

DATA ITEM DESCRIPTION

Form Approved
OMB No. 0704-0188

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1. TITLE

TEST REQUIREMENTS DOCUMENT (TRD)

2. IDENTIFICATION NUMBER

DI-ATTS-80041A

3. DESCRIPTION/PURPOSE

3.1 The TRD defines test performance, test conditions, diagnostic requirements, and support equipment to fault locate, align, and verify proper operation of an item under test. It is used in the preparation of test packages (e.g., tapes, tape manuals, and interface items, etc.) or test procedures for test equipment.

4. APPROVAL DATE

(YYMMDD)
970124

5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)

F/AFMC-DOP

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 is applicable to engineering (developmental), preliminary qualification, qualification, and acceptance testing.

7.3 This DID supersedes DI-ATTS-80041.

8. APPROVAL LIMITATION

9a. APPLICABLE FORMS

9b. AMSC NUMBER

F7229

10. PREPARATION INSTRUCTIONS

10.1 Format. Contractor format is acceptable.

10.2 Content. The TRD shall include four parts for each item being tested. All test parameters and test conditions shall be independent of any specific test equipment. The TRD shall include the following information:

10.2.1 Part A - A detailed description of the performance characteristics of each system, subsystem, unit, and subassembly (referred to as Units-Under-Test (UUT)) and a summary of the total testing requirements including input conditions, output measurements, and test points.

a. Functional name of the UUT and supplier's part numbers.

b. All inputs and their range and tolerance.

c. All outputs in terms of their range, accuracy, and relationship to the input conditions.

d. All test points identified by test connector, pin designator, function, and signal (input or output) conditions. This will include the specific parameters that can be measured at the test point and the value(s) expected.

11. DISTRIBUTION STATEMENT

DISTRIBUTION STATEMENT A: APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED.

Block 10, Preparation Instructions (continued)

10.2.2 Part B - The performance tests required to completely exercise the UUT in various modes of operation to reveal any degradation in performance characteristics.

10.2.3 Part C - The diagnostic tests and support equipment required to isolate and diagnose a fault(s) detected during the UUT performance testing. Fault isolation will be to the lowest component part possible.

10.2.4 Part D - The Abbreviated Test Language for All Systems (ATLAS) procedures for the Part B performance tests and the Part C diagnostic tests in accordance with Institute of Electrical and Electronic Engineers Standard 716-1982.