

## DATA ITEM DESCRIPTION

Form Approved  
OMB No. 0704-0188

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## 1. TITLE

ELECTROMAGNETIC COMPATIBILITY PROGRAM PROCEDURES

## 2. IDENTIFICATION NUMBER

DI-EMCS-81528

## 3. DESCRIPTION / PURPOSE

3.1 The Electromagnetic Compatibility Program Procedures (EMCPP) provides data necessary to demonstrate that electromagnetic environmental effects (E3) requirements have been met and that they will be satisfied throughout the life cycle of the platform, system, or equipment.

## 4. APPROVAL DATE

961114

## 5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)

N/EC

## 6a. DTIC APPLICABLE

## 6b. GIDEP APPLICABLE

## 7. APPLICATION / INTERRELATIONSHIP

7.1 This Data Item Description (DID) contains the format and content preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the contract.

7.2 This DID may be applied in the procurement of major systems that must operate in friendly or adverse electromagnetic environments.

## 8. APPROVAL LIMITATION

## 9a. APPLICABLE FORMS

## 9b. AMSC NUMBER

N7212

## 10. PREPARATION INSTRUCTIONS

10.1 Format. The report shall be in contractor format.

10.2 Content. The report shall contain the following:

10.2.1 Applicability. The EMCPP shall describe the platform, system or equipment to which it applies.

10.2.2 Application of EMC Standards. The EMCPP shall list the commercial and military standards applied to achieve electromagnetic compatibility.

10.2.3 Analysis. The EMCPP shall describe the analytical models and tools used to verify compliance, when such models and tools are used in lieu of measured data.

10.2.4 Electromagnetic Environmental Effects (E3). The EMCPP shall include data and analyses to demonstrate that the platform, system or equipment complies with the contractual requirements for electromagnetic compatibility in the following areas:

- a. Electromagnetic compatibility with other equipment, including COTS and NDI products.
- b. Hazards of electromagnetic radiation of ordnance, fuels, and personnel.
- c. Lightning.
- d. Spectrum certification
- e. Bonding, grounding, and shielding.

## 11. DISTRIBUTION STATEMENT

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