DATA ITEM DESCRIPTION

Title: DEVELOPMENTAL DESIGN DRAWINGS/MODELS AND ASSOCIATED LISTS

Number: DI-SESS-81002E   **Approval Date:** 05 Nov 09
ASMC Number: A9094   **Limitation**:
DTIC Applicable: **GIDEP Applicable**:
Office of Primary Responsibility: AR
Applicable Forms:
Use/relationship: Developmental Design Drawings/Models and Associated Lists define engineering design approaches. They are used to support design analyses and the development of prototype hardware.

a. This Data Item Description (DID) contains the format and content preparation instructions for Developmental Design Drawings/Models and Associated Lists resulting from the work task described in 5.7.3.2 of MIL-STD-31000.

b. This DID is applicable to acquisitions of military systems, equipment, and components. It is intended for use primarily during the concept/development phase of the DoD materiel life cycle.

c. It is not intended that all the requirements contained herein should be applied to every program. This DID should be tailored to the minimum data requirements of the applicable contract or purchase order.

d. This DID supersedes DI-SESS-81002D.

e. This DID is related to DI-SESS-81000D, DI-SESS-81001D, and DI-SESS-81003D.

f. A purchased item, as defined in ASME Y14.24, is an item which is sold or traded in the course of conducting normal business operations, is used by commercial industry, or is a specialized version of a supplier's general product line which he routinely customizes. Purchased items as used herein have also been referred to as vendor items or vendor-developed items.

Requirements:

1. Reference Documents. The applicable issue of the documents cited herein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be as cited in the ASSIST database, http://assist.daps.dla.mil, at the time of the solicitation; or, for documents not included in ASSIST, as stated herein.

2. General. Developmental Design Drawings/Models and Associated Lists shall be in accordance with MIL-STD-31000 and the TDP Option Selection Worksheet incorporated into the contract.

3. Format. Developmental Design Drawings/Models and Associated Lists shall be in either the contractor's or the Government's format as specified on the TDP Option Selection Worksheet incorporated into the contract or purchase order.

4. Content. Developmental Design Drawings/Models and Associated Lists shall define an engineering design approach in detail. These drawings shall:

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a. Support the evaluation of the inherent ability of the design approach to meet the stated military requirement.

b. Support the development of prototype hardware, including computer software if applicable, for test or experimentation.

c. Describe any materials or processes, which must be developed as a result of the design approach.

d. Identify any unique processes required by the design approach.

5. CAGE code and document numbers. Developmental Design Drawings/Models and Associated Lists shall be identified with the contractor's CAGE code and contractor document numbers or with a Government CAGE code and Government document numbers as specified in the TDP Option Selection Worksheet incorporated in the contract or purchase order.

6. Selection of drawings. The types of drawings to be prepared will vary according to the complexity of the design approach and may range from simple sketches to complex drawings. The TDP Option Selection Worksheet incorporated in the contract or purchase order will specify whether the contractor or the Government is responsible for selecting the types of drawings and Associated Lists to be prepared.

7. Control Drawings. Control drawings need not be prepared for vendor items or nonstandard parts. Applicability of Standards. When specified on the TDP Option Selection Worksheet incorporated into the contract or purchase order, Developmental Design Drawings/Models and Associated Lists shall conform to the requirements of ASME Y14.100**,** or, if applicable, ASME Y14.100 and Appendices B through E, as required, ASME Y14.34, and ASME Y14.41.

8. End of DI-SESS-81002E.