

DATA ITEM DESCRIPTION

Title: Configuration Management Data Interface Transactions Data Information Packets (DIPs) – Army Materiel Command (AMC)

Number: DI-CMAN-81588

Approval Date: 3 November 2000

AMSC Number: A7403

Limitation: N/A

DTIC Applicable: No

GIDEP Applicable: No

Office of Primary Responsibility: AM

Applicable Forms: N/A

Use, Relationships: Data Information Packets (DIPs) are used as building blocks that can be assembled into messages for submitting deliverables that satisfy contractual data requirements or that exchange standard data between databases. The DIPs define the meta-data elements and documents/files to be provided in the data transaction and correlate those information elements with the data model and dictionary described in Appendices B (to be published) and C of AMC-STD-2549A. DIPs define the meta-data elements and their structure that describes the products, product structure and documents for configuration management of weapon systems.

Part configuration information provides a record of the design configuration of specific parts and provides a continuing record of their design configuration as various maintenance and retrofit actions are completed. Product definition documents are used during all phases of the product and project life cycle to (1) minimize cost by preventing the necessity of redesigning a part, material, process, or practice which is already in use; (2) promote interchangeability of parts and materials between assemblies; (3) promote seamless interface between organizations or software; or, (4) document "lessons learned" and promote "best practices" .

Engineering drawings, associated lists, specifications, standards, part models and software documentation may be required for any product, including mission equipment, special inspection equipment, training devices, special tooling, etc.

Configuration control documents provide actual copies of, and a record of the information relating to, engineering changes, deviations, and notices of revision (NORs). Engineering change proposals (ECPs) document proposed changes in the requirements or design of an item for which the Government is the CDCA. Where a document change is required, the ECP will include a Notice of Revision (NOR). A NOR may also be known by many other names in the DoD, such as a Drawing Change Notice, Advance Drawing Change Notice, Alteration Notice, Change In Design, Engineering Change Notice, Engineering Change Order, Engineering Notice or Engineering Order. Requests for deviation are used to document variations between a deliverable unit(s) of the product and the contractual requirements in the Government-controlled baseline document(s).

General documents include plans, procedures, analyses, books, technical manuals, etc. which are required by the Government for any reason and which are not covered by more specific packets addressed in Appendix D to AMC-STD-2549A. Some of the types of documents in this category (such as design analyses and technical manuals) can be required during any phase of a program; others (such as verification procedures or reports) are only important during a single phase.

Document supplements are used during any phase to prevent the necessity and cost of re-distributing an entire paper document (such as a specification) when only a portion of the document has changed and to expedite the distribution of changes to a document when paper is the primary medium.

This Data Item Description (DID) contains the format and content for the data product resulting from the work task specified in the contract.

Requirements:

1. Reference documents. The applicable issue of any documents cited herein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be as specified in the contract.
2. Format and content. The format and content of the specific data information packets ordered in the CDRL shall be in accordance with the requirements of the applicable DIPs of AMC-STD-2549A, Appendix D listed below and indicated by a bullet.

Products:

- Parts
- Software

Product Structure:

- Part Relationships

Documents:

Product Definition Documents:

- Drawings (DWG)
- Associated Lists (LIST)
- Specifications (SPEC)
- Standards (STD)
- Part Models (PARTMOD)
- Software Documentation (SWDOC)

Configuration Control Documents:

- Engineering Change Proposal (ECP)
- Notice of Revision (NOR)
- Request for Deviation (RFD)

Other Product Related Documents:

- Technical Manual (TECHMAN)
- General documents (GENDOC)
- Document Supplements (DOCSUP)

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