DATA ITEM DESCRIPTION

1. DID NUMBER: -V5.2
2. TITLE: Engineering Drawings
3. DESCRIPTION and intended use

In this DID, Engineering Drawings refers to technical drawings and data sets for physical design data (eg, 3D models and computer-aided design data) that represent the Products, as specified in the SOW including in Annex A to the SOW. Engineering Drawings provide the ‘production’ and ‘as fitted’ drawings and data sets for the system(s) and equipment managed under the Contract.

The Contractor uses the Engineering Drawings:

as part of the definition of the Product Baseline(s) for the system(s) and equipment; and

to assist with the Maintenance and support of the system(s) and equipment throughout the Term.

The Commonwealth uses the Engineering Drawings to:

confirm the current state of the system(s) and equipment;

accurately define the interfaces to external systems; and

enable the system(s) and equipment to be maintained and supported over their respective Lives-Of-Type.

1. INTER-RELATIONSHIPS

The management and updating of Engineering Drawings is defined in the governing plan for Configuration Management (CM) (eg, CM Plan (CMP) or Contractor Engineering Management Plan (CEMP)).

1. Applicable Documents

The following documents form a part of this DID to the extent specified herein:

|  |  |
| --- | --- |
| 1. DEF(AUST)CMTD-5085C | 1. *Engineering Design Data for Defence Materiel* |
|  |  |

1. Preparation Instructions
   1. Generic Format and Content

The data item shall comply with the general format, content and preparation instructions contained in the CDRL clause entitled ‘General Requirements for Data Items’.

* 1. Specific Content
     1. General

Unless otherwise specified in the SOW or an S&Q Order, the Engineering Drawings shall consist of Level 2 drawings as defined by *DEF(AUST)CMTD-5085C* (as applicable to the type of Engineering Drawing).

All Engineering Drawings, drawing lists and other design records shall be prepared, amended and managed in accordance with the requirements of *DEF(AUST)CMTD-5085C* (or equivalent specification as Approved by the Commonwealth Representative) and the Approved governing plan for CM (eg, CMP or CEMP).

Unless otherwise specified in the SOW or an S&Q Order, all Engineering Drawings shall be delivered in the following formats:

for all new drawings / data sets, as defined in the Approved TDMP; and

for all amended drawings / data sets, in the same format(s) as the original drawings / data sets.

* + 1. Drawing Index

Unless otherwise specified in the SOW or an S&Q Order, all new or amended Engineering Drawings shall be accompanied by an updated drawing index, containing the following data elements and delivered in ASCII delimited text with column names in the first row:

|  |  |
| --- | --- |
| Field Description | Importance |
| 1. Drawing or Document Number | 1. Essential |
| 1. Manufacturer’s Code | 1. Essential |
| 1. Drawing or Document Title | 1. Essential |
| 1. Drawing or Document Type | 1. Essential |
| 1. Drawing Size | 1. Essential for aperture card format |
| 1. Number of Sheets | 1. Essential |
| 1. Sheet Number | 1. Essential |
| 1. Revision or Issue Letter or Number | 1. Essential |
| 1. Revision or Issue Date | 1. Essential |
| 1. Frame Number | 1. Essential if drawing sheets consist of multiple images |
| 1. Number of Frames | 1. Essential if drawing sheets consist of multiple images |
| 1. Next Higher Assembly or Used On | 1. Essential |
| 1. Image File Name | 1. Essential for electronic data |
| 1. Image File Format | 1. Essential for electronic data |
| 1. Volume Name | 1. Essential if images stored over multiple optical storage disk or tapes, etc. |
| 1. Security Classification | 1. Essential |

* + 1. Interpretation Document

An interpretation document shall be provided for each Contractor and Subcontractor drawing system. The interpretation document shall include:

information to facilitate interpretation of the drawing and part number structure including standards used; and

an explanation of symbology pertaining to notes, revision markers and effectivity annotations.

* + 1. Associated Lists

Unless otherwise specified in the SOW or an S&Q Order, associated lists shall be provided in electronic format and prepared in accordance with *DEF(AUST)CMTD-5085C* (as applicable).