DATA ITEM DESCRIPTION

Form Approved
OMB No. 0704-0188

1. TITLE	2. IDENTIFICATION NUMBER
TEST DESIGN AND ASSESSMENT REPORT	DI-ATTS-81273

3. DESCRIPTION/PURPOSE

3.1 This report documents the results of the evaluation of a system's test design. These data are to be used to evaluate the level of testability incorporated in a design.

4. APPROVAL DATE (YYMMDD)	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)	6a. DTIC APPLICABLE	6b.GIDEP APPLICABLE
920612	SH		

7. APPLICATION/INTERRELATIONSHIP

7.1 This DID contains the format and preparation instructions for data resulting from the work task described by Task 203 of MIL-STD-2165A.

7.2 This DID may be applicable for all system and equipment development programs.

7.3 This DID supersedes DI-T-7199.

8. APPROVAL LIMITATION	9a. APPLICABLE FORMS	9b. AMSC NUMBER
		N6746

10. PREPARATION INSTRUCTIONS

10.1 Reference documents. The applicable issue of the documents cited herein, including the approval dates of any applicable amendments, notices, and revisions, shall be as specified in the contract.

10.2 Format. The Test Design and Assessment Report shall be in the contractor's format.

10.3 Content Requirements. The content of the Test Design and Assessment Report shall be prepared in accordance with MIL-STD-2165A, Task 203, and shall include the following:

10.3.1 A brief description of the functional operation of the system and of each item.

10.3.2 A description of system maintenance and support concept.

10.3.3 Specific Content Requirements. The specific content requirements shall include:

10.3.3.1 Identification of mission requirements and operational constraints that directly or indirectly necessitate diagnostic needs.

(Continued on page 2)

11. DISTRIBUTION STATEMENT

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

BLOCK 10. PREPARATION INSTRUCTIONS (Continued)

10.3.3.2 For each item to be included in this analysis, a definition of predominant failure modes to be tested, a prediction built-in test fault detection and fault isolation effectiveness and identification of areas that require additional testing.

10.3.3.3 Prediction of built-in test fault detection, fault isolation, and false alarm characteristics at the system level.

10.3.3.4 Prediction of test effectiveness for each item designed as a unit under test.

10.3.3.5 Confirmation of vertical test traceability and design integration.

10.3.3.6 Estimation of costs associated with the incorporation of built-in test and testability features, including developmental costs and recurring costs.