DATA ITEM DESCRIPTION

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

In this DID, ‘*Engineering Drawings*’ refers to Engineering Design Data for hardware products of the Materiel System, including technical drawings and data sets (eg, three-dimensional modelling and computer-aided design data). Engineering Drawings include design and production drawings and/or data sets for the applicable item(s) / system(s), as identified in the Approved Drawing List.

The Contractor uses the Engineering Drawings as part of the definition of the Product Baseline(s) for the applicable item(s) / system(s).

The Commonwealth uses the Engineering Drawings to:

confirm the current state of the applicable item / system, including when the item / system is being offered for Acceptance;

accurately define the interfaces to external systems; and

enable the applicable system / item to be supported over its Life-of-Type.

1. INTER-RELATIONSHIPS

The Engineering Drawings are subordinate to the following data items, where these data items are required under the Contract:

Systems Engineering Management Plan (SEMP);

Integrated Support Plan (ISP);

Technical Data Plan (TDP); and

Configuration Management Plan (CMP).

The Engineering Drawings inter-relate with the following data items, where these data items are required under the Contract:

Drawing List;

Mission System Technical Documentation Tree (MSTDT);

publications (including interactive electronic technical publications) and Training Materials (including Computer Based Training (CBT)) that contain or refer to the Engineering Drawings; and

Support System Technical Data List (SSTDL).

1. Applicable Documents

The following document forms 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 shallnot comply with the general format, content and preparation instructions contained in the CDRL clause entitled ‘General Requirements for Data Items’.

* 1. Specific Content
     1. Engineering Drawings

Unless otherwise specified by the SOW or in the Approved governing plan for Technical Data under the Contract (ie, the Approved TDP or Approved ISP), the Engineering Drawings shall consist of Level 3 drawings as defined by DEF(AUST)CMTD-5085C (as applicable to the type of Engineering Drawing).

All Engineering Drawings, associated lists and other design records shall be prepared, amended and managed in accordance with the requirements of DEF(AUST)CMTD-5085C (or equivalent specification in the Approved governing plan for Technical Data under the Contract) and the Approved governing plan for Configuration Management under the Contract (eg, CMP or SEMP).

Unless otherwise specified in the SOW, all Engineering Drawings shall be delivered in the formats defined in the Approved governing plan for Technical Data under the Contract (ie, the Approved TDP or Approved ISP) or as otherwise defined in the Approved Drawings List.

Configuration Control details for Engineering Drawings (eg, amendment status) shall be in accordance with the Approved governing plan for Configuration Management under the Contract.

The Engineering Drawings to be delivered shall include all drawings identified in the Approved Drawing List for the applicable delivery (eg, for a Mandated System Review or System Acceptance Milestone).

* + 1. Interpretation Document

An interpretation document shall be provided for each Contractor and Subcontractor drawing system in accordance with DEF(AUST)CMTD-5085C (or equivalent specification in the Approved governing plan for Technical Data under the Contract). Each interpretation document shall include:

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

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

* + 1. Associated Lists

Associated lists shall be prepared in accordance with DEF(AUST)CMTD-5085C (or equivalent specification in the Approved governing plan for Technical Data under the Contract) and provided in electronic format.