

MINUTES AND RESULTS

FOR

CONFIGURATION MANAGEMENT DATA BASE (CMDB) V3.0

DESIGN REVIEW MEETING

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1. OVERVIEW

The Configuration Management (CM) Team at Air Force Research Laboratory (AFRL) Rome Research Site conducted a Configuration Management Data Base (CMDB) version 3.0 Design Review meeting on 13 September 2001 AFRL in Rome NY. The Design Review's focus was to identify design issues, review paper prototypes screens, data flow and CM processes and highlight proposed changes for CMDB version 3.0. Design Review meeting attendees, who are identified in Section 6 provided suggestions and clarification to the proposed changes for v3.0 of the CMDB.

1.1 PURPOSE

This document provides a summary of the discussions and results of the CMDB Design Review Meeting.

2. DISCUSSION

The primary focus of the meeting was to solicit feedback from the Program Management Offices (PMOs) on the next version of the CMDB and to review and discuss screen sample prototypes on the changes.

The meeting opened with a brief review of the objectives for CMDB version 3.0. These included providing Intelligence Mission Application (IMA) Profile/Program information at users' finger tips, identifying design issues for data control and changes from previous versions, reviewing paper prototype screens to ensure the correct information was identified for collection, and discussing data organization and flow.

Program changes were discussed on data control, content information, restricting and unrestricting initial Configuration Items (CIs) when the records first come into the CMDB, and the restructuring of tables within the database that defines the current screens and forms.

In addition, there was information provided on Site, Points of Contact (POC), Software Release, DB User, Distribution/Allocation, and Table Relationships for the new implementation of v3.0.

Other changes were also made a part of the 3.0 release, which included querying for null values, and email notification functionality. A projected development schedule was provided for the release of v3.0 milestones.

2.1 PROGRAM DETAILS

The IMA Profile/Program information will be used as the focal point for populating the CMDB for Site, POC, Software Release, DB User, and Distribution along with current data already being tracked in the CMDB. PMO information and other data tracked in CM using other tools will also feed the Program files. The data within the database will be relational and will contain links that will provide quick retrieval of pertinent information related to the programs.

It was suggested that the term "IMA" not be used because the database is being used by non-Intelligence Programs. "Mission Application" was suggested as the name to be used on the screens and forms. PMO representatives attending the Design Review was in agreement with the proposed approach of having a Lead Program with one or many associated Sub Programs. The quantity of Sub Programs associated with a Lead Program is currently limitless. Additional information was identified for addition to the Program form:

- Help Desk Phone Number
- General AFRL Information Phone Number

It was suggested that the free text boxes be larger and wider to accommodate the width of the screen. The Test Date information captured in the Program Profile will contain only the last successful test date information. The Developer field should have the capability to capture multiple developer names.

2.2 SITE DETAILS

The site specific hardware, operating system, Government Off The Shelf (GOTS) and Commercial Off The Shelf (COTS) that will be captured in the CMDB is actually the starting point of a site survey. It is not as detailed as a site survey would be and is not meant to replace it. Coordination continues with the various System Integration Management Offices (SIMO) regarding their site configuration tool used for tracking more detailed specific site information.

Additional information identified for addition to the Site form:

- Type of Agency, Service or Affiliation (i.e., Army, Navy, etc.)
- Field to contain classification of program site
- Change "Help Desk" field name to "Site Help Desk"
- Change "Genser" to "Genser Address"
- Hardware and OS Information should be capable of tracking more than one system in the text area
- Site types were defined as follows: Executive, PMO, Engineering Drop, Contractor, Developer, Test Bed, Future, Operational, Deployable, GDIP, TIARA.
- It was recommended by a CM staff member that GDIP and TIARA be separated from Site Types and be reflected as Site Fund Type.
- Multiple choices should be available for Site types per Program. Sites are defined by one or more Programs and each Program may consider the Site to be a different Site Type. **AI # CMDB-Tucker-01-003I - Provide a general list of options for site types to PMOs for review.**

2.3 POC DETAILS

It was stated that "not every POC is a CMDB user but every CMDB user is a POC". The CMDB will contain POC information related to Programs, but the POC is not required to also register as a CMDB user. The Programs need to determine the type of POCs they would like to track and coordinate it with CM. The minimum data required to create a POC record is full name, phone number and at least one associated Program.

It was suggested for the future, that there be linkage between the CMDB and the Full Service directory. **AI# - CMDB-Tucker-01-004I Evaluate for future consideration.**

It was pointed out by a PMO representatives that follow up on site information can be time consuming. CM acknowledged that the data has to go through periodic reviews. . **AI# CMDB-Tucker-01-005I POC Type needs to be defined.** Provide a starting list of types to the PMOs for review and evaluation (Operational, Executive, Civilian, Military, Site Rep, etc.

Notes can be associated with POC records and can be restricted or unrestricted.

2.4 DB USER DETAILS

DB User information feeds off of POC information. Users will choose their notification preferences for New Action Items (AIs), Document Review Reports (DRRs), Problem Report/Change Request/Multiple Application Problem/Requirements (PCMRs), Test Findings, Workplans, and Multiple Application Problem (MAPs). There was discussion on Notification functionality, which remains consistent with v2.2. Users will subscribe to specific items via the "hotlist" functionality to receive CMDB or email notifications from the database. This is also where users will select their notification method (i.e., email or CMDB). Email is a new capability added to CMDB v3.0 to notify users of new items for the programs they have access to and have selected in their preferences.

2.5 SOFTWARE RELEASE DETAILS

Software Release was discussed in great detail. Most fields in this form will be filled in from the data in the IMA profile. Design Review participants made several suggestions and clarifications:

- On the Software Release form in the Version Testing section, move the "Location" information under the "Beta II" section and indent
- Allow multiple entries for Beta II locations
- The "Number of Users" and "Services" field are a manually updated field
- The "Distributed By" field may contain more than one distribution organization
- All PCMRs fixed, as a result of the software release will be included as a link to the software release record

- An import and export functionality needs to be considered for distribution items, program by program.

3. **QUESTIONS AND ANSWERS**

A projected development schedule was provided for the release of v3.0 milestones (please see appendix). The CMDB developers also identified that CMDB v3.0 will use Oracle 9IAS for the web server only. It was also anticipated that SIPRNET access capability would be on-line 1 January 2002.

4. **RESULTS**

Table 4-1 identifies an initial listing of PR/CRs (as of September 10, 2001) open against the CMDB, which are planned for correction in the upcoming version 3.0.

Functional Area	PR/CR Number	PR/CR Description
Oracle Database	01-091I	Import data from specific applications (starting with PCMRs from Excel)
Notification	01-085I	Allow user to pick the notification preference: email or system
Library	01-186I	Make LIB_DOC.doc_no have unique values
Oracle Database	01-018I	Query for blank (null) values
Oracle Database	01-008I	User defined sort order for normal queries
Tracking/Test Finding	01-059I	Create a PCMR or DRR from an existing Test Finding
Tracking/ PCMR	01-051I	Assigned S/W engineer on PCMR form
POC/Place	CM-CMDB-00-030	Ability to Hide Programs from user Access Request Form (i.e. reorganize User Profile so that Users request access to only valid Program information)
POC/Place	JITF-CM-99-110	Create a POC data base as part of the CMDB

POC/Place	CM-CMDB-00-017	Eliminate display of disabled CMDB user accounts
Roles	CM-CMDB-00-184	Denied applications in new user forms are not deleted
Roles/POC/Profiles	CM-CMDB-00-193	Redo profile and place information so that it is more user friendly
Profiles	CMDB-00-321	CMDB/Training and MISC Items need modification
Releases	CM-CMDB-01-015	Have "releases" results displayed by Application/version
POC/Programs	CM-CMDB-99-128	POC Listing in Place under People and Places should state the program they are affiliated with
POCs	CM-CMDB-01-012	POC Section of Places is not updated with Profile accounts are disabled
Programs	DODIIS Infrastructure-CMDB-00-277	Verification of Values
User Profiles	CM-CMDB-00-176	Redesign New User Form in the assignments/requests section to allow multiple changes without assigning or deleting for each individual application
User Profiles	CM-CMDB-01-013	Unable to delete user application roles
Programs	BROADSWORD-CMDB-99-223	Version displayed for application
User Profiles	CM-CMDB-01-035	Need ability to convert Dummy Profile accounts into valid ones
User Profiles	CM-CMDB-01-034	Wrong Message Displayed for Dummy Profile Accounts
User Profiles	CM-CMDB-01-037	A program error message is displayed when you assign a role in Add New User

POCs	CM-CMDB-01-022	Provide the option of not displaying a user name in the originator or assignee pulldowns
User Profiles	CM-CMDB-01-020	Profiles waiting to be created in the Maintenance "ADD New User" section are in the pull downs for PCMRs, AIs, DRRs
Releases	CM-CMDB-01-015	Have "Releases" results displayed by application/version instead of by release key number

Table 4-1 Listing of PR/CRs Planned for Correction in CMDB v3.0

Five Action Items were generated during the Requirements Review Meeting.

Action Item Number	Originator	Action	Assignee
CMDB-Tucker-01-005I	CM	PMs will provide valid POC types by October 15.	PM
CMDB-Tucker-01-006I	CM	Define mandatory fields to accommodate all programs by November 15.	PM
CMDB-Tucker-01-007I	CM	Discuss with ISSE Guard program (Matt Kochan) on building fields to use with ISSE Guard by October 15.	CM
CMDB-Tucker-01-003I	CM	PMs will determine valid Site Types by October 15	PM
CMDB-Tucker-01-004I	CM	Evaluate use of FSD for coordinating POC data by Feb 1 2002.	CM

Table 4-2 Design Review Meeting Action Items

5. SUMMARY

The AFRL CM staff was extremely encouraged by the level of participation and knowledge demonstrated by the User Group participants. All goals and objectives outlined for the meeting were met and clear direction was provided for future activities. As stated above, the CM homepage will be used extensively to solicit additional input from various users for future versions of the CMDB. Users are asked to take advantage of the PCMR form to submit changes and problems to continue to improve the CMDB.

6. ATTENDEES

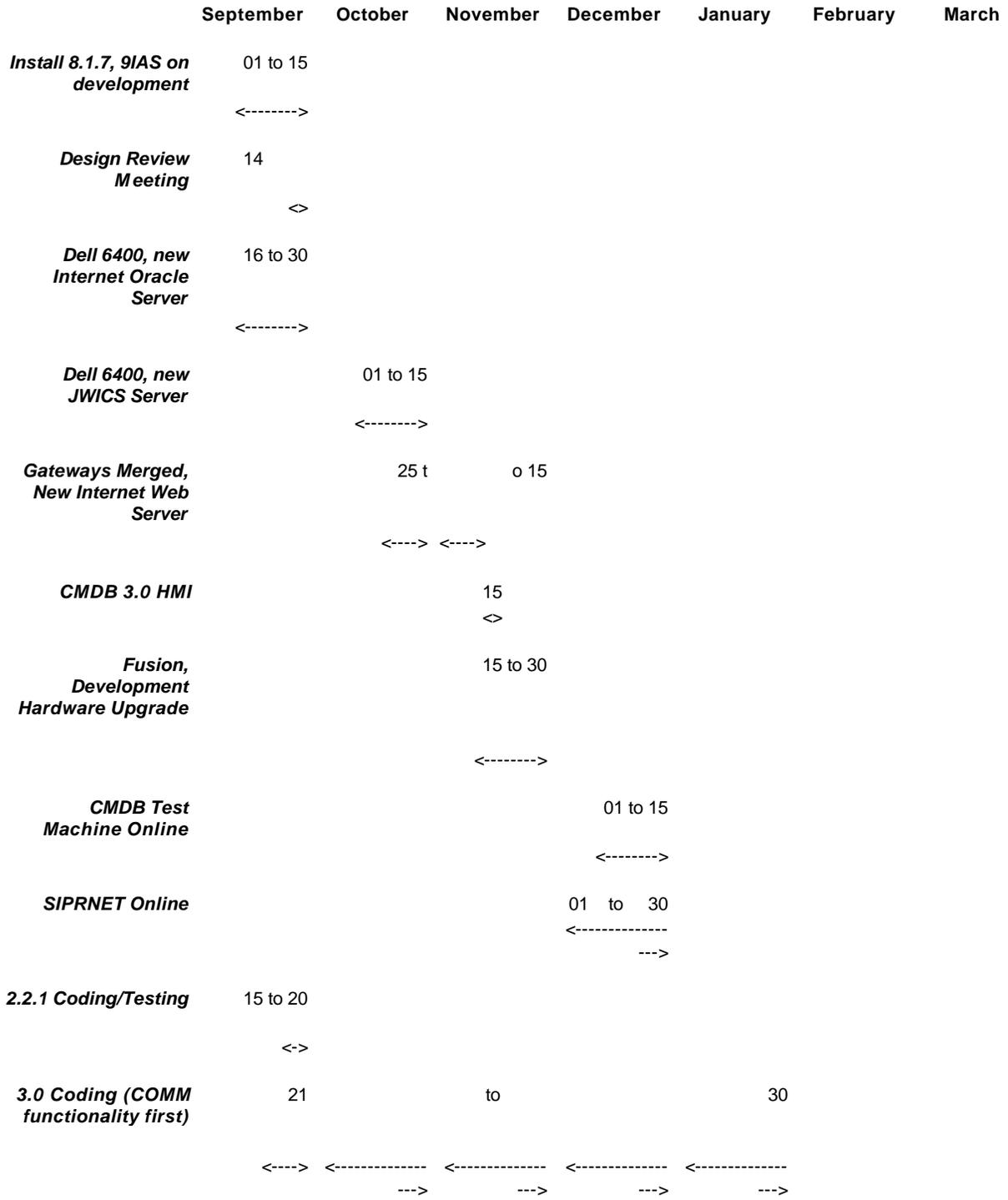
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7. ACRONYMS

ACRONYM	DEFINITION
AFRL	Air Force Research Laboratory
CIs	Configuration Items
CM	Configuration Management
CMDB	Configuration Management Data Base
COTS	Commercial Off The Shelf
CR	Change Request
DB	Data Base
DRR	Document Review Report
GOTS	Government Off The Shelf
IMA	Intelligence Mission Application
JITF	Joint Integration Test Facility
MAP	Multiple Application Problem
PCMR	Problem Report/Change Request/Multiple Application Problem/Requirement
PM	Program Manager
PMO	Program Management Office
POC	Points of Contact
PR	Problem Report
SIMO	System Integration Management Offices

8. APPENDIX A

Listed below is the development schedule for CMDB v3.0.



*Testing 3.0,
Regression Fixes*

01 to
28

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*Release Of 3.0 On
Internet*

1

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*Release Of 3.0 On
JWICS*

3

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*Release Of 3.0 On
SIPRNET*

5

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