

<b>DATA ITEM DESCRIPTION</b>			<i>Form Approved</i> <b>OMB No. 0704-0188</b>	
Public reporting burden for the collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of the collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.				
1. TITLE <b>TEST DESIGN AND ASSESSMENT REPORT</b>		2. IDENTIFICATION NUMBER <b>DI-ATTS-81273</b>		
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) <b>920612</b>	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)  <b>SH</b>	6a. DTIC APPLICABLE	6b. GIDEP APPLICABLE	
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 <b>N6746</b>
10. PREPARATION INSTRUCTIONS  10.1 <u>Reference documents.</u> 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 <u>Format.</u> The Test Design and Assessment Report shall be in the contractor's format.  10.3 <u>Content Requirements.</u> 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 <u>Specific Content Requirements.</u> The specific content requirements shall include:  10.3.3.1 Identification of mission requirements and operational constraints that directly or indirectly necessitate diagnostic needs.  <div style="text-align: right;">(Continued on page 2)</div>				
11. DISTRIBUTION STATEMENT  <b>DISTRIBUTION STATEMENT A.</b> Approved for public release; distribution is unlimited.				

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**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 of 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.