entity Sub-Class** – Sub-grouping of an Entity Class based on similar life-cycle event and temporal real property information. In no functional sub-grouping applies to the entity class, a Sub-Class of “Base” (“bas”) will be assigned.

**Family** – A functional sub-group of the SUB-CLASS corresponding to different business disciplines, or different perspectives in the way the data is structured below the Entity Sub-Class. If no functional sub-group applies to the Entity Sub-Class, a Family of "Generic" ("gen") will be assigned. All Reference Tables would be assigned to a Family of “Reference” (“ref”), unless a more appropriate Family sub-grouping has been designated.

**b. “Core” Entity Classes:**

"core" ("cor"), with a mandatory sub-class of "base" ("bas"), represents a special case of the CLASS structure indicating an entity whose implementation not only crosses multiple CLASSES, but, potentially, multiple ENTITY SETS. These entities are NOT separately modeled but may be referenced from any of the Facility Management Standard Entity Sets. Entities with a class name of "core" and a sub-class name of "base" fall into two "FAMILIES". These are "reference" ("ref"), which includes those entities containing discrete domain values referenced from multiple attributes, and "generic" ("gen") which contain entities with data common throughout the FMSFIE Standard model.

**3. Environmental Sampling:**

“Environmental Sampling” will be incorporated as an Entity Sub-Class within the FMSFIE “Environmental Compliance” Entity Class?

**4. FMSFIE Integration with SDSFIE:**

**a. FMSFIE SAID PK's versus SDSFIE User Defined PK's:**

(1) In the FMSFIE the Primary/Foreign Keys are designated as "SAID" (System Assigned ID. In the SDSFIE the Primary/Foreign Keys are designated as character type fields, for which the User assigned the unique identifier.

(2) The FMSFIE “SAID” fields are for internal FMSFIE use and linkage between FMSFIE relational database tables. The FMSFIE database tables contain user-defined identifiers, which will be used for joins to the SDSFIE compliant (and other IM) database tables.

**b. Joins between FMSFIE tables and SDSFIE tables:**

(1) Attribute “ASSET\_ID\_TX” in FMSFIE “ASSET” table would be used to join to Attribute “FACIL\_ID” in SDSFIE “cmgenfac” table.

(2) The FMSFIE Library (Microsoft Access) contains a FMSFIE/SDSFIE correlation table, which be used to build joins between SDSFIE and FMSFIE compliant tables, and document the relationship between the FMSFIE and SDSFIE.

**c. FMSFIE Reference Tables - Links to SDSFIE Domain Tables:**

See “FMSFIE Reference Table & SDSFIE Domain Table Comparison” table.

**B. FMSFIE Web & Desktop Based Software Tools –**

**1. FMSFIE Release 2.31:** Barry will make the following update to the Desktop Browser (programmed in Visual Basic). No other changes will be required for release 2.31, except the FMSFIE Release 2.31 will be used.

a. FMSFIE Library Field Names will be changed from “Table Code” to “Information Model Code”.

b. A “Content Summary” option will be provided which provides the total numbers of tables, attributes, and domain values.

**2. FMSFIE Release 2.40:** The following items will be provided/changed:

a. All table names in FMSFIE Library will be changed to Uppercase/Lowercase characters with words separated by underbars (Center will make appropriate changes in FMSFIE Library. Barry will make changes in software applications).  
Example – “Table\_Physical\_Name”

b. FMSFIE Library will be maintained in a Microsoft Access 2000 database (Center maintains library).

**c. Browser.** Both a web and desktop FMSFIE Browser will be provided. In future releases, only the web-based Browser may be provided.

(1) Web-based Browser will be built using Microsoft .NET technology.

(2) Desktop Browser will remain in Microsoft Visual Basic format.

**d. Database Table Generator.** Both a web and desktop FMSFIE Generator will be provided. In future releases, only the web-based Browser may be provided. Generator tools will support Microsoft Access 2000, Microsoft SQL Server 2000, and Oracle 8i.

**C. FMSFIE Table Definitions** – The Beta FMSFIE Release 2.31 Table definitions were reviewed and edited. The FMSFIE Release 2.31 currently contains 248 “adopted” tables.

**Action Items:**

3/19/2004

The following action items were identified:

- ***Penny Lumley:***
  - a. Penny will provide all PAX Reference Table values for incorporation into Release 2.31 (due March 22, 2004).
  
- ***Barry Schimpf:***
  - a. Update FMSFIE Release 2.31 Browser as previously discussed (due March 29, 2004).
  - b. Develop Beta FMSFIE Release 2.40 Browser & Generator tools for demonstration at August 2004 Symposium.
  
- ***Bobby Carpenter:***
  - a. Update FMSFIE Release 2.31 Library (update table definitions, incorporate attributes, update other FMSFIE Library tables) (due March 31, 2004).
  - b. Update Transactional FMSFIE Naming Convention & Structure Specification paper.