DATA ITEM DESCRIPTION

1. DID NUMBER: DID-ENG-SOL-DCERT-
2. TITLE: DESIGN CERTIFICATE
3. DESCRIPTION and intended use

The Design Certificate (DCERT) is the document that certifies that a design conforms to the specified design requirements (with the exception of any items quoted on the DCERT) and is compliant with statutory obligations. The DCERT either includes, or refers to, the objective evidence necessary to support the claims of conformance.

The Contractor uses the DCERT to enable the individual approving each design or design change to certify that the design meets the contractual and statutory requirements and provide the certification required by any applicable ADF regulatory / assurance framework.

The Commonwealth uses the DCERT to provide confidence that a design meets the stated requirements, that the risks associated with a design are defined and have been controlled, and that the designer has addressed statutory obligations including the duties of a designer in accordance with Section 22 of the *Work Health and Safety Act 2011 (Cth)*.

1. INTER-RELATIONSHIPS

The DCERT inter-relates with the following data items, where these data items are required under the Contract:

System Specification (SS) for a Mission System, or specification for a modification;

Support System Specification (SSSPEC);

System Architecture Description (SAD);

design documents; and

Acceptance Verification and Validation (AV&V) data items.

1. Applicable Documents

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

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| --- | --- |
| 1. AAP 8000.011 | 1. Defence Aviation Safety Regulations (DASR) |
| 1. ANP3411-0101 | 1. Navy Materiel Assurance Publication |
| 1. LMSM | 1. Land Materiel Safety Manual |
| 1. DEOP 100 Vol 2 Pt2 Chap 3 | 1. Explosive Ordnance Safety Regulations |

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’.

The data item shall comply with any formatting requirements specified in the applicable ADF regulatory / assurance framework manual specified in the Statement of Work (SOW).

* 1. Specific Content
     1. Identification of Certified Product

The DCERT shall identify the product to which the DCERT applies, including:

item name;

NATO Stock Number (NSN), if applicable;

manufacturer’s code (ie, the Commercial and Government Entity (CAGE) code);

manufacturer’s part / reference number; and

any additional information required to ensure that the product identification is clear and unambiguous.

* + 1. Design Requirements and Evidence of Conformance

The DCERT shall include:

an index of the specifications / requirements, including applicable standards, against which the design was developed;

an index of the design documentation;

an index of the documentation that Verifies that the design conforms with the design requirements;

confirmation of successful completion of all Acceptance V&V activities required under the Contract;

details of any applicable ADF regulatory / assurance framework;

certification that, except for any exceptions listed on the design certificate in accordance with subclause g, the design, or design change:

conforms with the design requirements;

is suitable for use in the intended environment and operating scenarios as documented in the Operational Concept Document or Operational and Support Concept (as applicable to the Contract); and

that all calculations made during the course of the design are warranted correct;

a list of exceptions from the design requirements;

certification that the designer has met any statutory obligations including the further duties of a designer in accordance with Section 22 of the *Work Health and Safety Act 2011 (Cth)*; and

details of the registration of any design or item requiring registration under Part 5.3 of the *WHS Regulations 2011 (Cth)*.

The DCERT shall include additional evidence reasonably required by the Commonwealth Representative, the *Work Health and Safety Act 2011 (Cth)*, and any ADF regulatory / assurance framework authority, in support of the requirements of clauses 6.2.2.1 and 6.2.4.

* + 1. Issuing Authority

The DCERT shall identify the name and authority held by the individual approving the design, and the name and address of the company to which the individual belongs.

The DCERT shall be jointly signed by:

the individual approving the design, as authorised by the Contractor and in accordance with any applicable ADF regulatory / assurance framework requirements; and

the Contractor Representative.

* + 1. ADF Regulatory / Assurance Framework Requirements

When a system certification program is required under the Contract, the DCERT shall include any additional supporting evidence required by the applicable ADF regulatory / assurance framework publication, as listed in clause 5.1 and specified in the SOW (including specifications), and the Approved governing plan for the system certification program.