

| DATA ITEM DESCRIPTION   |  |   | Form Approved<br>OMB No. 0704-0188 |                     |
|---|--|---|------------------------------------|---------------------|
| Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. |  |   |                                    |                     |
| 1. TITLE  |  |   | 2. IDENTIFICATION NUMBER           |                     |
| SPECIAL INSPECTION EQUIPMENT OPERATING INSTRUCTIONS   |  |   | DI-QCIC-81005                      |                     |
| 3. DESCRIPTION/PURPOSE  |  |   |                                    |                     |
| 3.1 Special Inspection Equipment Operating Instructions (EOI) are detailed procedures for setting up and operating a specific item of Special Inspection Equipment (SIE).   |  |   |                                    |                     |
| 4. APPROVAL DATE<br>(YYMMDD)  |  | 5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) |                                    | 6a. DTIC APPLICABLE |
| 890911  |  | DO  |                                    |                     |
| 6b. GIDEP APPLICABLE  |  |   |                                    |                     |
|   |  |   |                                    |                     |
| 7. APPLICATION/INTERRELATIONSHIP  |  |   |                                    |                     |
| 7.1 This Data Item Description (DID) contains the format and preparation instructions for the EOIs resulting from the work task described in 3.6.6 of MIL-T-31000.  |  |   |                                    |                     |
| 7.2 This DID is applicable to acquisitions of military systems, equipments, and components that require the use of SIE to achieve the engineering requirements of the item.   |  |   |                                    |                     |
| (Continued on sheet 2)  |  |   |                                    |                     |
| 8. APPROVAL LIMITATION  |  | 9a. APPLICABLE FORMS                      |                                    | 9b. AMSC NUMBER     |
|   |  |   |                                    | D4821               |
| 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> EOIs shall meet the requirements of MIL-T-31000 as tailored in the contract or purchase order.   |  |   |                                    |                     |
| 10.3 <u>Format.</u> EOIs shall be in the contractor's format.   |  |   |                                    |                     |
| 10.4 <u>Content.</u> EOIs shall specify the procedures for setting up and operating a specific piece of SIE to perform hardware inspections. The procedures shall be defined in sufficient detail to permit inspection personnel that are not fully knowledgeable of the design and peculiarities of the SIE to perform the required inspections. The exact contents of EOIs will vary with the type and complexity of the SIE.   |  |   |                                    |                     |
| (Continued on page 2)   |  |   |                                    |                     |
| 11. DISTRIBUTION STATEMENT  |  |   |                                    |                     |
| DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.   |  |   |                                    |                     |

DI-QCIC-81005

Block 7. APPLICATION / INTERRELATIONSHIP (Continued)

7.3 This DID supersedes DI-CMAN-80785.

7.5 This DID is related to DI-DRPR-81004, "Special Inspection Equipment Drawings and Associated Lists"; DI-QCIC-81006, "Special Inspection Equipment Descriptive Documentation"; and DI-QCIC-81007, "Special Inspection Equipment Calibration Procedures".

Block 10. PREPARATION INSTRUCTIONS (Continued)

10.4.1 Instructions. EOIs shall contain instructions on the following types of subjects as applicable:

- a. Inspection equipment power requirements.
- b. Inspection equipment warm up.
- c. Inspection equipment preparation, such as zeroing meters and checking calibrations.
- d. Self-test or self-check capabilities of the inspection equipment.
- e. Inspection equipment programming.
- f. Connections between the inspection equipment and unit under test.
- g. Test sequences.
- h. Step-by-step operations, such as setting switches, starting blowers, and taking readings.
- i. Inspection equipment peculiarities, such as waiting time on delay relays; high voltage hazards; possible damage or erroneous results from improper test sequence; and temperature, radiation, vibration or leveling sensitivities.
- j. Interpretation of test results.
- k. Use of formulae and conversion factors in determining test results, such as analog to digital conversions.
- l. Inspection equipment shut down, setup disassembly, and storage.

10.4.2 Auxiliary equipment. EOIs shall contain a list of equipment and miscellaneous items, such as adaptors and cables, that are required to perform inspections but are not part of or supplied with the inspection equipment. The list shall include the part identification number and nomenclature for each item listed.

10.4.3 Drawings and photographs. Pictorial drawings or photographs may be used to define requirements such as equipment locations, switch locations, and cable connections.