

DATA ITEM DESCRIPTION			Form Approved OMB No. 0704-0188	
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1. TITLE TEST PROGRAM SET(TPS) ACCEPTANCE TEST REPORT (ATR)			2. IDENTIFICATION NUMBER DI-ATTS-80283B	
3. DESCRIPTION / PURPOSE <p>3.1 The Acceptance Test Report is a compilation of the results of the Operational Test Program Set (OTPS) and Test Program Set (TPS) tests.</p> <p>3.2 This ATR is the means by which the Government accepts Test Programs.</p>				
4. APPROVAL DATE (YYMMDD) 970211	5. OFFICE OF PRIMARY RESPONSIBILITY N/PMA-260	6a. DTIC APPLICABLE	6b. GIDEP APPLICABLE	
7. APPLICATION / INTERRELATIONSHIP <p>7.1 This 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.</p> <p>7.2 This DID is related to DI-ATTS-80281, Test Program SET (TPS) Integration Logbook and DI-ATTS-80282B, Test Program Set (TPS) Acceptance Test Procedures (ATP).</p> <p>7.3 This DID supersedes DI-ATTS-80283A.</p>				
8. APPROVAL LIMITATION		9a. APPLICABLE FORMS	9b. AMSC NUMBER N7237	
10. PREPARATION INSTRUCTIONS <p>10.1 <u>Reference Document.</u> The applicable issue of the documents cited herein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be as specified in the contract.</p> <p>10.2 <u>Format.</u> Figures 1 through 6 provide sample data sheet format.</p> <p>10.3 <u>Contents.</u></p> <p>10.3.1 <u>Test Results.</u> The ATR shall contain the results of the acceptance tests performed by the contractor to demonstrate that the OTPS (Test Programs, Interface Hardware, and documentation) conforms to the performance specifications, work authorization document, or contract requirements.</p> <p>10.3.2 <u>Data Sheets.</u> The ATR shall contain appropriate data sheets of the test results as specified in DI-ATTS-80282B, Test Program (TP) Acceptance Test Procedures (ATP's).</p> <p style="text-align: right;">(continued on page 2)</p>				
11. DISTRIBUTION STATEMENT Distribution Statement A: Approved for public release; distribution is unlimited.				

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Block 10, Preparation Instructions (continued)

10.3.3 Supplemental data. The appropriate "MATERIAL AND RECEIVING REPORT (DD FORM 250)" and any special waivers, deviations, open items, and exceptions shall be attached to the ATR.

10.3.4 Correction of deficiencies. The ATR shall specify when and how the test deficiencies will be corrected.

10.3.5 Cover sheet. The ATR shall contain a cover signature sheet for the contractor program manager, quality assurance representative, TP engineer, and the Government acceptance representative.

10.4 Acceptance test reports. ATR's shall include the results of the following TP acceptance tests:

a. First Article

- (1) Functional Configuration Audit (FCA)
- (2) Physical Configuration Audit
- (3) Transportability Demonstration
- (4) Repeatability Demonstration
- (5) Maintainability Review

b. Production units

10.4.1 The ATR shall include a narrative summary of test results.

10.4.2 Data sheets (see sample Figures 1 through 6.)

10.4.2.1 The Design Verification Test Fault Selection List data sheets shall be included as part of the ATR.

10.4.2.2 The Maintainability Review/Analysis Test Report data sheets shall be included as part of the ATR.

10.4.3 Correction of deficiencies.

10.4.4 Open items.

10.4.4.1 Recommended solutions.

10.4.4.2 Schedules for completion of open items.

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ACCEPTANCE TEST REPORT TPS, UUT, TESTER IDENTIFICATION DATA SHEET		
TPS Part Number _____ Date of Test _____		
NOMENCLATURE	PART NUMBER	SERIAL NUMBER
TEST STATION		
UUT UNDER TEST		
ID ELEMENTS SRA's, CHASSIS TEST FIXTURES CABLES, etc.		
TEST PROGRAM INSTRUCTION		
TEST PROGRAM MEDIUM		
ANCILLARY TEST EQUIPMENT		
Witness / Date Contractor Quality Assurance _____ / _____ Government Representative _____ / _____		

FIGURE 1. ATR Identification Data Sheet Sample

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ACCEPTANCE TEST REPORT SOFTWARE IDENTIFICATION DATA SHEET		
TPS Part Number _____ Date of Test _____		
NOMENCLATURE	PART NUMBER	REVISION NUMBER
OPERATING SYSTEM		
TEST EXECUTIVE		
COMPILER		
POST PROCESSOR		
ATE SELF TEST PART NUMBER		
ATPG SYSTEM		
OTHER		
Witness / Date Contractor Quality Assurance _____ / _____ Government Representative _____ / _____		

FIGURE 2. ATR Software Identification Data Sheet Sample

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ACCEPTANCE TEST REPORT TPS DVT DATA SUMMARY SHEET	
TPS Part Number _____ Date of Test _____	
SUMMARY OF RESULTS	
TPS VISUAL INSPECTION	SATISFACTORY _____ UNSATISFACTORY _____ EXPLAIN, IF NECESSARY _____ _____ _____ _____
TPS PERFORMANCE TESTS	NUMBER OF MINOR DEFECTS _____ NUMBER OF MAJOR DEFECTS _____ NUMBER OF CRITICAL DEFECTS _____
FAULT INSERTION TEST	Ft - Total Faults Inserted _____ Fs - Faults Successfully Isolated _____ Fu - Faults unsuccessfully isolated _____ $\% \text{ Isolated} = \frac{Fs}{Ft} \times 100$
Witness / Date <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="text-align: center;"> Contractor Quality Assurance </div> <div> _____ / _____ </div> </div> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="text-align: center;"> Government Representative </div> <div> _____ / _____ </div> </div>	

FIGURE 3. ATR TPS DVT Data Summary Sheet Sample

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**ACCEPTANCE TEST REPORT
TP PERFORMANCE TEST DATA SHEET
(END-TO-END RUN)**

TPS PART NUMBER _____

DATE _____

END TO END TEST RESULTS

ELAPSED TIME _____ SUCCESSFUL _____ UNSUCCESSFUL _____

DESCRIPTION OF DEFECT

CONTRACTOR, QA _____ GOVERNMENT REPRESENTATIVE _____

DESCRIPTION OF CORRECTION**END TO END RETEST RESULTS**

ELAPSED TIME _____ SUCCESSFUL _____ UNSUCCESSFUL _____

CONTRACTOR, QA _____ GOVERNMENT REPRESENTATIVE _____

FIGURE 4. ATR TPS End To End Performance Test Data Sheet Sample

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FIRST ARTICLE ACCEPTANCE TEST FAULT INSERTION DATA SHEET			
TPS PART No. _____		DATE OF TEST _____	
TPS PART No.	SUCCESSFUL MINOR DEFECT MAJOR DEFECT CRITICAL DEFECT	INITIAL TEST	RETEST
FAULT No.			
FAULT INSERTION DESCRIPTION			
FAULT INSERTION TEST RESULT			
FAILED PERFORMANCE TEST No. _____	FAILED DIAGNOSTICS TEST No. _____	REMOVE & REPLACE MESSAGE	
ELAPSED TIME _____	_____	_____	
AMBIGUITY GROUP CALLOUT SIZE _____	_____	_____	
AMBIGUITY GROUP REQUIREMENT _____	_____	_____	
DESCRIPTION OF DEFECT			
CONTRACTOR _____ DGAR _____			
DESCRIPTION OF CORRECTION			
FAULT RE-INSERTION TEST RESULT			
		DATE OF TEST _____	
FAILED PERFORMANCE TEST No. _____	FAILED DIAGNOSTICS TEST No. _____	REMOVE & REPLACE MESSAGE	
ELAPSED TIME _____	_____	_____	
AMBIGUITY GROUP CALLOUT SIZE _____	_____	_____	
AMBIGUITY GROUP REQUIREMENT _____	_____	_____	
CONTRACTOR QA _____ DGAR _____			

FIGURE 5. ATR TPS End To End Performance Test Data Sheet Sample

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ACCEPTANCE TEST REPORT TPS DOCUMENTATION REVIEW SHEET							
TPS Part Number _____			Date of Test _____				
OPERATIONAL TEST PROGRAM INSTRUCTION _____							
TEST PROGRAM INSTRUCTION _____							
	Sat	Unsat	N/A		Sat	Unsat	N/A
OTPI Title Page				Post-Testing Data			
OTPI Table of Contents				Program Termination			
OTPI Record of Revisions/Changes				Disconnect and Removal			
TPI Title Page				Instructions			
Introduction				Test Diagrams			
Revisions/Changes				Test Program Listing			
Reference Documents				Master Test Program Set Index			
List of Illustrations				TPS Hardware			
List of Tables				TPS Software			
Pre-testing Data				TPS Ancillary Equipment			
Reference Documents				Additional Data			
ATE Resources Required				Engineering Support Data			
TPS Hardware Required				Test Strategy Report			
Ancillary Equipment Required				ATPG Support Data			
Special Tools				TPS Source Files/Computer			
No-Fault End t End Run Time				Program Aids			
Precautionary Notes							
Testing Data							
Program Start Procedures							
Partition Entry Points							
Test Instructions							
UUT Parts Location							
Functional Flow Chart							
DESCRIPTION OF DEFECT							
Contractor _____ Government Representative _____							
DESCRIPTION OF CORRECTION							
Contractor _____ Government Representative _____							

FIGURE 6. ATR TPS End To End Performance Test Data Sheet Sample