

February 28, 1997

MINUTES

TRI-SERVICE CADD/GIS TECHNOLOGY CENTER

Tri-Service Facility Management Standards Task Group Meeting

February 20 - 21 1997

**Quality Hotel & Conference Center
2261 N. Causeway
Metairie, Louisiana**

Draft for Review, February 28, 1997

Approved For Public Release; Distribution Is Unlimited

February 28, 1997

**Tri-Service CADD/GIS Technology Center
Waterways Experiment Station
Vicksburg, Mississippi**

**MEETING AGENDA
TRI-SERVICE
FACILITY MANAGEMENT STANDARDS (TSFMS) TASK GROUP MEETING**

February 20 - 21, 1997

at

Quality Hotel & Conference Center
2261 N. Causeway
Metairie, Louisiana

Thursday, February 20, 1997

0830 - 0900 **Introductions and meeting agenda** - Bobby Carpenter

0900 - 0945 **Tri-Service CADD/GIS Technology Center Overview & FY97
Projects** - Bobby Carpenter

0945 - 1000 **Break**

1000 - 1045 **FY97 TSFMS Project Scope & Schedule** - Bobby Carpenter

1045 - 1145 **TSFMS Ultimate Scope & Content** - Group Discussion

1145 - 1300 **Lunch**

1300 - 1430 **TSFMS Ultimate Scope & Content (Cont.)** - Group Discussion

1430 - 1500 **Break**

1500 - 1600 **Prioritize TSFMS Scope for Subsequent Years** - Group Discussion

February 28, 1997

0900 - 1030 **Integration of A/E/C CADD & TSFMS** - Bob Hanson (Michael Baker, Jr.)

1030 - 1045 **Break**

1045 - 1145 **Integration of A/E/C CADD & TSFMS** - Group Discussion

1145 - 1300 **Lunch**

1300 - 1500 **TSFMS Environmental Compliance Prewrite Conference** - Matt Sanfilippo, Bob Hanson, Bobby Carpenter, & Group

1500 **Adjourn**

February 28, 1997

Meeting Attendees

1. Name: Bobby Bean
Address: Navy Public Works Dept.
Naval Air Warfare Center
Bldg. 504
Patuxent River, MD 20670-5304
Phone: 301-342-3101 ext. 317
Fax: 301-342-3546
E-mail Address: bean_bobby%pax9a@mr.nawcad.navy.mil

2. Name: Jeff Bryant
Address: Code 1611J LANTDIV
Atlantic Division, NAVFACENGCOM
1510 Gilbert St.
Norfolk, VA 23511-2699
Phone: 804-322-4636
Fax: 804-322-4715
E-mail Address: bryantjl@efdlant.navfac.navy.mil

3. Name: Maureen Lyons
Address: Department of Veteran Affairs
(Room 464) Box 810
Office of Facility Management
810 Vermont Avenue, NW
Washington, DC 20420
Phone: 202-565-5791
Fax:
E-mail Address: lyomau@hq.med.va.gov

4. Name: Calvin Grams
Address: USAF, Peterson AFB

February 28, 1997

Address: Army Center of Public Works
CECPW-FP
7701 Telegraph Road
Alexandria, VA 22315-3862
Phone: 703-428-6086
Fax:
E-mail Address: fredrik.w.wiant@cpw01.usace.army.mil

6. Name: William (Bill) Gavazzi
Address: USAE Division, New England
CENED
424 Trapelo Road
Waltham, MA 02254-9149
Phone: 617-647-8029
Fax: 617-647-8080
E-mail Address: william.a.gavazzi@usace.army.mil
7. Name: Bobby Carpenter
Address: Tri-Service CADD/GIS Technology Center
USAE Waterways Experiment Station
CEWES-ID-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199
Phone: 601-634-4572
Fax: 601-634-4584
E-mail Address: carpenb@ex1.wes.army.mil
8. Name: Robert (Bob) Hanson
Address: Michael Baker Jr., Inc.
2925 Layfair Drive
Jackson, MS 39208-9507
Phone: 601-932-8895
Fax: 601-933-6206
E-mail: rhanson@bakereng.com
9. Name: Matthew (Matt) A. Sanfillippo
Address: Baker Environmental, Inc.

February 28, 1997

PROCEEDINGS

Thursday, February 20, 1997

Introductions, Meeting Agenda, and Overview of Tri-Service CADD/GIS Technology Center & FY97 Projects

Each person present introduced themselves and provided a brief overview of their job and the activities in which they are involved.

Copies of the meeting agenda; a printout of powerpoint slides providing an overview of the Tri-Service CADD/GIS Technology Center (Tri-Service Center) and Tri-Service Spatial Data Standards (TSSDS); and a list of the Tri-Service Center's FY97 projects were passed out and discussed.

FY97 Tri-Service Facility Management Standards (TSFMS) Project Scope and Schedule

Copies of the Tri-Service Facility Management Standards (TSFMS) FY97 scope and schedule were passed out and discussed. The scheduled activities and their scheduled completion dates are as follows:

1. Prepare Working TSFMS Development Plan
 - a. Organize Task Group TSFMS Oversight Task Group (TSFMS TG) (Milestone) - 11/4/96
 - b. Initial Meeting (Milestone) - 2/21/97
 - c. Prepare Development Plan Outline and General Scope - 3/14/97
 - d. Review of TSFMS Development Plan Outline and General Scope (TSFMS TG & FM FWG) - 4/25/97
 - e. Prepare Draft TSFMS Development Plan (Milestone) - 6/6/97
 - f. Review of Draft TSFMS Development Plan (TSFMS TG & FM FWG) & Meeting - 7/18/97
 - g. Prepare Final Draft TSFMS Development Plan (Milestone & Deliverable) - 8/29/97
 - h. Review of Final Draft TSFMS Development Plan (TSFMS TG, FM FWG, EWG, & FTAG) - 10/10/97
 - i. Prepare Final Working TSFMS Development Plan (White Paper) (FY98 - \$2,500) (FY98 Milestone & Deliverable) - 11/21/97
2. Develop Technical Content for TSFMS, Release 1.0

February 28, 1997

f. Review & Evaluate A/E/C CADD Attribute Tables (Architectural & Mechanical) (Milestone) - 8/18/97

g. Begin Investigation of Other FM Areas (e.g., Inspection Data, Maintenance Schedules, Utilities Management Data, As-built Data, Contract/Work Order Management) (Milestone) - 9/29/97

3. Identify CAFM Initiatives, Commercial Software, and DoD computer programs Used by Tri-Services

a. Develop Questionnaire (Milestone) - 3/14/97

b. Review of Questionnaire (TSFMS TG & FM FWG) - 3/28/97

c. Finalize, E-mail, and mail-out Questionnaire - 4/8/97

d. Receive Input from Questionnaires and Input Findings into Database. - 7/1/97

e. Analyze Findings, Summarize Findings in Report, Submit Draft Report for Review (Deliverable & Milestone) - 8/12/97

f. Review of Draft Report (TSFMS TG & FM FWG) - 8/26/97

g. Develop Final Draft Report and Submit to WES VPC (Milestone) - 9/24/97

h. Editing of Final Draft Report at WES Editing Office (VPC) - 11/21/97

i. Review of Edited Final Report (Tri-Service Center, FM FWG, TSFMS TG, EWG, ESG, & FTAG) - 12/11/97

j. Publish and Distribute Final Edited Report (FY98 Milestone & Deliverable)) - 1/22/98

4. Develop Release 1.0 of TSFMS

a. Develop schema and concept for integration of TSFMS with TSSDS & A/E/C CADD - 7/7/97

b. Develop TSFMS Release 1.2 & Integrate with TSSDS Application (Milestone) - 9/29/97

c. Complete Beta Testing of TSFMS/TSSDS Application (FY98 Milestone) - 11/10/97

d. Publish TSFMS, Release 1.2 (FY98 Milestone & Deliverable) - 12/1/97

e. Distribute TSFMS/TSSDS - 1/12/98

TSFMS Ultimate Scope & Content

The ultimate scope and content of the TSFMS was discussed. It was determined that the TSFMS should address the following areas (in the following general order of importance):

Start on in FY 1997 and Complete in FY 1998:

- a. Space Utilization/Management
 - Size
 - Type
 - Use

February 28, 1997

b. Utilities Management

Maintenance and Repair Records

Location

Access

Owner

Capacity

Material

Date Constructed/acquired

Expected life

Warranty

Manufacture Model Number

CADD Detail

Cathodic Protection

Location/Warning Strips

Sleeves/Ducts

Consumers

Acquisition cost

Acquisition Source

Valve Direction

Network analysis data requirements (e.g., flow direction, etc.)

c. Real Estate/Real Property Management (DoD classifications = land, facilities, equipment, & industrial)

Leases

Outgrants

Expiration dates

Owners

Lease Costs

Jurisdiction

Maintenance agreements

Historical

Seismic Activity

Liability

Accessibility

Fenced

Security

Encroachment

Abutters/neighbors

Type

Legal Description

February 28, 1997

- CADD Drawings
- Custodial
- Owner
- Exterior finishes
- Groups
- Accessibility
- Warranties
- Component life cycle
- Maintenance cycle

Start on in FY 1998 and Complete in FY 1999:

e. Improvements

- Pavements
- Sidewalks
- Curbs
- Bollards
- Traffic Control
- Emergency Access Points
- Monuments/Memorials
- Bridges
- Plazas
- Parkways
- Recreation Areas
- Nature Trails
- Bicycle Trails
- Fishing Docks
- Erosion Control
- Culverts
- Storm Drainage
- Ditches
- Retaining Walls
- Parking Lot (Spaces)
- Barriers
- Fences
- Training Aides

f. Pollution Prevention and Abatement (Majority might be covered under D.O. No. 13 in FY97)

Lead Paint/Asbestos Abatement

February 28, 1997

- g. Asset Management
Equipment, etc.

Projects that were not designated in either year

- h. Grounds
- i. Environmental Restoration and Compliance
- j. Telecommunications
 - cable management
 - type
 - installation date
 - ducts
 - radio waves
 - terminal equipment
 - hubs
 - routers
 - display outages
 - location
 - towers
 - antennas
 - electromagnetic arch
 - cable TV
 - alarms
 - public address
 - warning/sirens
 - intrusion detection
 - closed circuit TV
- k. Health/Safety
- l. Security/Fire Prevention
- m. Disaster Preparedness
- n. Military Preparedness

February 28, 1997

Facility ID's

Some of the key points in the discussion concerning the use of Facility ID's are as follows:

- a. Need to standardize and research Category (CAT) Code, Area Use Codes, and Land Use Codes.
- b. Facility ID's are normally applied to manmade improvements.
- c. DoD Instructions 4165.3, Department of Defense Facility Classes and Construction, and 4165.14, Inventory of Military Real Property, should be used to the maximum extent possible. These instructions interpret and implement TITLE 10 USC 2701, a statute requiring DoD to maintain an inventory of military real property.
- d. The Navy Facilities System is organized to provide an integrated database for all aspects of NAVFAC responsibilities in the facilities business - planning, programming, budgeting, acquiring, inventorying, maintaining, operating and disposing of real property. NAVFAC P-424, Navy Facilities System, describes those applications comprising the NFS. The contents of this publication are recorded in the Category Code Directory File maintained in the NAVFAC Facilities Systems Office (FACSO) Port Hueneme, California.
- e. The Veterans Administration uses a 3 digit numbering system.

TSFMS Development Plan & Future Task Group Meetings

The next Tri-Service Facility Management Standards Task Group meeting is currently scheduled for June 3 and/or June 4, 1997 at NAS Patuxent River, Maryland.

If additional task group members are added to the group, they might be associated with the following organization, or have knowledge of the following subject:

- a. AF WIMS Initiative
- b. Installation level management participant
- c. CERL
- d. Utilities management

Integration of A/E/C CADD Standards & TSFMS

Bob Hanson presented the work Michael Baker Jr. is doing for the Tri-Service Center in the area of developing attribute tables for the Architectural and Mechanical HVAC A/E/C CADD Standards features. Part of this process involved evaluation and conformance to the Industry Alliance for Interoperability (IAI) design and graphics standards. These attribute will also be integrated into the TSFMS, and form a part of the Buildings Management area of the TSFMS.

February 28, 1997

- a. Arcabus - Space Management Software
 - b. FIS
2. Army 1383 Report (in dBase format) - Protect Commanders from Environmental Liability.
 3. Suggestions for Future Improvements/Inclusions in TSSDS/TSFMS application:
 - a. Add search and replace function for replacing old symbols with new symbols. This should be a database function rather than a CADD software function.
 - b. Add filtering capability to TSSDS.
 - c. Put Entity Sets in alphabetical order, rather than numerical order, on Graphical User Interface (GUI).
 - d. Show a form number on screen (bottom right corner).
 - e. The current application does not back up one screen. Add a previous screen function.
 - f. Provide a model of screen views.
 - g. Add capability to E-mail individual forms.
 - h. Show common (i.e., long) name for Attribute Tables and attributes, instead of cryptic (i.e., DOS compatible 8.3 names) abbreviations. These names can evolve into the Windows 95/NT compatible long names when the majority of the TSSDS customers migrate to those systems.
 - i. Provide an Alias Names search capability.
 - j. Provide a method for attaching an installation specific database.
 - k. Add "Common Tables" button, but change name to "General Tables".
 4. Other.
 - a. Add "dumb waiter" to Transport - Architectural category in A/E/C CADD Standards.