

# **MINUTES AND RESULTS**

**FOR**

## **CONFIGURATION MANAGEMENT DATA BASE (CMDB) V3.0**

### **Human Machine Interface**

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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) 3.0 Human Machine Interface (HMI) meeting on 11 December 2001 AFRL in Rome NY. The HMI provided a forum for to identify design issues, review prototype screens, data flow and CM processes, and demonstrate the implementation of changes planned for CMDB 3.0. HMI meeting attendees, identified in Section 8 provided suggestions and clarification on the proposed implementation for CMDB 3.0.

## 2. PURPOSE

This document provides a summary of the issues and results of the CMDB 3.0 HMI Meeting.

## 3. DISCUSSION

The meeting opened with a brief review of the objectives for CMDB 3.0. CMDB 3.0 provides enhanced information on the Programs supported by the CM Team, including detailed Software Release, Points of Contact (POC), Distribution (software), and Site data. CMDB 3.0 will provide users with streamlined access to critical data. A majority of the web pages required to support the collection and display of this data were reviewed with the CMDB development team identifying areas that required additional information from the HMI participants. Specific issues and results are detailed below.

- The PROGRAM.external\_interface field will be broken-up into three separate fields. This requires the creation of a details table with “Program” as its parent because there can be more than one interfacing system per supported Program. The CMDB development team will size the fields based on anticipated data and screen limitations.
- The test dates for Program and Software Release will be reworked based on input from HMI participants. The data will be displayed in the Program and Software Release Graphical User Interface (GUI) via a URL within those primary pages. Clarification on field definitions was provided based on the Mission Application (MA) Profile created in support of the Department of Defense Intelligence Information System (DoDIIS) Certification Process.
- Asterisks will be displayed only on CMDB GUIs for referencing that a field is mandatory.
- URLs on field labels that lead to JavaScript help will be a different color than URLs that involve navigation.
- On the Program GUI, POC data will be sorted by POC type and then alphabetically by last name, first name. There will be multiple inter-page URLs in the COMM area GUIs that will allow a user to quickly navigate different sections of a page, including URLs that take one to the top of the page.
- A black check will be used on the MA Profile page, instead of a blue one.

- In the Program GUI and on the MA Profile, Documentation information will be displayed in table format.
- Software Release Legacy information will be entered into a Note for Software Release.
- In the Software Release GUI, a field label will be changed from 'Location' to 'BETA II Location'; 'Build Number' will be changed to Software Release Build Number'.
- Blanks are an acceptable choice for test statuses.
- There will be an 'Other Testing' field in SWR.
- On the Program, Software Release and MA Profiles GUIs, 'Dependencies' or 'COTS or GOTS' will be changed to 'Dependencies COTS or GOTS'.
- Software Release Contents information will displayed in table format; the contents will be sorted by type (document, software or patch) field and then alphabetically by title.
- In the Associated PCMR area of Software Release, the type ('P', 'C', 'R', 'M') of a PCMR will be displayed.
- DBUSER.login\_id data will only be displayed for a 'CM' program role.
- CMDB notifications will be amplified to allow individual Yes/No choices per application, per configurable item - including 'YES To All' and 'NO To All' choices. The grid GUI page, where the user makes notification choices, will not be on the main DBUSER GUI page.
- CMDB users internal to AFRL will be able to access a test machine to view the changes determined during the HMI in the near future.
- Background colors in the Communication (COMM) area GUIs will be cream colored and asterisks (signifying mandatory fields) will be red. Feedback from CMDB users will determine if this approach will be populated to the remaining CMDB pages in a future version.
- On the Program GUI, the Site Usage section will implement a field called "Installed Version" instead of "Installed Date".
- Every POC will have a POC type.
- The label for the "Version" field on the MA Profile will be changed to 'Next Version' and the data that fills this field is obtained from the next anticipated software release for the Program as identified in Software Release. The MA Profile fields 'No. of fixes PRs' And 'No. of changes CRs' are the PCMRs projected for implementation in the next release.
- A Factory Acceptance Testing (FAT), testing status field will be added to test data information in Software Release.
- A field called "Site Type" will be added in the Site Usage section of the Software Release GUI. Affiliation will NOT be in the Site Usage section, and affiliation in the Site GUI will not be a pull down menu object.

- Patch information (patch name and patch install date) will be included in the Site Software section in the Site GUI
- A field called ‘Country’ will be added for shipping and mailing addresses, with a default value of United States of America (USA). This will be a mandatory field. The fields city, state, and zip code will not be mandatory if any country other than USA is entered. Foreign Place (FP) will be added to the state listings
- The CMDB developers also identified that CMDB v3.0 will use Oracle 9 Internet Application Server (IAS) for the web server only. Other item of interest that was discussed included notification that Secret Internet Protocol Router Network (SIPRNET) access capability was slipped till some time after first quarter of 2002.

**4. 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. 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.

**5. ACRONYMS**

ACRONYM	DEFINITION
AFRL	Air Force Research Laboratory
CM	Configuration Management
CMDB	Configuration Management Data Base
COMM	Communication Area
COTS	Commercial Off The Shelf Software
CR	Change Request
DB	Data Base
DoDIIS	Department of Defense Intelligence Information System
FAT	Factory Acceptance Testing
FP	Foreign Place
GOTS	Government Off The Shelf Software
GUI	Graphical User Interface
HMI	Human Machine Interface
IAS	Internet Application Server
PCMR	Problem Report/Change Request/Multiple Application Problem/Requirement
PMO	Program Management Office
POC	Point Of Contact
MA	Mission Application
SIPRNET	Secret Internet Protocol Router Network
URL	Uniform Resource Locator

