

DATA ITEM DESCRIPTION

Title: Engineering Database and Configuration Management Information (EDCMI)

Number: DI-SESS-81694

Approval Date: 14 AUG 2006

AMSC Number: 7609

Limitation: N/A

DTIC Applicable: No

GIDEP Applicable: No

Office of Primary Responsibility: NS/I5221

Applicable Forms: N/A

Use/Relationship: As part of the computer-aided Acquisition and Logistics Support initiative, a method and process for electronically transferring reportable elements of contractor developed technical engineering and configuration control data. This method uses the electronic flat-file transfer format and associated software as a vehicle for Government contractors to deliver configuration baseline and subsequent change data on a project throughout contract life-cycle.

This data item description (DID) contains the format and content preparation instructions for the data product generated by the specific and discrete task requirement as delineated by the contract and Flat File Validation (FFV) Software Users Manual (Entire Document).

Requirements:

1. Reference Documents. The applicable issue of the documents herein, including, their approval dates and dates of any applicable amendments, notices, and revisions, shall be as stated herein. The current issue of the Flat File Validation Software Users Manual is located at the Department of Defense, National Security Agency, 9800 Savage Rd, Fort George G. Meade, Md 20755-6000; Attention: I5221.

1.1 Specific Instructions. One record shall be prepared for each drawing (assembly, subassembly, or part), standard or other document used in the fabrication, or maintenance of the equipment.

2. Format instructions. The engineering drawing data template format requirements shall be as specified in the Flat File Validation (FFV) User's Manual.

3. Content: Engineering Drawing Data, (EDD). The EDD shall contain the following:

3.1 EDD master record (FFV Template 01). The EDD Master Record shall contain each application of each item used in the fabrication, operation, or maintenance of the equipment. An EDD Master Record shall not contain reference documents.

3.1.2 EDD reference designator records (FFV Template 02). The EDD Reference Designator Record shall contain each electrical part (i.e., capacitors, resistors) described in an EDD Master Record. The number of reference designator records shall correspond to the electrical part quantity as it is referred to in the EDD Master Record.

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3.1.3 EDD drawing record (FFV Template 03). The EDD Drawing Record shall contain each drawing assembly, subassembly, or part), standard or other document used in the fabrication or maintenance of the equipment.

3.1.4 EDD drawing sheet record (FFV Template 04). The EDD Drawing Sheet Record shall contain each sheet of a multi-sheet document containing a revision level. An EDD drawing sheet record shall not contain sheets with no revision level.

3.1.5 EDD part record (FFV Template 05). The EDD Part Record shall contain each assembly or part. Part Records shall not contain reference documents.

3.1.6 EDD reference document record (FFV Template 06). The EDD Reference Document Record shall contain each application of a reference document on a parts list.

3.1.7 EDD manufacturer record (FFV Template 07). The EDD Manufacturer Record shall contain any part or assembly that is an Altered Item.

3.2 Configuration Control. The following shall be included in this section:

3.2.1 ECP master record (FFV Template 09). The ECP Master Record shall contain each engineering change proposal, deviation or waiver.

3.2.2 ECP reason records (FFV Template 10). The ECP Reason Records shall contain each ECP Master Record.

3.2.3 ECP base drawings records (FFV Template 11). The ECP Base Drawings Records shall contain each document affected for every instance of an ECP Master Record.

3.2.4 ECP affected drawing sheet records (FFV Template 12). The ECP Affected Drawing Sheet Records shall contain each drawing sheet revision change.

3.2.5 ECP comments/change description record (FFV Template 13). The ECP Comments/Change Description Record shall contain each document affected in an ECP Base Drawing Record (FFV Template 11).

3.2.6 ECP structure records (FFV Template 14). The ECP Structure Records shall contain change affects of a parts list.

3.2.7 ECP reference designator records (FFV Template 15). The ECP Reference Designator Records shall contain change affects of a reference designator.

3.2.8 ECP drawing records (FFV Template 16). The ECP Drawing Records shall contain change affects of a drawing.

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3.2.9 ECP drawing sheet records (FFV Template 17). The ECP Drawing Sheet Records shall contain change affects of drawing sheets for drawings other than the drawing affected in the ECP base drawing record (FFV Template 11).

3.2.10 ECP part records (FFV Template 18). The ECP Part Records shall contain change affects of a part.

3.2.11 ECP reference document records (FFV Template 19). The ECP Reference Document Records shall contain change affects of a reference document.

3.2.12 ECP manufacturer's parts records (FFV Template 20). The ECP manufacturer's parts records shall contain change affects of a manufacturer's part record.

4. END OF DI-SESS-81694.