

DATA ITEM DESCRIPTION

Title: Technical Manual Validation Plan

Number: DI-TMSS-81818

Approval Date: 20100525

AMSC Number: N9141

Limitation: N/A

DTIC Applicable: N/A

GIDEP Applicable: N/A

Office of Primary Responsibility: SH/SEA 04L2

Applicable Forms: N/A

Use/relationship: The Technical Manual (TM) Validation Plan defines the contractor's methods, procedures, controls, and resources that will be used to accomplish validation of the TM(s) being procured and developed. The plan is submitted to the Government for review and acceptance prior to development of the TM(s).

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

The following DID should be considered when TMs are being procured: DI-TMSS-81819, TM Validation Certificate.

Requirements:

1. Format. The TM Validation Plan shall be presented in the contractor's format.
2. Content. The TM Validation Plan shall contain the scope of the validation effort including the methods, procedures, controls, and resources that will be used by the contractor to accomplish validation of TMs to ensure their technical adequacy, accuracy, and compliance with the provisions of the contract and Technical Manual Contract Requirement (TMCR). The plan shall also include the following:
 - a. Name and address of contractor and contract number.
 - b. Submittal date for the plan.
 - c. Identification of TMs to be validated. Include applicable TMCR number(s), TM identification number(s), and title(s) of the TM(s) to be validated.
 - d. Document Type Definition (DTD) Public Identifier(s) used to develop the TM(s) covered by the plan.
 - e. The maintenance level(s) of the TM(s) to be validated (organizational, intermediate, and/or depot-level).
 - f. For TM revisions, identify the areas of the TM containing the revised material to be validated.

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- g. Dates and location/facilities of specific validation events.
 - h. Recommendation/identification of any combined validation/verification events.
 - i. Location and/or facilities for validation conduct.
 - j. A listing of the contractor's personnel (by name, organization, and role) who will be responsible for accomplishing the validation efforts.
 - k. Support equipment, test equipment, materials, contractual end items, and tools, etc., required during validation. Identification of any next higher assembly(ies)/system(s) required to support the validation (e.g., if a procedure entails installing a black box on the system, then the system or a mock-up of one is the next higher assembly).
 - l. Location/facility-specific safety precautions.
 - m. Location/facility-specific environmental requirements.
 - n. A detailed description of the validation methods and procedures to be used shall include:
 - (1) Review against source data.
 - (2) Comparison to actual system/equipment
 - (3) Demonstration of procedures on the actual system/equipment.
 - (4) For non-linear Interactive Electronic TMs (IETMs), a description of the approach to evaluate IETM usability (including visual and functional characteristics).
 - o. A detailed description of the specific parts of the TM to be validated and the specific method(s) to be used, such as:
 - (1) Analysis of results of the reviewed material against the source data.
 - (2) Comparison of the material to the actual equipment/system.
 - (3) Demonstration results of performing operational, troubleshooting, and maintenance procedures on the actual equipment/system.
 - p. A listing and description of any proposed fault simulations that will be used to validate the troubleshooting procedures.
 - q. A description of the record keeping methods to be used to document validation results and identity of the validation findings disposition process.
3. End of DI-TMSS-81818.