

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 2202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington DC 20503.				
1. TITLE Electromagnetic Effects Verification Procedures (EMEVP)			2. IDENTIFICATION NUMBER DI-EMCS-81295A	
3. DESCRIPTION/PURPOSE 3.1 The EMEVP describes the tests, analysis 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. EME includes electromagnetic compatibility, electromagnetic interference, external radio frequency (RF) environment, RF compatibility, lightning, electromagnetic pulse, electrostatic charge control, electrical bonding and radiation hazards.				
4. APPROVAL DATE (YYMMDD) 950731	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) F/ASC-ENAI	6a. DTIC APPLICABLE	6b. GIDEP APPLICABLE	
7. APPLICATION/INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format and content preparation instructions for data product generated by the specific and discrete task requirement as delineated in the contract. 7.2 This data item is applicable to any system. When subsystems or equipments are acquired individually, the applicable sections of this EMEVP should be used. (Continued on page 2)				
8. APPROVAL LIMITATION		9a. APPLICABLE FORMS		9b. AMSC NUMBER F7159
10. PREPARATION INSTRUCTIONS 10.1 <u>Format</u> . Contractor format is acceptable. 10.2 <u>Content</u> . The EMEVP shall include the tests, analysis and inspection methods to be used, as well as the pass/fail criteria, for each element of the EME development. 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. c. Operating details of the article. d. Description of test facilities. e. Description of analysis techniques and tools. (Continued on page 2)				
11. DISTRIBUTION STATEMENT DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.				

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Block 7, Application/Interrelationship (Continued)

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.

7.4 This data item is normally applied to the Engineering and Manufacturing Development phase of a program, but it can be applied to other acquisition phases.

7.5 This DID supersedes DI-EMCS-81295.

Block 10, Preparation Instructions (Continued)

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.

q. Handling of classified material and use of classified operating modes (war modes) during tests.

r. Government facilities and assets that will be needed.