DATA ITEM DESCRIPTION

Form Approved
OMB No. 0704-0188

1. TITLE	2. IDENTIFICATION NUMBER
Electromagnetic Effects Verification Procedures (EMEVP)	DI-EMCS-81295

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.

4. APPROVAL DATE (YYMMDD)	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)	6a. DTIC APPLICABLE	6b. GIDEP APPLICABLE
921125	11		

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.

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8. APPROVAL LIMITATION	9a. APPLICABLE FORMS	9b. AMSC NUMBER
		F6843

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.

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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.

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.