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# NAVAL AVIATION SYSTEMS TEAM



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## DATAGRAM

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**Configuration/Data Management Division, AIR-1.3.3 Configuration Management POC:**

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### CONFIGURATION MANAGEMENT (CM) NEWS

**CONFIGURATION MANAGEMENT:** From a historical perspective, CM practices were first formalized in the defense and space communities, bringing related industry best practices under a common framework. Most of these best practices have been implemented with varying emphasis by contractors doing business with government agencies and commercial industries. These practices have become entrenched as standard approaches in various industry segments for a variety of reasons. Software developers practiced CM to identify and control versions of their product. The automotive industry practices CM to support the spare parts market, to track warranties, and to be able to effect recalls, when necessary. The nuclear power and armament production industries use CM to maintain both products and facilities. Each industry segment emphasizes particular

aspects of this multi-faceted process and has evolved its own terminology and methodology for the selected CM practices they employ.

### DECENTRALIZATION OF THE COMMAND CHANGE CONTROL BOARD (CCB) PROCESS

Status Update: Many Configuration Management Plans (CMPs) submitted to AIR-1.3.3 for approval have required additional coordination between the key functional activities and personnel responsible for reviewing, monitoring, evaluating and executing Class I Engineering Change Proposals (ECPs). As a result, AIR-1.3 just released some additional CMP preparation requirements to augment the guidance in NAVAIRINST 4130.1C. AIR-1.3 memorandum Ser. AIR-1.3.3/96-110 dtd 15 March 1996 applies. If you have not received the new guidance and would like a copy, please contact Ms. Wilma Conyers in Rm. 940, JP-1. The

importance of a well coordinated and comprehensive CMP cannot be overstated.

### **CHANGE CONTROL BOARD FORMS**

All CCB (NAVAIR 4130/Series) forms are being updated to better accommodate the decentralization of the NAVAIR CCB. The new forms will be specifically designed to accommodate all change actions and to provide AIR-1.3.3 with the necessary metrics for adequately managing the Command's overall change control process. The new CCB forms are not to be revised or altered unless authorized by AIR-1.3.3. The new CCB forms should be available within 30 days.

### **STANDARDS UPDATE:**

#### **MIL-STD-973 Configuration Management:**

This standard still remains a valid military standard but requires an approved waiver prior to being invoked in new procurement contracts. The standard should still be used by Program Managers (PMs) and other users as their primary CM acquisition guide for establishing CM program requirements in Contract Statements of Work (SOW).

(Note: PEO(A) policy states that (1) In solicitations for new development/ procurement, the use of military specifications, and standards is prohibited without PEO(A) formal waiver approval. This includes MILSPECS/STDS that have previous department-wide waiver approval. These documents may not be cited "**for guidance or information**" either.)

**EIA-IS-649 National Consensus Standard for Configuration Management:** This industry standard is still in the American National Standards Institute (ANSI) adoption process .

BACKGROUND: This standard presents CM from the viewpoint that CM practices are employed because they make good business sense rather than because requirements are imposed by an external customer. It discusses CM principles and practices from an enterprise view; it does not prescribe which CM activities should be performed by individual

organizations or teams within the enterprise. Each enterprise must assign responsibilities in accordance with its own CM management policy.

The standard explains the major CM functions rather than mandates them. The explanation includes purpose, benefits, and best practices. Within each topic, the basic principles of CM are addressed and selectively applied to a broad range of customers, products and industries.

The standard is not intended for use as a compliance document or an evaluation mechanism for CM programs; rather is intended for use as a source document for either purpose. The application of the principles in the standard to a product, for a project, or for an enterprise, will enable the user to plan and document an appropriate CM program.

#### **MIL-STD-2549 (Draft) Configuration Management Data Interface Standard:**

This new CM interface standard was developed by the OSD Configuration Management Advisory Group (CMAG) in order to establish common business rules view (conceptual schema) for the DOD Standard Automated Information System used for the Configuration Management of defense materiel items. It also includes data element definitions and relationships so that contractors may interface directly or through an appropriate Contractor Integrated Technical Information Service (CITIS). The standard just recently completed the coordination cycle and has been conditionally approved for further development by the Defense Standards Improvement Council (DSIC).

#### **MIL-HDBK-61 (draft) Configuration Management:**

This new military handbook is being developed by the OSD CMAG to assist government PMs and other users or customers in establishing and implementing adequate CM program requirements. The CMAG hopes to have this document finalized and approved for publication/release by the end of this calendar year.

**GUIDANCE FOR INCORPORATING CM REQUIREMENTS IN SOLICITATION DOCUMENTS/ CONTRACTS:**

The purpose of this article is to provide guidance to the TEAM for incorporating uniform CM program requirements in solicitation documents and contracts as a result of SECDEF Policy on the use of Military Specifications and Standards.

The government has a right to expect contractors to be highly qualified and capable of managing and integrating a variety of CM process functions to assure prompt delivery of products (both hardware & software) that meet specified performance requirements.

The capability of contractors can generally be demonstrated early in the solicitation phase by requiring them to submit CMPs with their proposals. Close evaluation of contractor CMPs will provide some quantitative measurement of their overall CM process capabilities. However, it is still incumbent on the PMs to assure that their RFPs contain clear and concise CM performance requirements.

There are generally three areas or sections of an RFP (or contract) used for addressing government CM program requirements. They are: (1) Section-C, Statement of Work (SOW), (2) Section-H, Special Contract Clause, and (3) Contract Exhibits (Contract Data Requirements List (CDRL) DD Form 1423). By using MIL-STD-973 as a primary CM acquisition guide, most CM requirements (i.e. configuration planning, configuration identification, configuration audits, configuration control, and configuration status accounting) can be selected from sections (4) and (5) and tailored to suit the size, scope or complexity of the procurement item(s) involved (to the extent specified in Section C SOW). The CM life-cycle requirements tables found in Section (6) are extremely helpful when establishing CM program requirements.

The CM data item descriptions (DIDs) identified in paragraph 6.3, may continue to be used by citing them in a CDRL, DD Form 1423. However, Block (5) of each CDRL, DD

Form 1423 should reference the applicable SOW paragraph number as the requirements source vice MIL-STD-973. Additionally, the following statement should be added in Block 16: ANY MILITARY SPECIFICATION OR STANDARD WHICH MAY BE **REFERENCED BY THIS DID SHALL BE CONSIDERED FOR INFORMATION ONLY**

**NEW CLAUSE FOR CM**

AIR-1.3.3 (in conjunction with AIR-2.1) has developed a new Section-H Special Contract Configuration Control Clause for use in NAVAIR contracts. Please contact AIR-1.3.3 for additional guidance when preparing Procurement Initiation Documents (PID).

**MULTI-USER ECP AUTOMATED REVIEW SYSTEM (MEARS)**

The MEARS was developed by the U.S. Army Missile Command (MICOM) and selected by the Joint Logistics Support Center (JLSC) be part of the new DoD (Mandatory) Configuration Management Information System (CMIS) currently under development. The new CALS compliant system is designed to eliminate the massive and costly duplication of paper inherent to the current ECP review/approval process.

MEARS is currently used by several Army acquisition programs including the PATRIOT missile program made famous during the Gulf War. The system allows for complete electronic review of ECPs and the acceptance and storage of reviewer's comments and recommendations. It also allows for the automatic population of an ECP relational database that is comprised of a subset of the information contained in the standard ECP DD Form 1692-2. Through the use of MEARS, this database may be queried to access ECP information and generate ECP related reports.

The data flow of MEARS is actually identical to that of the typical paper ECP review cycle with the exception of the form of the data. Instead of paper, the ECP package will be distributed, reviewed, commented on (including

engineering drawings) and approved/disapproved by PMs in electronic format. Because MEARS is CALS compliant, it is very easily integrated with other related standard systems including JEDMICS, CLIP, and JCALS.

EARS PROTOTYPE INITIATIVE: Capt Larrie Cable (PMA-299) has agreed to allow the SH-60 LAMPS program serve as the NAVAIR prototype program for integrating MEARS. MICOM has already provided his IPT personnel with the necessary training (at no cost to the Navy). This TEAM effort could not have happened without the support of CAPT Cable and his IPT, AIR-3.1.8, AIR-3.6.1, PMA-250 and Mantec Inc. The Configuration & Data Management Office would like extend its thanks for a job well done.

#### CM TRAINING OPPORTUNITY !!

#### **Naval Aviation Configuration Management Expertise Development (NACMED)**

AIR-1.3.3 and AIR-3.1.8 are sponsoring the four day NACMED course for government employees of the Naval Air Systems Command. This course is designed to provide a working understanding of the aircraft modification planning, budgeting, staffing, approval and implementation processes and procedures employed by NAVAIR. The OSIP, ECP, and CCB processes are covered in detail. Personnel should attend this course if they are going to be associated in any manner with the processing of ECPs to a Change Control Board (whether it's the NAVAIR Central Board or one of the decentralized boards certified by AIR-1.0 and operated by a designated PMA). To attend, please submit a memorandum to AIR-3.1.8 (or, E-mail to (MONTILLAMG.JFK@NAVAIR.MIL)). Note your supervisor's concurrence in the memo. Concurrently, call Michelle Harris (703) 413-3100 to register for a specific course date. Upcoming course dates are: **13-16 May, 10-13 June, 15-18 July and 12-15 August**. To obtain further information regarding this course,

contact Michelle Harris of CCI, Incorporated at (703) 413-3100.

#### DATA MANAGEMENT (DM) NEWS

DoD 5010.12-M, Procedures for the Acquisition and Management of Technical Data and DoD-HDBK-59 DoD Computer-aided Acquisition and Logistics Support (CALS) Implementation Guide is in the formal coordination cycle for review and comment. These documents will be consolidated into a new DoD Data Management Manual, and may be included in the Defense Acquisition Deskbook. The purpose of the consolidation is to address integrated digital data as the routine data management situation rather than the exception. Also, to recast data management from an emphasis on managing the acquisition of data for placement in repositories to managing the flow of data for IPT decision making. Use of electronic media is the preferred method of data delivery and access. DOD 5000.2R states that new contracts require on-line access to, or delivery of, their programmatic and technical data in digital form, unless analysis shows that life-cycle time or life-cycle costs would be increased by doing so. More on this in the next DATAGRAM.

**DD Form 1423 Contract Data Requirements List (CDRL)** is a requirement cited in the DFARs (DFAR 204.7103-1, DFAR 204.7105 and DFAR 215.873(b)). The Acquisition of Technical Data- DFAR 227.7103-1 states that data items shall be listed as a separate contract line item or on an **exhibit** to the contract. The TEAM policy is to list the individual data items on the CDRLS. CDRLS are assigned an exhibit identifier as required in DFAR 204.7105(b).

#### **Cancellation of Data Item Descriptions (DIDs)**

NAVAIR, NAWCADLKE, and NAWCTSD **DIDs with numbers below 80,000 (UDI and single alpha type DIDs)** canceled in the 1 Oct 95 Acquisition Management System and Data Requirements Control List (AMSDL) are:

DI-R-2068	DI-R-2069A
DI-L-2082A	DI-L-2083A
DI-T-2180	DI-M-2194
DI-M-2195	DI-M-2196
DI-M-2197	DI-M-2198
DI-M-2199	DI-M-2200
DI-M-2201	DI-M-6156
DI-R-7086	DI-E-7087
DI-R-7100	DI-P-7128
DI-P-7129	UDI-R-21374A
DI-E-21430A	DI-S-21433B
DI-M-21455A	DI-T-21456B
DI-S-21458A	DI-S-21459A
DI-S-21460A	DI-T-21463A
DI-T-21464A	DI-S-21465A
DI-L-21474A	DI-S-21475A
DI-E-21478A	DI-T-21479A
DI-R-21481A	DI-L-21575
UDI-E-21586	UDI-E-21587
DI-R-21596	DI-R-21597
DI-R-21598	DI-R-21599
DI-E-25504E	DI-T-25594C
DI-H-25772B	DI-H-25774B.



**COST REPORTING DIDS.**

The following DIDs have been revised:

Cost Performance Report (CPR)  
DI-MGMT-81466 , 19 Oct 95 superseded  
**DI-F-600C**

Cost/Schedule Status Report (C/SSR)  
DI-MGMT-81467 19 Oct 95 superseded  
**DI-F-6010A**

Contract Funds Status Report (CFSR)  
DI-MGMT-81468 19 Oct 95 superseded  
**DI-F-6004B**

**REINSTATED COST REPORTING DIDS**

The following DIDs which were listed as canceled in the 1 Oct 95 issue of the AMSDL have been reinstated by OSD. These DIDs will be re-listed in the 1 APR 96 issue of the AMSDL as current.

**DI-F-6006 Cost Data Summary Report (DD Form 1921)**  
**DI-F-6007 Functional Cost Hour Report (DD Form 1921-1),**  
**DI-F-6008 Progress Curve Report (DD Form 1921-2),**  
**DI-F-6009 Plant Wide Data Report (DD Form 1921-3)**

**DISPOSITION OF ALL REMAINING APPROVED DIDS** must be completed prior to **31 Oct 1996**. The DM office will issue action on this in the near future. If you use other services' DIDs, check with the OPR listed in Block 5 of the DID to ensure these DIDs will be retained. If the OPR plans on canceling the DID, you can assume ownership by informing the OPR that you intend to revise the DID. The NAVAIR DM office can help you in identifying the OPR. Submit revised DID(s) to the DM office for review and forwarding to OSD for approval. Revisions shall remove excessive contract requirements and unnecessary reference to military specifications and standards.

**Onetime DIDs** may be developed if an appropriate DID is not contained in the AMSDL. Onetime DIDs are approved by the DM office.

**Specifications or standards referenced in DIDs** can be: (1) used if a waiver has been granted, or (2) cited as not necessary in block 16 of the CDRL.

**NAVAIRINST 4200.21C Naval Aviation Systems Team Data Requirements Review Board (DRRB)** instruction was approved by AIR-00, 29 June 1995. The DRRB is a forum to review and scrub contract SOWs and data requirements to ensure that SOWs are written in performance based terms. It is requested that the PMs submit their internal DRRB procedures to AIR-1.3.3 as stated in the instruction.

**MIL-HDBK-245D** Statement of Work Preparation was approved 3 April 96, for printing and publication.

## **Other Information Worth Noting**

DODD 5000.1 and DOD 5000.2R were approved 15 March 1996. These documents are available for downloading on the WWW, URL: <http://www.acq.osd.mil/>

## **NAVAIR Standards Improvement Program**

The NAVAIR Standards Improvement Program was approved by A.R. Somoroff, Deputy Commander 15 Sep 95. This addresses three essential elements:

- 1) use of performance-based requirements statements in our procurement documents, and reduced reliance on military documents;
- 2) review and disposition of military documents, using the Defense Standardization Program; and
- 3) metrics describing progress in meeting the objectives of the Standards Improvement Program.

Copies of the NAVAIR Standards Improvement Program may be obtained from Paula Howard, AIR-4.1C.

## **APPROVAL OF DON WIDE WAIVERS:**

The following documents have been granted Navy department wide waivers:

<b>MIL-STD-129</b>	<b>MIL-STD-1425A</b>
<b>MIL-STD-331</b>	<b>MIL-STD-1512</b>
<b>MIL-STD-461D</b>	<b>MIL-STD-1751</b>
<b>MIL-STD-462D</b>	<b>MIL-STD-1901</b>
<b>MIL-STD-498</b>	<b>MIL-STD-1911</b>
<b>MIL-STD-704</b>	<b>MIL-STD-2105</b>
<b>MIL-STD-709</b>	<b>MIL-S-901</b>
<b>MIL-STD-882</b>	<b>MIL-T-23659</b>
<b>MIL-STD-1316</b>	<b>MIL-M-87268</b>
<b>MIL-STD-1385</b>	<b>MIL-M-87269</b>
<b>MIL-STD-1388-2</b>	