

DATA ITEM DESCRIPTION

Title: SPECTRUM CERTIFICATION SPECTRAL CHARACTERISTICS DATA

Number: DI-EMCS-81827

Approval Date: 20100725

AMSC Number: 9157

Limitation:

DTIC Applicable: No

GIDEP Applicable: No

Office of Primary Responsibility: 11

Applicable Forms: DD Form 1494

Use/relationship: Section 305 and chapter 8 of title 47, United States Code, Office of Management and Budget (OMB) Circular A-11, Part 2, Sec. 33.4, and the Manual of Regulations and Procedures for Radio Frequency Management require certification of spectrum support prior to authorization to operate for experimental testing (Stage 2), developmental testing (Stage 3), or operation (Stage 4) of new major spectrum-dependent (S-D) systems and equipment.

DoDI 4650.01 requires Spectrum Supportability Risk Assessments (SSRAs) to be performed by DoD components for all S-D systems and equipment to identify risks as early as possible and affect design and procurement decisions. As indicated below, these risks are reviewed at each acquisition milestone (MS) and are managed throughout the system's lifecycle.

DEFENSE ACQUISITION SYSTEM PHASE	MATERIEL SOLUTION ANALYSIS	TECHNOLOGY DEVELOPMENT	ENGINEERING AND MANUFACTURING DEVELOPMENT AND DEMONSTRATION	PRODUCTION AND DEPLOYMENT	OPERATIONS AND SUPPORT
EVENT	MS A	MS B	MS C	REQUEST AUTHORIZATION TO OPERATE – OTHER THAN TESTING	
REQUIRED STAGE OF CERTIFICATION OF SPECTRUM SUPPORT FOR EACH EVENT	Stage 1: (Conceptual)	Stage 2: (Experimental)	Stage 3: (Developmental)	Stage 4: (Operational)	

The DD Form 1494 provides the means for the Department of Defense to evaluate Spectrum Supportability Compliance throughout the life cycle of a system or equipment.

- a. This DID contains the format and content preparation instructions for data resulting from the work task described by 5.15 of MIL-STD-464 and is intended for contractor furnished S-D equipment employed on airborne, sea, space, and ground systems
- b. An Application for Equipment Frequency Allocation (DD Form 1494) is required for each contractor-furnished S-D equipment.
- c. This DID is related to DI-81540B, DI-EMCS-81541B and DI-EMCS-81542B.
- d. This DID supersedes DI-MISC-81174.

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Requirements:

1. Reference documents. The applicable issue of the documents cited herein, including their approval dates and dates of any applicable amendments, notices, or revisions, shall be as cited in the solicitation or contract.
2. Format and content. The format and content shall be in accordance with the instructions on the back of DD Form 1494.
3. Other information sources. When other information sources contain data required by this DID, these sources shall be referenced and the data incorporated into the DD Form 1494. How copies of the referenced documents can be obtained shall be stated.
4. End of DI-EMCS-81827