

# DATA ITEM DESCRIPTION

*Form Approved*  
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.

<b>1. TITLE</b>  Electromagnetic Effects Verification Procedures (EMEVP)	<b>2. IDENTIFICATION NUMBER</b>  DI-EMCS-81295
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**3. DESCRIPTION/PURPOSE**

3.1 The EMEVP describes the tests, analyses, and inspections to be performed by the contractor and the verification criteria necessary to satisfy the electromagnetic effects (EME) protection requirements. The EMEVP provides the means for the Government to evaluate the contractor-proposed EME protection verification program.

<b>4. APPROVAL DATE</b> (YYMMDD) 921125	<b>5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)</b> 11	<b>6a. DTIC APPLICABLE</b>	<b>6b. GIDEP APPLICABLE</b>
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**7. APPLICATION/INTERRELATIONSHIP**

7.1 This Data Item Description contains the format and content preparation instructions for data resulting from the work task described by 5.1.1 of MIL-STD-1818

7.2 This data item is applicable to any system. When subsystems or equipments are procured individually, the applicable sections of the EMEVP should be used.

7.3 The EMEVP should contain sufficient detail to support the procedures commensurate with the state of program development at the time the EMEVP is prepared.

(Continued on page 2)

<b>8. APPROVAL LIMITATION</b>	<b>9a. APPLICABLE FORMS</b>	<b>9b. AMSC NUMBER</b> F6843
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**10. PREPARATION INSTRUCTIONS**

10.1 *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 specified in the contract.

10.2 *Format.* The EMEVP format shall be contractor-selected. Text and data submitted in digital form shall conform to the requirements of MIL-M-28001, MIL-R-28002, MIL-D-28003, and MIL-STD-1840.

10.3 *Content.* The EMEVP shall include the tests, analyses, and inspection methods to be used, as well as the pass/fail criteria, for each element of the EME program described in 4.2 thru 4.12 of MIL-STD-1818. Separate procedures may be prepared for each independent verification element intended to satisfy a specific objective. All system-, subsystem-, and equipment-level verification shall be included. The procedures shall include the following items as appropriate for a particular verification method:

- a. Objective of verification method.
- b. Description of the article.

(Continued on page 2)

**11. DISTRIBUTION STATEMENT**

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

Block 7, Application/Interrelationship (Continued)

7.4 This data item is normally applied to the Engineering and Manufacturing Development phase of a program, but it can be used in any phase.

7.5 This DID is related to DI-EMCS-81296 , Electromagnetic Effects Verification Report; DI-EMCS-81294 , Electromagnetic Effects Control Procedure; and DI-R-1759A, Nuclear Weapons Effects Test Plan.

7.6 This DID supersedes DI-T-3704.

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Block 10, Preparation Instructions (Continued)

- c. Operating details of the article.
- d. Description of test facilities.
- e. Description of analysis techniques and tools.
- f. Description of any aids to be used during inspections.
- g. Pass/fail criteria.
- h. Set-up details.
- i. Schedules.
- j. Methods to be used in selecting critical circuits to be evaluated for compliance to the degradation criteria and margins.
- k. Step-by-step procedures for accomplishing verification.
- l. Methods for monitoring test objectives.
- m. Methods for demonstration of required margins.
- n. Description of methods of simulating operational performance in cases where actual operation is impractical.
- o. Operating procedures for transmitters, including needed frequency allocations and personal safety zones.
- p. Methods of demonstrating proper operation of antenna-connected receivers across entire operating frequency ranges (5.2 of MIL-STD- 1818 ).
- q. Handling of classified material and use of classified operation modes (war modes) during tests.
- r. Government facilities and assets that will be needed.