

DATA ITEM DESCRIPTION

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1. TITLE SPECIAL INSPECTION EQUIPMENT DESCRIPTIVE DOCUMENTATION		2. IDENTIFICATION NUMBER DI-QCIC-81006	
3. DESCRIPTION/PURPOSE 3.1 Special inspection equipment descriptive documentation (ED) provides set up, operating and maintenance information about complex special inspection equipment (SIE) that cannot be defined by normal drawing and specification practices.			
4. APPROVAL DATE (YYMMDD) 890911	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) DO	6a. DTIC APPLICABLE	6b. GIDEP APPLICABLE
7. APPLICATION/INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format and content preparation instructions for EDs resulting from the work task described in 3.6.7 of MIL-T-31000. 7.2 This DID is applicable to acquisitions of military systems, equipments, and components that require Government personnel to operate complex SIE that cannot be defined by normal drawing or specification practices. (Continued on page 2)			
8. APPROVAL LIMITATION		9a. APPLICABLE FORMS	9b. AMSC NUMBER D4822
10. PREPARATION INSTRUCTIONS 10.1 <u>Reference documents.</u> The applicable issue of the documents cited herein, including their approval dates and the dates of applicable amendments and revisions, shall be as cited in the contract or purchase order. 10.2 <u>General.</u> EDs shall meet the requirements of MIL-T-31000. 10.3 <u>Format.</u> EDs shall be in the contractor's format, such as manuals or brochures. However, each ED shall have a cover sheet, a table of contents and contain the information specified in 10.4 herein. 10.4 <u>Content.</u> EDs shall define the requirements and procedures for setting up, programming, operating, calibrating and maintaining the SIE. These requirements and procedures shall be specified to a level of detail that will enable inspection personnel that are not fully knowledgeable of the SIE, to perform inspections with the SIE without recourse to the original design contractor or the assistance of highly trained personnel. The information in 10.4.1 and 10.4.2 shall be provided as applicable: (Continued on page 2)			
11. DISTRIBUTION STATEMENT DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.			

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Block 7. APPLICATION/RELATIONSHIP (Continued)

7.3 This DID supersedes DI-CMAN-80786.

7.4 This DID is related to DI-DRPR-81004, "Special Inspection Equipment Drawings and Associated Lists"; DI-QCIC-81005, "Special Inspection Equipment Operating Instructions"; and DI-QCIC-81007, "Special Inspection Equipment Calibration Procedures".

Block 10. PREPARATION INSTRUCTIONS (continued)

10.4.1 Uninstalled materiel. EDs for SIE that is used to inspect materiel that has not been installed in an aircraft, vehicle, or other equipment shall include:

- a. The cover sheet shall include the nomenclature and part identification number of the SIE being described.
- b. A statement as to the purpose of the SIE and the tests to be performed.
- c. A general description of the SIE, including such parameters as physical, electrical, pneumatic, or other distinctive characteristics.
- d. A list of component parts identified by part identification numbers, manufacturer's model numbers, or other distinctive designation such as an electrical rating.
- e. Schematic diagrams, drawings and illustrations as necessary to clarify or define set up arrangements or other pertinent information. Where drawings or illustrations will not suffice, photographs may be used.
- f. Maintenance instructions.
- h. Special calibration instructions.
- i. Complete description of nonstandard or modified standard parts (such as machined parts, cables, adapters, holding fixtures, modified circuits, standard gages, or meters), used in the SIE or in performing the inspections.

10.4.2 Installed materiel. In addition to 10.4.1 above, EDs for SIE used to inspect materiel that has been installed in an aircraft, vehicle, or other equipment shall:

- a. Define the technical characteristics to be inspected and the manner in which the materiel is to be installed.
- b. Define the operating parameters, applicable tolerances, and criteria for determining that the installed materiel will perform its intended function.