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#### Key

- **E, S, O, D or N/A**
- **1. Approval**
- **2. Release**
- **3. Information/Dist. (Receipt Acknow. Required)**
- **4. Reviewed**
- **5. Reviewed w/comment**
- **6. Receipt acknowledged**

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<table>
<thead>
<tr>
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<table>
<thead>
<tr>
<th>(F)</th>
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#### Required Response Date:

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#### Notes:

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2. **1. Approval**
3. **2. Release**
5. **4. Reviewed**
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7. **6. Receipt acknowledged**

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**Data Transmitted**: HNF-SD-WM-TRP-287

**Title or Description of Data Transmitted**: DMS RELEASE 1-0 TEST REPORT

**Reason for Transmittal (G)**: Approved

**Disposition (H) & (I)**: Approved
WRAP Module 1 Data Management System
SOFTWARE TEST REPORT

JR Weidert
Rust Federal Services of Hanford, Inc., Richland, WA 99352
U.S. Department of Energy Contract DE-AC06-96RL13200

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Key Words:  W-026, DMS, SWITS, SIE, PCS, Computer

Abstract:  This document summarizes the test result information for the Data Management System (DMS). Appendix A contains test result information for all Functional Test cases and Appendix B contains the results for all the Performance Test cases.

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WRAP Module 1 Data Management System

SOFTWARE TEST REPORT

HNF-SD-WM-TRP-287
HNF-SD-WM-287, Rev 0

June 13, 1997

Issued By:
Rust Federal Services, Hanford

for the
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Richland, Washington

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Contractor Approval:
R. J. Botenus, Manager WRAP Engineering

J. R. Weidert, Computer Lead WRAP 1 Project

W. R. Thackaberry Quality Assurance

6/16/97 6/16/97 6/16/97
TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0 SUMMARY</td>
<td></td>
</tr>
<tr>
<td>1.1 Testing Conducted</td>
<td>1</td>
</tr>
<tr>
<td>1.2 Testing Environment</td>
<td>1</td>
</tr>
<tr>
<td>1.3 Phase 1 Readiness Assessment</td>
<td>2</td>
</tr>
<tr>
<td>1.4 References</td>
<td>2</td>
</tr>
<tr>
<td>2.0 VARIANCES</td>
<td>2</td>
</tr>
<tr>
<td>3.0 COMPREHENSIVE ASSESSMENT</td>
<td>5</td>
</tr>
<tr>
<td>4.0 SUMMARY OF RESULTS/EVALUATION</td>
<td>5</td>
</tr>
</tbody>
</table>
1.0 SUMMARY

1.1 Testing Conducted

The development team programmers assumed responsibility for the conduct and recording of unit testing. Once the unit tests were completed, WHC personnel conducted functional and performance testing:

**Functional Tests:** Functional tests each tested a specific software module or function, such as individual screens or a communication interfaces. The software was tested against the functional requirements, including error detection and recovery. There were a total of 33 functional test procedures.

**Performance Tests:** Performance tests provided an integrated test of the DMS modules or functions which support specific plant activities (for example, a performance test might test all aspects of DMS support to receipt of low level waste (LLW) drums for processing). Performance tests focused on a larger system operation view and were not intended to repeat the extensive testing of the individual functions as tested by the functional tests. There were a total of 11 performance test procedures.

For all tests, exceptions/discrepancies were recorded in a central discrepancy data base. Resolution actions needed were noted. When the resolution actions were completed, the test step/case was conducted again. This was repeated as often as was necessary until the discrepancy was corrected and the test step/case passed. The data base was then updated to indicate the discrepancy was closed.

Testers noted on their test procedures that a test step was passed. Once all steps in the test procedure passed, the procedure was signed off and filed in the test file.

1.2 Testing Environment

Testing was conducted on the central DMS file server, accessed from remote terminals. A separate test environment was created, with a database structure copied from the development environment. Test data was created to replicate typical test data expected during WRAP facility operations. Data was also loaded directly from the SWITS data base as will occur during actual DMS operations. Message communication with the Plant Control System (PCS), and the System Integration Equipment (SIE) was exercised using PCS and SIE simulators which could receive messages, or generate messages, as appropriate to the DMS system needs at a particular point of processing.
1.3 Phase 1 Readiness Assessment

Based on the test results, Release 1 of DMS is considered ready for plant implementation. The entire DMS system is still in a state of development, and Release 2 of DMS will be implemented at a later date. In the interim, the DMS Release 1 software will be exercised in the WRAP facility in an integrated environment with actual PCS and SIE software. This activity may lead to new discovery causing later changes to Release 1. The intent of testing to date was to gain assurance that the DMS software was ready to support this stage of development. The functional and performance test results indicate that this has been achieved.

1.4 References

a. WHC-CM-W026-SRS-001, DMS System Requirements Specifications

b. WHC-CM-W026-SDD-001, DMS System Design Document

c. DMS Phase 1 Test Plan (Attached as Appendix A).

d. Test Procedures/Test Cases

The original signed test cases are filed in the DMS Project Files and are available for review. It is not practical to include all of them in this report. They are summarized in later paragraphs of this report. Appendix D contains a typical sample of a functional and performance test procedure. The originals are available for review upon request.

e. Test Logs/Test Incident Report

Discrepancies are noted in a PARADOX data base accessible on a central file server. Discrepancy reports in Word Perfect format are also on the central file server and are available for review. Appendix E contains a typical test discrepancy report. The originals are available for review upon request.

2.0 VARIANCES

The actual sequence and schedule of the testing varied significantly from the original test plan. This was a reaction to the demands of discrepancy rework and actual development activity scheduling which impacted developer resources. However, all tests were conducted and signed off for approval.
activity scheduling which impacted developer resources. However, all tests were conducted and signed off for approval.

The following test steps were approved with exceptions. The disposition of each exception is noted:

<table>
<thead>
<tr>
<th>CASE</th>
<th>STEP</th>
<th>STEP TITLE</th>
<th>EXCEPTION</th>
<th>DISPOSITION</th>
</tr>
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<tr>
<td>DMSF-14.01 and DMSF-14.02</td>
<td>92</td>
<td>Edit PIN number displayed and confirm validity (waste drum PIN with no previous NDE records, not at NDE vault location):</td>
<td>User can modify the PIN number provided by DMSCOM for container present in the vault</td>
<td>Appears to be an ORACLE idiosyncrasy. Fix would be costly. Accept as-is</td>
</tr>
<tr>
<td>DMSF-14.01 and DMSF-14.02</td>
<td>99</td>
<td>Test [Value A] button:</td>
<td>Screen would not commit a record for an invalid PIN number (valid PIN in system but for an empty container, not for a waste container) but would not allow record to be deleted</td>
<td>Use the Menu Bar function, 'Record Clear' as a workaround and accept as-is</td>
</tr>
<tr>
<td>DMSF-15.01</td>
<td>27</td>
<td>Test Isotopic Confidence Check field for Autohint:</td>
<td>Unable to click on data field and cannot determine Autohint unless displayed PIN has CONNECT_USE_CD of 'WV'</td>
<td>Fields are not clickable because of requirement not to display the data except the 'WV' drums. No change possible with Forms 4.0 version of ORACLE. Accept as-is</td>
</tr>
<tr>
<td>DMSF-15.01</td>
<td>28</td>
<td>Test Total PE Ci field for Autohint:</td>
<td>Unable to click on data field and cannot determine Autohint unless displayed PIN has CONNECT_USE_CD of 'WV'</td>
<td>Fields are not clickable because of requirement not to display the data except the 'WV' drums. No change possible with Forms 4.0 version of ORACLE. Accept as-is</td>
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<td>EXCEPTION</td>
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<td>-----------------------------------------------------------------------------</td>
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<tr>
<td>DMSF-15.01</td>
<td>29</td>
<td>Test Total FGE field for Autohint:</td>
<td>Unable to click on data field and cannot determine Autohint unless displayed PIN has CONNECT_USE_CD of 'WV'</td>
<td>Fields are not clickable because of requirement not to display the data except the 'WV' drums. No change possible with Forms 4.0 version of ORACLE. Accept as-is</td>
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<td>Test Thermal Power field for Autohint:</td>
<td>Unable to click on data field and cannot determine Autohint unless displayed PIN has CONNECT_USE_CD of 'WV'</td>
<td>Fields are not clickable because of requirement not to display the data except the 'WV' drums. No change possible with Forms 4.0 version of ORACLE. Accept as-is</td>
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<td>DMSF-15.01</td>
<td>31</td>
<td>Test [NDS Results] button:</td>
<td>On the NDA Results pop-up, the assay date field is highlighted (PIN number should be highlighted). Inconsistent with other screens</td>
<td>Accept as-is for Phase To be Resolved after Startup if identified as a problem by OPS</td>
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<tr>
<td>DMSF-15.01</td>
<td>34</td>
<td>Test [Isotopic Data] button for selected PIN:</td>
<td>On the NDA ISO screen, the assay date field is highlighted (PIN number should be highlighted). Inconsistent with other screens</td>
<td>Accept as-is be To be Resolved after Startup if identified as a problem by OPS</td>
</tr>
<tr>
<td>DMSF-15.01</td>
<td>43</td>
<td>Test [Request Revisit] button:</td>
<td>The 'IS11 Send to SIE Complete' message is displayed on the status bar and not as a message box. Inconsistent with other messages</td>
<td>Accept as-is for Phase To be Resolved after Startup if identified as a problem by OPS</td>
</tr>
<tr>
<td>DMSF-17.03</td>
<td>15</td>
<td>Test Group field for editability, length, case restriction, and valid data values:</td>
<td>When an invalid entry is made and the LOV is canceled, message FRM-40212 is displayed in message box. Other screens display message on the status bar</td>
<td>Accept as-is for Phase To be Resolved after Startup if identified as a problem by OPS</td>
</tr>
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3.0 COMPREHENSIVE ASSESSMENT

The DMS Release 1 testing was very thorough. No approved Release 1 requirements were omitted, including final "as-built" approved design changes. All tests were considered to be comprehensive for the test step involved.

4.0 SUMMARY OF RESULTS/EVALUATION

Appendix A contains test result information for all Functional Test cases. Appendix B contains test result information for all Performance Test cases. These appendices show the test case, all of the discreet test steps which were conducted, the version number of the test case, whether the test step passed the first test or a follow-on retest, and the date the test step was signed off as being successfully passed.

Given the state of DMS development, Release 1 is considered ready for implementation in the WRAP-1 facility. It has been shown to be functional enough to support the continued planned development activities for DMS.

Risk of failure is not being assessed at this point of the DMS testing. The intent for the next phases of development is to try and cause the Release 1 software fail in order to further resolve any redesign and development requirements for Release 2. This approach permits such failures to occur in a non-critical operation environment while addressing new discovery of "real world" impacts.
APPENDIX A
Software Test Plan
WHC-SD-W026-TP-010, Rev. 0

WRAP Module 1 Data Management System

SOFTWARE TEST PLAN

WHC-SD-W026-TP-010, Rev 0

September 1, 1995

Issued By:

Westinghouse Hanford Company

for the

United States Department of Energy, Richland Operations Office
Richland, Washington

Prepared by: C. K. Rosnick, Software Engineer

Contractor Approval:

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WRAP 1 Project

J. R. Weidert, Project Engineer Date
WRAP 1 Project

R. J. Bottenus, Manager Date
New Facilities Startup

R. E. Clark, Project Manager Date
ISS Environmental Systems

D. A. Guettler, Manager Date
ISS Environmental Systems

J. R. McGee Date
Quality Assurance
## DMS SYSTEM TEST PLAN

### CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0 INTRODUCTION</td>
<td>1-11</td>
</tr>
<tr>
<td>1.1 PURPOSE</td>
<td>1</td>
</tr>
<tr>
<td>1.2 SCOPE</td>
<td>1</td>
</tr>
<tr>
<td>1.3 OVERVIEW</td>
<td>1</td>
</tr>
<tr>
<td>2.0 TEST ITEMS</td>
<td>2</td>
</tr>
<tr>
<td>3.0 FEATURES TO BE TESTED</td>
<td>3</td>
</tr>
<tr>
<td>4.0 FEATURES NOT TO BE TESTED</td>
<td>3</td>
</tr>
<tr>
<td>5.0 APPROACH</td>
<td>3</td>
</tr>
<tr>
<td>6.0 ITEM PASS/FAIL CRITERIA</td>
<td>4</td>
</tr>
<tr>
<td>7.0 SUSPENSION CRITERIA AND RESUMPTION REQUIREMENTS</td>
<td>5</td>
</tr>
<tr>
<td>8.0 TEST DELIVERABLES</td>
<td>5-16</td>
</tr>
<tr>
<td>8.1 TEST LOG</td>
<td>5</td>
</tr>
<tr>
<td>8.2 TEST PROCEDURES</td>
<td>5</td>
</tr>
<tr>
<td>8.3 DISCREPANCY REPORTS</td>
<td>5</td>
</tr>
<tr>
<td>8.4 TEST REPORTS</td>
<td>5</td>
</tr>
<tr>
<td>9.0 TESTING TASKS</td>
<td>5</td>
</tr>
<tr>
<td>10.0 ENVIRONMENTAL NEEDS</td>
<td>6</td>
</tr>
<tr>
<td>11.0 RESPONSIBILITIES</td>
<td>6-7</td>
</tr>
<tr>
<td>11.1 DMS DEVELOPERS</td>
<td>6</td>
</tr>
<tr>
<td>11.2 DMS TEST TEAMS</td>
<td>7</td>
</tr>
<tr>
<td>11.3 QUALITY ASSURANCE</td>
<td>7</td>
</tr>
<tr>
<td>12.0 STAFFING AND TRAINING</td>
<td>7-11</td>
</tr>
<tr>
<td>12.1 TEST CASE PREPARATION</td>
<td>7</td>
</tr>
<tr>
<td>12.2 SYSTEM OPERATION AND MAINTENANCE</td>
<td>7</td>
</tr>
<tr>
<td>12.3 TEST EXECUTION</td>
<td>7</td>
</tr>
<tr>
<td>13.0 SCHEDULE</td>
<td>7</td>
</tr>
<tr>
<td>14.0 RISKS AND CONTINGENCIES</td>
<td>8</td>
</tr>
<tr>
<td>15.0 REFERENCES</td>
<td>8</td>
</tr>
<tr>
<td>15.1 TRADEMARKS</td>
<td>8</td>
</tr>
<tr>
<td>16.0 GLOSSARY</td>
<td>9-14</td>
</tr>
</tbody>
</table>

**FIGURE 1:** DMS TEST LOG | 11
**FIGURE 2:** EXAMPLE TEST PROCEDURE COVER PAGE | 12
**FIGURE 3:** EXAMPLE TEST PROCEDURE DISCREPANCY REPORT | 13
**FIGURE 4:** TESTING RESPONSIBILITY MATRIX | 14
1.0 INTRODUCTION

1.1 PURPOSE

This test plan describes the scope, approach, activities, resources, and schedule for testing of the WRAP DMS software developed by BCSR for the WRAP 1 Project, W-026.

1.2 SCOPE

The scope of the testing covered under this plan is the testing to be performed prior to acceptance of the software by the WRAP 1 Project. This includes software module unit-testing, interface testing, functional testing, integration testing, and formal shop and site acceptance testing. The plan does not cover operational testing.

The software to be tested is being developed by BCSR under the WRAP Facility Module 1 DMS Software Project Management Plan (SPMP), WHC-SD-W026-SDP-001, Rev. 0, November 16, 1994. The requirements are documented in WRAP Module 1 DMS Software Requirements Specification, Rev. 0, September 19, 1994 and the software design is documented in WRAP Module 1 DMS Software Design Description, Rev. 0, March 1995.

This plan covers the testing of the set of software modules identified for DMS Phase 1 implementation in the June 1995 addendum to the SPMP. The test plan will be revised as additional modules are authorized and scheduled for implementation.

1.3 OVERVIEW

The DMS is one of the plant computer systems for the WRAP 1 facility, which is being constructed under Westinghouse Hanford Company Project W-026. It is a client server system with an HP 9000 E-35 server and IBM PC and X-terminal clients. The DMS will collect, store, and report data related to WRAP 1 receipt, processing, analysis, packaging, certification, and shipment of Hanford contact-handled retrieved and newly-generated low-level and transuranic (TRU) waste.

Waste characterization and certification data required for WRAP 1 processing will be downloaded from the Solid Waste Information and Tracking System (SWITS) when waste is received. The data will be updated on the DMS to reflect WRAP 1 processing and repacking. Data will be received from the PCS, non-destructive assay (NDA) systems, and terminals located in the process and office areas. The DMS will generate waste certification and shipping reports for WRAP 1. Waste certification and shipping data will be uploaded to SWITS when the waste is shipped. The data associated with shipped items will be stored on the DMS for several months and then archived to magnetic tape.
2.0 TEST ITEMS

The following software items are to be tested:

- DMS Communication module (DMSCOM)
- User logon and menu screens
- Receiving Screens
  - DMSS0101 Container Receiving
  - DMSS0102 Bar Code
- NDE/NDA Operations screens
  - DMSS0201 NDE
  - DMSS0202 NDA
- LLW Process Glovebox screens
  - DMSS0311 LLW Drum Status at Entry
  - DMSS0312 LLW Sorting Table
  - DMSS0315 LLW Exit Glovebox
- Data Review screens (Part)
  - DMSS1221 Processed Waste Data Review
- Shipping screens (Part)
  - DMSS0602 Loading Dock Container Shipping
- Picklist screens (except TRUPACT)
  - DMSS0901 Download Processing List
  - DMSS0902 Process Pick List
  - DMSS0903 AS/RS Storage Pick List
  - DMSS0904 AS/RS Shipping Pick List
- Facility Inventory Screens
  - DMSS1101 Radiological Inventory Summary
- Table Maintenance screens
  - DMSS0452 Location
  - DMSS0454 Profile Isotopic
  - DMSS0455 Route Description
  - DMSS0456 Shipment Picklist Description
  - DMSS0457 SIE Isotope Name
  - DMSS0458 TRU Container Code
  - DMSS0459 Field Analysis Type
  - DMSS0460 Material
  - DMSS0461 WRAP Miscellaneous
  - DMSS0462 Laboratory Analysis
  - DMSS0463 Sample Container
  - DMSS0464 Sample Matrix
  - DMSS0465 Sampling Method
  - DMSS0466 Treatment Procedure
WHC-SD-W026-TP-010, Rev. 0

- System Administration screens
  - DMSS0701 Error Messages
  - DMSS0702 User
  - DMSS0703 Role
  - DMSS0704 Screen
  - DMSS0706 User Role
  - DMSS0707 Role Screen
  - DMSS0711 Form Help

- DMS ORACLE database

3.0 FEATURES TO BE TESTED

The following features will be tested:

- Security functions (logon, database access)
- Menu functions
- Screen display of selected database information
- Database activities (add/change/delete)
- Signature password
- Pop-up screens
- Refresh button
- Logon and screen displays on PCS X-terminals
- Bar code label printing
- SWITS data download and upload
- Processing of messages to and from the PCS
- Processing of messages to and from the SIE
- Error detection and recovery
- Performance and load capabilities

4.0 FEATURES NOT TO BE TESTED

The items and features of the DMS not specifically addressed as part of this test plan are the system software (HP-UX, ORACLE, MS-DOS, MS-Windows), HLAN, WLAN, and computer-related hardware. These components are not part of the DMS software design and will not be tested separately.

5.0 APPROACH

Unit testing will be performed by the programmers as part of the software development. This testing will be performed using appropriate software stubs and test data to verify that the software will run without error, will process prescribed input data, will perform prescribed logic, and will provide prescribed output, including display screens. Prior to completion of unit testing, screens will be reviewed by the WRAP project and concurrence received on the screen layout and format. When the programmer has completed unit testing of the software item, the software will be placed under configuration control by the BCSR DMS Project Manager and available for functional testing with other software units.
Test procedures will be prepared to test communication interfaces, man/machine interfaces, security features, and system performance. The test procedures will be prepared by the WRAP 1 Project and reviewed by the DMS development team. Test databases will be established for use with the test procedures. The WRAP 1 Project will define the data required for the test databases. The BCSR DMS development team will then set up the test databases on the DMS development computer and maintain the databases under configuration control. Simulation software will be used to test communication with the PCS and the SIE. The SWITS development computer will be used to test DMS interaction with the SWITS database.

The test procedures will first be run by BCSR (dry run) on the development computer to verify that the system is ready for formal testing. The test procedures may be modified at this time to correct errors. Following the shop test dry run, a formal shop test will be performed by the WRAP Project to demonstrate that the software is ready to be installed on the plant production computer. A test report will be issued by the WRAP Project summarizing the results of the formal shop test.

Following successful execution of the shop test on the development system and acceptance of the test report by the WRAP Project, the software will be installed on the plant production computer by BCSR for formal site acceptance testing. The same test procedures will be used, except where modifications may be required to reflect differences between the development system and the plant hardware. A dry run may be run by BCSR prior to the acceptance testing by the WRAP Project. An acceptance test report will be issued by the WRAP Project summarizing the test results for the acceptance test.

6.0 ITEM PASS/FAIL CRITERIA

The test procedures will specify the "Expected Result" for each test step. Each failure to obtain an expected result will be documented on a "Test Procedure Discrepancy" report. There are two levels of discrepancy severity:

(1) A Level 1 discrepancy is a major discrepancy and system testing must be terminated until the error is corrected. This level of error will prevent further testing of the system.

(2) A Level 2 discrepancy is less severe, and system testing may continue. Level 2 procedural errors may be corrected and the test proceed.

The determination of the severity level will be made by the test director with the concurrence of the test witness.
7.0 SUSPENSION CRITERIA AND RESUMPTION REQUIREMENTS

Testing will be suspended if it is deemed necessary to replace either a hardware or software item integral to the specific test. In addition, the testing will be suspended if the software fails to provide the expected result (see Section 6.0). Testing will not be resumed until the reason for the failure has been identified and corrected. The test director, with the concurrence of the test witness, will determine whether regression testing will be performed in the event software changes are made which may impact other tests.

8.0 TEST DELIVERABLES

8.1 TEST LOG

A test log will be maintained to document the results of dry run and formal shop and site testing. (see Figure 1). The test director for each test will be responsible for updating the log.

8.2 TEST PROCEDURES

Test cases will be defined to test all of the software items and software features during system testing. Test procedures will then be prepared for each of the test cases. Definition of the test cases and preparation of the test procedures is the responsibility of the WRAP Project. An example test procedure cover sheet is shown in Figure 2.

8.3 DISCREPANCY REPORTS

A discrepancy report will be completed whenever an anomaly or problem in the system is detected during shop or acceptance testing (see Figure 3).

8.4 TEST REPORTS

The shop and site system test reports will contain all the test results and discrepancy reports. The test reports will be prepared by the WRAP Project.

9.0 TESTING TASKS

The following tasks are necessary to prepare for and perform the system and acceptance testing.

- Identify test cases
- Evaluate the SQA TeamTest automated testing tool
- Prepare test procedures
- Identify testing responsibilities
- Schedule the testing activities
- Establish the testing environment
- Perform testing
10.0 ENVIRONMENTAL NEEDS

The following hardware, software, and documentation are required to perform the DMS system acceptance testing. The test director is responsible for ensuring the required resources are available and in-place prior to the start of each test.

- HP-9000 Model 800/E35 computer
- HP-UX operating system
- ORACLE Data Base Management System software
- Five 486/66 PC computers, or equivalent (Minimum of three for system testing on development system)
- MS-DOS and MS Windows for Workgroups for the PC computers
- Two HP Laserjet printers
- One bar code printer
- Five X-terminals (Minimum of one for system testing on development system)
- LAN software and LAN access (TCP/IP)
- DMS application software
- DMS test database
- SQA TeamTest software and automated test scripts (if used)
- LAN access to SWITS development system and SWITS test database
- DMS Software Requirements Specification
- DMS Software Design Description
- DMS Test Plan
- DMS Test Procedures

11.0 RESPONSIBILITIES

11.1 DMS DEVELOPERS

The DMS developers, under the direction of the BCSR Project Manager, are responsible for providing all applications software, including security programs, scripts, and command files. They are also responsible for software unit and functional testing prior to turn over of the fully configured system for system testing. The developers will provide input and review for test plan and test procedure development, and will be available to answer questions during test execution. The DMS developers will be responsible for software configuration management and software changes required to correct test discrepancies.
11.2 DMS TEST TEAMS

The WRAP Project DMS Test Team will be responsible for overall execution and management of the formal DMS acceptance testing, including test plan development, test procedure development, scheduling, execution, and documenting each test. The WRAP Project test team is under the direction of the WRAP Project cognizant engineer.

The BCSR DMS Test Team will be responsible for execution and management of shop and site dry run testing, including test plan review, test procedure review, scheduling, execution, and documenting each test. The BCSR test team is under the direction of the BCSR DMS Project Manager.

11.3 QUALITY ASSURANCE

Quality Assurance will approve the Test Plan.

12.0 STAFFING AND TRAINING

12.1 TEST CASE PREPARATION

If the SQA TeamTest software is used, two individuals with training on the SQA TeamTest software will be required to prepare automated test scripts.

12.2 SYSTEM OPERATION AND MAINTENANCE

HP system administration support, ORACLE system administration support, LAN administration support, and DMS development team support will be required to establish the test environment and to respond to operational problems during testing.

12.3 TEST EXECUTION

A test director, test operators, and test witness will be required for test execution. The test operators must be trained in use of the DMS and the SQA TeamTest software, if used.

13.0 SCHEDULE

Test Plan Approved 9/1/95
System Test Procedures Complete 2/1/95
Unit Testing Complete 2/16/96
Shop Testing on Development System Complete 2/23/96
Software Installed on Production Hardware 3/1/96
*Shop Test Report Issued 4/1/96
*Site Acceptance Testing Complete 6/1/96
*Final Test Report Issued 7/1/96

* BCSR support not provided for these activities under Phase 1 funding.
14.0 RISKS AND CONTINGENCIES

Any delay in installation of the DMS computer system in WRAP 1 and turnover of the system for software testing will impact the acceptance testing schedule and could potentially impact the WRAP operational testing and plant startup.

15.0 REFERENCES


15.1 TRADEMARKS

A. Oracle is a trademark of Oracle Corporation, World Headquarters, 500 Oracle Parkway, Redwood Shores, CA 94063
B. TeamTest is a trademark of Software Quality Automation, Inc., 10 State Street, Woburn, MA 01801
16.0 GLOSSARY

Acceptance Testing. Formal testing conducted to determine whether or not a system satisfies its acceptance criteria and to enable the customer to determine whether or not to accept the system. (IEEE 1012-1986)

Execution Number. A sequential number signifying the number of times a test procedure has been executed. The first time a test procedure is used the execution number is one.

Functional Testing. Testing conducted to evaluate the compliance of a system or component with specified functional requirements. (IEEE 610.12-1990)

Interface Testing. Testing conducted to evaluate whether systems or components pass data and control correctly to one another. (IEEE 610.12-1990)

Integration Testing. Testing in which software components, hardware components, or both are combined and tested to evaluate the interaction between them. (IEEE 610.12-1990)

Pass/Fail Criteria. Decision rules used to determine whether a software item or a software feature passes or fails a test. (IEEE 829-1983)

Regression Testing. Selective retesting of a system or component to verify that modifications have not caused unintended effects and that the system or component still complies with its specified requirements. (IEEE 610.12-1990)

Software Item. Source code, object code, job control code, control data, or a collection of these items. (IEEE 829-1983)

System Testing. Testing conducted on a complete, integrated system to evaluate the system's compliance with its specified requirements. (IEEE 610.12-1990)

Test (Procedure) Discrepancy. An occurrence where actual output differs substantially from expected output, resulting in test failure.

Test Case. Documentation specifying inputs, predicted results, and a set of execution conditions for a test item. (IEEE 829-1983)

Test Director. The person designated to facilitate and manage testing.

Test Item. A software item which is an object of testing. (IEEE 829-1983)

Test Log. A chronological record of relevant details about the execution of tests. (IEEE 610.12-1990)

Test Operator. The person designated to prepare equipment for testing and perform Test Procedures.
Test Plan. A document describing the scope, approach, resources, and schedule of intended testing activities. It identifies test items, the features to be tested, the testing tasks, who will do each task, and any risks requiring contingency planning. (IEEE 829-1983)

Test Procedure. Documentation specifying a sequence of actions for the execution of a test. (IEEE 829-1983)

Test Report. A document that describes the conduct and results of the testing carried out for a system or component. (IEEE 610.12-1990)

Test Witness. The person designated to witness testing. The witness verifies that each test procedure step is correctly executed and that the output received from each step matches the output expected from each step. Multiple test witnesses may participate in testing.

Unit Testing. Testing of individual hardware or software units or groups of related units. (IEEE 610.12-1990)
### DMS TEST LOG

<table>
<thead>
<tr>
<th>Log Number</th>
<th>Test Description/Results</th>
<th>Test Performer</th>
<th>Date</th>
</tr>
</thead>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

**Figure 1. Example DMS Unit and Functional Test Log**
EXAMPLE TEST PROCEDURE COVER SHEET

Test Procedure Name: 

Test Procedure ID: ___________ Revision Number: ___________

Execution Number: ___________ Start Date-Time: ______________

Test Operator: _______________ End Date-Time: _______________

Witness: ______________________

Test Exceptions Recorded?  □ Yes  □ No

COMMENTS

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

TEST PROCEDURE APPROVAL

TEST  □ Successful  □ Unsuccessful

BCSR Representative: _______________ Date: _______

WHC Projects Representative: _______________ Date: _______

WHC NFS Representative: _______________ Date: _______

(NFS = New Facility Startup)

Figure 2. Example Test Procedure Cover Page
## Example Test Procedure Discrepancy Report

<table>
<thead>
<tr>
<th>Test Procedure Name:</th>
<th>Test Procedure ID:</th>
<th>Revision #:</th>
<th>Procedure Step #:</th>
<th>Execution:</th>
<th>Test Operator:</th>
<th>Date:</th>
<th>Witness:</th>
<th>Date:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Expected Result</th>
<th>Actual Result</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<tr>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**RESOLUTION:**

Date Resolved: __________

**APPROVAL OF RESOLUTION**

BCSR Representative: __________________  Date: __________

WHC Projects Representative: ________________  Date: __________

WHC NFS Representative: ________________  Date: __________

*Figure 3. Example Test Procedure Discrepancy Report*
## WRAP Module I DMS Software Testing Responsibility Matrix

### Shop Testing

<table>
<thead>
<tr>
<th>Role</th>
<th>BCSR Shop Testing (Dry Run)</th>
<th>WRAP Project Shop Testing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Director</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Test Operator(s)</td>
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<td></td>
</tr>
<tr>
<td>Test Witness</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quality Assurance</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Site Testing

<table>
<thead>
<tr>
<th>Role</th>
<th>BCSR Site Testing¹ (Dry Run)</th>
<th>WRAP Project Site Testing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Director</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Test Operator(s)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Test Witness</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quality Assurance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WHC Project Witness</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WHC N.F.S. Witness</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Figure 4. Testing responsibility matrix

¹ BCSR support of DMS Site Testing is not provided under Phase 1 funding.
APPENDIX B
Functional Test Results
<table>
<thead>
<tr>
<th>PROC #</th>
<th>PROCEDURE NAME</th>
<th>CASE #</th>
<th>STEP #</th>
<th>STEP NAME</th>
<th>REV #</th>
<th>PASS 1st TEST</th>
<th>PASS RETEST</th>
<th>COMMENTS</th>
<th>SIGNOFF DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMS-01</td>
<td>DMS/PCS Communication Interface and Associated DMSCOM Processing for DMSPCS, PCSDMS, and PCSRDMS Messages</td>
<td>01</td>
<td>1</td>
<td>Run script f01u to load data into the database. Using the PCS simulator, transmit the F01.01-1 message as defined in Appendix B</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>3/4/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>Using the PCS simulator, transmit the F01.01-2 message as defined in Appendix B</td>
<td>1</td>
<td>X</td>
<td></td>
<td>requirement deleted from SDD - step not used</td>
<td>3/21/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>Using the PCS simulator, transmit the F01.01-3 message as defined in Appendix B</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>3/4/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>Using the PCS simulator, transmit the F01.01-4 message as defined in Appendix B</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>3/4/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>Shut down the Oracle software.</td>
<td>2</td>
<td>X</td>
<td></td>
<td></td>
<td>6/3/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>6</td>
<td>Bring Oracle back up.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>3/4/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>7</td>
<td>Using the PCS simulator, transmit the F01.01-6 message as defined in Appendix B</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>3/4/96</td>
</tr>
<tr>
<td>02</td>
<td></td>
<td></td>
<td>1</td>
<td>Using the PCS simulator, transmit the F01.02-1 message as defined in Appendix B</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>3/4/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>Using the PCS simulator, transmit the F01.02-2 message as defined in Appendix B</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>3/4/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>Using the PCS simulator, transmit the F01.02-3 message as defined in Appendix B</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>3/4/96</td>
</tr>
<tr>
<td>03</td>
<td></td>
<td></td>
<td>1</td>
<td>Using the PCS simulator, transmit the F01.03-1 message as defined in Appendix B</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>3/4/96</td>
</tr>
</tbody>
</table>
### APPENDIX B: FUNCTIONAL TEST RESULTS

<table>
<thead>
<tr>
<th>PROC #</th>
<th>PROCEDURE NAME</th>
<th>CASE #</th>
<th>STEP #</th>
<th>STEP NAME</th>
<th>REV #</th>
<th>PASS 1st TEST</th>
<th>PASS RETEST</th>
<th>COMMENTS</th>
<th>SIGNOFF DATE</th>
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</thead>
<tbody>
<tr>
<td>DMS-F01</td>
<td>DMS/PCS Communication Interface and Associated DMSCOM Processing for DMSPCS, PCSDMS, and PCSRDMS Messages</td>
<td>03</td>
<td>2</td>
<td>Using the PCS simulator, transmit the F01.03-2 message as defined in Appendix B</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>3/4/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>Using the PCS simulator, transmit the two F01.03-3 messages as defined in Appendix B</td>
<td>1</td>
<td></td>
<td>X</td>
<td></td>
<td>3/21/96</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>Using the PCS simulator, transmit the F01.03-4 message as defined in Appendix B</td>
<td>1</td>
<td></td>
<td>X</td>
<td>dependent on F01-03-3</td>
<td>3/21/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>Using the PCS simulator, transmit the F01.03-5 message as defined in Appendix B</td>
<td>1</td>
<td></td>
<td>X</td>
<td>dependent on F01-03-3</td>
<td>3/21/96</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>6</td>
<td>Using the PCS simulator, transmit the F01.03-6 message as defined in Appendix B</td>
<td>1</td>
<td></td>
<td>X</td>
<td></td>
<td>3/21/96</td>
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<td></td>
<td></td>
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<td>7</td>
<td>Using the PCS simulator, transmit the F01.03-7 message as defined in Appendix B</td>
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<td>X</td>
<td></td>
<td>6/3/96</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>8</td>
<td>Using the PCS simulator, transmit the F01.03-8 message as defined in Appendix B</td>
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<td>X</td>
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<td>9</td>
<td>Using the PCS simulator, transmit the F01.03-9 message as defined in Appendix B</td>
<td>0</td>
<td></td>
<td>X</td>
<td></td>
<td>3/4/96</td>
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<tr>
<td></td>
<td></td>
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<td>Using the PCS simulator, transmit the F01.03-10 message as defined in Appendix B</td>
<td>0</td>
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<td>X</td>
<td></td>
<td>3/4/96</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>11</td>
<td>Using the PCS simulator, transmit the F01.03-11 message as defined in Appendix B</td>
<td>1</td>
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<td>X</td>
<td>test script revised</td>
<td>3/21/96</td>
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<td>12</td>
<td>Using the PCS simulator, transmit the F01.03-12 message as defined in Appendix B</td>
<td>0</td>
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<td>X</td>
<td></td>
<td>3/4/96</td>
</tr>
</tbody>
</table>
# APPENDIX B: FUNCTIONAL TEST RESULTS

**PROCEDURE NAME**
DMS/PCS Communication Interface and Associated DMSCOM Processing for DMSPCS, PCSDMS, and PCSRDMS Messages

<table>
<thead>
<tr>
<th>PROC #</th>
<th>PROCEDURE NAME</th>
<th>CASE #</th>
<th>STEP #</th>
<th>STEP NAME</th>
<th>REV #</th>
<th>PASS 1st TEST</th>
<th>PASS RETEST</th>
<th>COMMENTS</th>
<th>SIGNOFF DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMS-F01</td>
<td>DMS/PCS Communication Interface and Associated DMSCOM Processing for DMSPCS, PCSDMS, and PCSRDMS Messages</td>
<td>04</td>
<td>1</td>
<td>Using the PCS simulator, transmit the F01.04-1 message as defined in Appendix B</td>
<td>1</td>
<td>X</td>
<td></td>
<td></td>
<td>3/21/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>Using the PCS simulator, transmit the F01.04-2 message as defined in Appendix B</td>
<td>1</td>
<td>X</td>
<td></td>
<td></td>
<td>3/21/96</td>
</tr>
<tr>
<td></td>
<td></td>
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<td>Using the PCS simulator, transmit the F01.04-3 message as defined in Appendix B</td>
<td>1</td>
<td>X</td>
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<td></td>
<td>3/21/96</td>
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<td></td>
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<td>Using the PCS simulator, transmit the F01.04-4 message as defined in Appendix B</td>
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<td>X</td>
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<td></td>
<td>3/21/96</td>
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<tr>
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<td>Using the PCS simulator, transmit the F01.04-5 message as defined in Appendix B</td>
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<td></td>
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<td></td>
<td>9</td>
<td>Using the PCS simulator, transmit the F01.04-9 message as defined in Appendix B</td>
<td>2</td>
<td>X</td>
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<td>6/3/96</td>
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<td>Using the PCS simulator, transmit the F01.04-10 messages as defined in Appendix B</td>
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<td></td>
<td>6/3/96</td>
</tr>
<tr>
<td></td>
<td></td>
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<td>Using the PCS simulator, transmit the F01.04-11 message as defined in Appendix B</td>
<td>2</td>
<td>X</td>
<td></td>
<td></td>
<td>6/3/96</td>
</tr>
</tbody>
</table>

**B-3**
## APPENDIX B: FUNCTIONAL TEST RESULTS

<table>
<thead>
<tr>
<th>PROC #</th>
<th>PROCEDURE NAME</th>
<th>CASE #</th>
<th>STEP #</th>
<th>STEP NAME</th>
<th>REV #</th>
<th>PASS 1st TEST</th>
<th>PASS RETEST</th>
<th>COMMENTS</th>
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<td>DMS-F01</td>
<td>DMS/PCS Communication Interface and Associated DMSCOM Processing for DMSPCS, PCSDMS, and PCSDMS Messages</td>
<td>04</td>
<td>12</td>
<td>Using the PCS simulator, transmit the F01.04-12 message as defined in Appendix B</td>
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<td>1</td>
<td>Using the PCS simulator, transmit the F01.05-1 message as defined in Appendix B</td>
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<td>Using the PCS simulator, transmit the F01.05-2 messages as defined in Appendix B</td>
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<td>Using the PCS simulator, transmit the F01.05-3 messages as defined in Appendix B</td>
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<td>Using the PCS simulator, transmit the F01.05-4 message as defined in Appendix B</td>
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<td>Using the PCS simulator, transmit the F01.05-5 message as defined in Appendix B</td>
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<td>Using the PCS simulator, transmit the F01.05-6 message as defined in Appendix B</td>
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<td>7</td>
<td>Using the PCS simulator, transmit the F01.05-7 message as defined in Appendix B</td>
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<td>8</td>
<td>Provide multiple messages to DMSCOM using both the PCS and SIE simulator (see F01-05-8 in Appendix B)</td>
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<td>DMS/SIE Communication Interface and Associated DMSCOM Processing for DMSSIE DD, DMSRSIE, and SIEDMS Messages</td>
<td>01</td>
<td>1</td>
<td>Using the PCS simulator, transmit the F04.01-1 message as defined in Appendix B</td>
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<td>STEP #</td>
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<td>DMS/SIE Communication Interface and Associated DMSCOM Processing for DMSSIE DD, DMSRSIE, and SIEDMS Messages</td>
<td>01</td>
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<td>Using the PCS simulator, transmit the F04.01-2 message as defined in Appendix B</td>
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<td>Using the PCS simulator, transmit the F04.01-3 message for drum TST-F04-WV-13A as defined in Appendix B</td>
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<td>X</td>
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<td>Using the PCS simulator, transmit the F04.01-4 message for drum TST-F04-WV-13B as defined in Appendix B</td>
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<td>5</td>
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<td>Using the PCS simulator, transmit the F04.01-5 message as defined in Appendix B to test the transmittal of SIE data for 55-gallon waste drums overpacked in 85-g</td>
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<td>X</td>
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<td>6</td>
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<td>Using the PCS simulator, transmit the F04.01-6 message as defined in Appendix B to test the transmittal of SIE data for 55-gallon waste drums which are not over</td>
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<td>Using the PCS simulator, transmit the F04.01-8 message as defined in Appendix B</td>
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<td>02</td>
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<td>Using the PCS simulator, transmit the F04.02-1 message as defined in Appendix B</td>
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### PROCEDURE NAME

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<td>DMS/ SIE Communication Interface and Associated DMSCOM Processing for DMSSIE DD, DMSRSIE, and SIEDMS Messages</td>
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<td>Using the PCS simulator, transmit the FO4.02-1 message as defined in Appendix B</td>
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<td>Using the SIE simulator, transmit the FO4.03-1 message as defined in Appendix B to check for criticality message transmittal</td>
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<td>Using the SIE simulator, transmit the FO4.03-2 message as defined in Appendix B to verify SIE status messaging functionality</td>
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<td>Using the SIE simulator, transmit the FO4.03-3 message as defined in Appendix B to simulate the transmittal of LLW assay results from the SIE</td>
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<td>Using the SIE simulator, transmit the FO4.03-4 message as defined in Appendix B to simulate the transmittal of TRU assay results from the SIE</td>
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<td>Using the SIE simulator, transmit the FO4.03-05 message as defined in Appendix B</td>
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<td>DMS-F11</td>
<td>User Logon and Main Menu Screens</td>
<td>01</td>
<td>1</td>
<td>Display the Oracle Logon window.</td>
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<td>2/27/96</td>
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<td>2</td>
<td>Logon to DMS system as a user with test role UPDATE privileges.</td>
<td>0</td>
<td>X</td>
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<td>2/27/96</td>
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<tr>
<td>PROC #</td>
<td>PROCEDURE NAME</td>
<td>CASE #</td>
<td>STEP #</td>
<td>STEP NAME</td>
<td>REV #</td>
<td>PASS 1st TEST</td>
<td>PASS RETEST</td>
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<td>DMS-F11</td>
<td>User Logon and Main Menu Screens</td>
<td>01</td>
<td>3</td>
<td>Verify that the proper screen is displayed with the proper attributes.</td>
<td>0</td>
<td>X</td>
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<td>2/27/96</td>
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<td></td>
<td></td>
<td>4</td>
<td>Exit the DMS system.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/27/96</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>Logon to DMS system as a user (USER1) with test role UPDATE privileges.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>4/3/96</td>
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<tr>
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<td></td>
<td></td>
<td>2</td>
<td>Enter the Container Receiving screen (DMSS0101) and perform the following tests.</td>
<td>0</td>
<td>X</td>
<td></td>
<td>WHC revised test proe to match approved design</td>
<td>4/4/96</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>Test the [Insert], [Commit], and [Delete] button operability and Outer PIN, Inner PIN, Error Status, and Signature Password fields.</td>
<td>1</td>
<td>X</td>
<td></td>
<td></td>
<td>4/19/96</td>
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<td></td>
<td>4</td>
<td>Test wrong Signature Password and [Exit] button.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>4/3/96</td>
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<tr>
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<td></td>
<td></td>
<td>5</td>
<td>Test [Next Receipt], [Previous Receipt], and [Select Receipt] buttons and &quot;Receipt #&quot; field.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>4/3/96</td>
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<tr>
<td></td>
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<td></td>
<td>6</td>
<td>Test the [&lt;], [&gt;] (&lt; &lt; &gt;), and [&gt;] buttons.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>4/3/96</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>7</td>
<td>Test the [Confirm Data] button.</td>
<td>2</td>
<td>X</td>
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<td>4/22/96</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>8</td>
<td>Test the Rad Inv Alarm check when [Confirm Data] button is used.</td>
<td>2</td>
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<td>9</td>
<td>Test the [Request Cert Data] button.</td>
<td>2</td>
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<td>10</td>
<td>Test the functionality of &quot;Labels&quot; selection on DMSS0101 menu.</td>
<td>0</td>
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<td>CASE #</td>
<td>STEP #</td>
<td>STEP NAME</td>
<td>REV #</td>
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<td>PASS RETEST</td>
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<td>DMS-F12</td>
<td>Container Receiving screen (DMSS0101)</td>
<td>01</td>
<td>11</td>
<td>Exit the screen and the DMS system.</td>
<td>0</td>
<td>X</td>
<td>X</td>
<td></td>
<td>4/3/96</td>
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<td></td>
<td></td>
<td>12</td>
<td>Exit the screen and the DMS system.</td>
<td>0</td>
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<tr>
<td>DMS-F13</td>
<td>Bar Code Generator screen (DMSS0102)</td>
<td>01</td>
<td>01</td>
<td>Logon to DMS system as a user (USER1) with test role UPDATE privileges.</td>
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<td>02</td>
<td>Enter the DMSS0102 Bar Code Generator screen and perform the following tests.</td>
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<td>03</td>
<td>Print a barcode</td>
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<td>8/9/96</td>
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<td>04</td>
<td>Test the [EXIT] button.</td>
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<td>3/26/96</td>
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<td>05</td>
<td>Exit the DMS system.</td>
<td>0</td>
<td>X</td>
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<td>DMS-F14</td>
<td>NDE screen (DMSS0201)</td>
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<td>01</td>
<td>Load Data Script F14.01-01U.</td>
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<td>X</td>
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<td>02</td>
<td>Logon to DMS system as a user (USER1) with test role UPDATE privileges.</td>
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<td>Select the NDE screen (DMSS0201) from the DMS Main Menu:</td>
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<td></td>
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<td></td>
<td>04</td>
<td>Test NDE Results PIN field for required or optional entry:</td>
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<td>05</td>
<td>Test NDE Results PIN field for updatability, case restriction, format, length, and valid value:</td>
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<td>6/20/96</td>
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<td></td>
<td></td>
<td></td>
<td>06</td>
<td>Enter NDE Results PIN which has previous NDE results:</td>
<td>0</td>
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<td>07</td>
<td>Test [&lt;] and [&gt;] buttons for entered PIN:</td>
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<td>X</td>
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<td>PROCEDURE NAME</td>
<td>CASE #</td>
<td>STEP #</td>
<td>STEP NAME</td>
<td>REV #</td>
<td>PASS 1st TEST</td>
<td>PASS RETEST</td>
<td>COMMENTS</td>
<td>SIGNOFF DATE</td>
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<td>DMS-F14</td>
<td>NDE screen (DMSS0201)</td>
<td>01</td>
<td>8</td>
<td>Enter another NDE Results PIN which has previous NDE results:</td>
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<td>9</td>
<td>Test [Exit] button for prompt to commit changes:</td>
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<td>Test [Waste Record] button; no NDE Results PIN displayed:</td>
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<td>Test [PhysComp] button; no NDE Results PIN displayed:</td>
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<td>Test [Rad Detail] button; no NDE Results PIN displayed:</td>
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<td>13</td>
<td>Select Previous NDE Results Drum PIN:</td>
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<td>14</td>
<td>Test [&lt; &lt;] and [&gt;] buttons for selected PIN:</td>
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## APPENDIX B: FUNCTIONAL TEST RESULTS

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<th>STEP #</th>
<th>STEP NAME</th>
<th>REV #</th>
<th>PASS 1st TEST</th>
<th>PASS RETEST</th>
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<td>CASE #</td>
<td>STEP #</td>
<td>STEP NAME</td>
<td>REV #</td>
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<td>PASS RETEST</td>
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## APPENDIX B: FUNCTIONAL TEST RESULTS

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<th>CASE #</th>
<th>STEP #</th>
<th>STEP NAME</th>
<th>REV #</th>
<th>PASS 1st TEST</th>
<th>PASS RETEST</th>
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<th>SIGNOFF DATE</th>
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<td>DMSCOM CL messages received - PIN TST-F14-WP-004 at Vault A, PIN 'TST-F14-OD-002' at Vault B, PIN 'TST-F14-PD-005' at Vault B:</td>
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<td>REV #</td>
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<td>PASS RETEST</td>
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<td>Test 'Box' radio button:</td>
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<td>Test screen for scrolling through records:</td>
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<td>Test Delete function:</td>
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<td>Test Current NDE Results display for selection of newest container at location:</td>
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## APPENDIX B: FUNCTIONAL TEST RESULTS

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<th>PROCEDURE NAME</th>
<th>STEP #</th>
<th>STEP NAME</th>
<th>REV #</th>
<th>PASS 1st TEST</th>
<th>PASS RETEST</th>
<th>COMMENTS</th>
<th>SIGNOFF DATE</th>
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<td>DMSCOM CL messages received - PIN 'TST-F14-EC-001' at Vault A, PIN 'TST-F14-WP-002' at Vault B, PIN 'TST-F14-WP-007' at Box NDE, 'TST-F14-BX-002' in transit, 'T</td>
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<td>Test Current NDE Results display for selection of newest container at location:</td>
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<td>View previous NDE results for box records:</td>
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<td>Test Previous Box Results to insert a record:</td>
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<td>View previous NDE results for drum records:</td>
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<td>Test arrow keys for scrolling in Previous NDE Results block:</td>
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<td>Test [&lt;][&gt;] [&lt;][&gt;] buttons in Previous NDE Results block:</td>
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<td>CASE #</td>
<td>STEP P #</td>
<td>STEP NAME</td>
<td>REV #</td>
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<td>PASS RETEST</td>
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<td>Edit PIN number displayed and confirm validity (waste drum PIN with no previous NDE records, not at NDE vault location):</td>
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<td>Edit PIN number displayed and confirm validity (Box PIN with previous NDE records):</td>
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<td>Edit PIN number displayed and confirm validity (Waste drum PIN with previous NDE records):</td>
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<td>Edit PIN number displayed and confirm validity (PIN with no previous NDE records, use code 'EC', currently at Vault A location):</td>
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<td>Test [Exit] button:</td>
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<td>Test [Vault A] button:</td>
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<td>Test [PhysComp] button (Current NDE Item is empty drum):</td>
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**PROCEDURE NAME** | **STEP #** | **STEP NAME** | **REV #** | **PASS 1ST TEST** | **PASS RETEST** | **COMMENTS** | **SIGNOFF DATE** |
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<td>Test [Rad Detail] button (Current NDE item is empty drum):</td>
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<td>DMSCOM CL messages received - PIN 'TST-F14-EC-001' at Empty Container Storage, PIN 'TST-F14-WP-002' at AS/RS:</td>
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<td>Test [Box] button:</td>
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<td>Confirm validity of current PIN (drum PIN at Box location):</td>
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<td>107</td>
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<td>108</td>
<td>Exit the DMS system.</td>
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<td>109</td>
<td>Perform post-test database query 'f14.01q a'.</td>
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<td>Close test database, DMSCOM, and PCS simulator Dynacomm instances.</td>
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<td>Load Data Script F14.02-01U.</td>
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<td>Logon to DMS system as a user (USER1) with test role UPDATE privileges.</td>
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<td>Select the NDE screen (DMSS0201) from the DMS Main Menu:</td>
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<td>Test NDE Results PIN field for required or optional entry:</td>
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## DMS PHASE 1 TEST REPORT
### APPENDIX B: FUNCTIONAL TEST RESULTS

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<th>PROC #</th>
<th>PROCEDURE NAME</th>
<th>CASE #</th>
<th>STEP #</th>
<th>STEP NAME</th>
<th>REV #</th>
<th>PASS 1ST TEST</th>
<th>PASS RETEST</th>
<th>COMMENTS</th>
<th>SIGNOFF DATE</th>
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<td>DMS-F14</td>
<td>NDE screen (DMSS0201)</td>
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<td>Test NDE Results PIN field for updatability, case restriction, format, length, and valid value:</td>
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<td>Enter NDE Results PIN which has previous NDE results:</td>
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<td>Test [&lt;] and [&gt;] buttons for entered PIN:</td>
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<td>Enter another NDE Results PIN which has previous NDE results:</td>
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<td>9</td>
<td>Test [Exit] button for prompt to commit changes:</td>
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<td>Test [Waste Record] button; no NDE Results PIN displayed:</td>
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<td>Test [PhysComp] button; no NDE Results PIN displayed:</td>
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<td>13</td>
<td>Select Previous NDE Results Drum PIN:</td>
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<td>Test [&lt; &lt;] and [ &gt; &gt;] buttons for selected PIN:</td>
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<td>Enter new record for selected PIN:</td>
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<td>Test up and down arrow keys to view records for selected PIN (F14-TST-WP-005):</td>
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B-21
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<th>STEP NAME</th>
<th>REV #</th>
<th>PASS 1st TEST</th>
<th>PASS RETEST</th>
<th>COMMENTS</th>
<th>SIGNOFF DATE</th>
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<td>Select another drum PIN from View Previous NDE Results list:</td>
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<td>Test [Commit] button:</td>
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<td>Test [Waste Record] button for selected PIN (F14-TST-PD-002):</td>
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<td>Test Primary Waste Type field for Autohint and updatability:</td>
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## APPENDIX B: FUNCTIONAL TEST RESULTS

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<th>PROC #</th>
<th>PROCEDURE NAME</th>
<th>CASE #</th>
<th>STEP #</th>
<th>STEP NAME</th>
<th>REV #</th>
<th>PASS 1ST TEST</th>
<th>PASS RETEST</th>
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<td>Test Secondary PIN field for Autohint and updatability:</td>
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<td>CASE #</td>
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### Appendix B: Functional Test Results

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### DMS PHASE 1 TEST REPORT

### APPENDIX B: FUNCTIONAL TEST RESULTS

#### APPENDIX B FUNCTIONAL TEST RESULTS

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<th>STEP #</th>
<th>STEP NAME</th>
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<td>Test Current NDE Results display for selection of newest container at location:</td>
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<td>DMSCOM CL messages received - PIN 'TST-F14-EC-001' at Vault A, PIN 'TST-F14-WP-002' at Vault B, PIN 'TST-F14-WP-007' at Box NDE, 'TST-F14-BX-002' in transit, 'T</td>
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<td>View previous NDE results for box records:</td>
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<td>Edit PIN number displayed and confirm validity (waste drum PIN with no previous NDE records, not at NDE vault location):</td>
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## APPENDIX B: FUNCTIONAL TEST RESULTS

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<th>CASE #</th>
<th>STEP #</th>
<th>STEP NAME</th>
<th>REV #</th>
<th>PASS 1st TEST</th>
<th>PASS RETEST</th>
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<td>NDE screen (DMS0201)</td>
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<td>Load Data Script F14.02-103U</td>
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<td>104</td>
<td>DMSCOM CL messages received - PIN 'TST-F14-EC-001' at Empty Container Storage, PIN 'TST-F14-WP-002' at AS/RS.</td>
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<td>Confirm validity of current PIN (drum PIN at Box location):</td>
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<td>Exit the DMS system.</td>
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<td>Perform post-test database query 'f14.02q a'.</td>
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<td>110</td>
<td>Close test database, DMSCOM, and PCS simulator Dynacomm instances.</td>
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### DMS PHASE 1 TEST REPORT
**APPENDIX B: FUNCTIONAL TEST RESULTS**

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<tr>
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<th>PROCEDURE NAME</th>
<th>CASE #</th>
<th>STEP #</th>
<th>STEP NAME</th>
<th>REV #</th>
<th>PASS 1st TEST</th>
<th>PASS RETEST</th>
<th>COMMENTS</th>
<th>SIGNOFF DATE</th>
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<tbody>
<tr>
<td>DMS-F15</td>
<td>NDA screen (DMSS0202)</td>
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<td>Load Data Script F15.01-01U</td>
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<td>Logon to DMS system as a user (USER1) with test role UPDATE privileges.</td>
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<td>Test PIN field for required or optional entry:</td>
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<td>Test [List of Values] button for PIN field:</td>
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<td>Test up and down arrow navigational keys for selected PIN:</td>
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<td>Test tabbing sequence; test Outer Drum PIN field for Autohint:</td>
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## APPENDIX B: FUNCTIONAL TEST RESULTS

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<th>STEP NAME</th>
<th>REV #</th>
<th>PASS 1st TEST</th>
<th>PASS RETEST</th>
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<th>SIGNOFF DATE</th>
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<tr>
<td>DMS-F15</td>
<td>NDA screen (DMSS0202)</td>
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B-34
## DMS Phase 1 Test Report

### Appendix B: Functional Test Results

**Doc Number**: HNF-SD-WM-TRP-287  
**Revision**: 0  
**Date**: 9/27/96

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<th>STEP #</th>
<th>STEP NAME</th>
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### APPENDIX B: FUNCTIONAL TEST RESULTS

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## Appendix B: Functional Test Results

### DOC NUMBER: HNF-SD-WM-TRP-287

**Revision:** 0  
**Date:** 9/27/96

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<th>STEP P #</th>
<th>STEP NAME</th>
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<th>PASS RETEST</th>
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<td>CASE #</td>
<td>STEP #</td>
<td>STEP NAME</td>
<td>REV #</td>
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<td>PASS RETEST</td>
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<td>SIGNOFF DATE</td>
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<td>NDA screen (DMSS0202)</td>
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<td>Test record scrolling function for Isotope records:</td>
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<td>Test for insert of isotope record:</td>
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<td>Test 'Drum' radio button:</td>
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<td>Test Exit button with uncommitted changes:</td>
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<td>Test [Request Revisit] button:</td>
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<td>46</td>
<td>Re-Enter Signature Password:</td>
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<td>Start DMSCOM in its own Dynacomm screen by typing 'tstdmscom' at the Dynacomm prompt.</td>
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## DMS PHASE 1 TEST REPORT

### APPENDIX B: FUNCTIONAL TEST RESULTS

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<th>CASE #</th>
<th>STEP #</th>
<th>STEP NAME</th>
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<th>PASS</th>
<th>PASS</th>
<th>RETEST</th>
<th>COMMENTS</th>
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<td>Test Profile ID field for format, length, and case restriction:</td>
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<td>Enter Signature Password; test Commit function:</td>
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<td>CASE #</td>
<td>STEP #</td>
<td>STEP NAME</td>
<td>REV #</td>
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<td>PASS RETEST</td>
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<td>Enter Signature Password; test Commit function:</td>
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<td>Select another PIN:</td>
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<td>Select another PIN:</td>
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<td>Test [Exit] button:</td>
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<td>71</td>
<td>Exit the DMS system.</td>
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<td>Run post-test query 'f15.01q a'.</td>
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<td>73</td>
<td>Shut down SIE simulator.</td>
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<p>| DMS-F16| LLW Drum Status at Entry (DMSS0311) | 01 | 1 | Logon to DMS system as a user (USER1) with test role UPDATE privileges. | 0 | X | | | 3/22/96 |
|        |                                         |    | 2 | Enter the LLW Drum Status at Entry screen (DMSS0311) and perform the following tests. | 0 | X | | | 3/22/96 |
|        |                                         |    | 3 | Test the [EXIT] button.                                 | 0 | X | | | 3/22/96 |
|        |                                         |    | 4 | Run script (f16.01-04a) to change the location of drum TST-F16-OP-002 from LLW_ENTRY to LLW_EXIT. | 0 | X | | | 3/22/96 |</p>
<table>
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<tr>
<th>PROC #</th>
<th>PROCEDURE NAME</th>
<th>CASE #</th>
<th>STEP #</th>
<th>STEP NAME</th>
<th>REV #</th>
<th>PASS 1st TEST</th>
<th>PASS RETEST</th>
<th>COMMENTS</th>
<th>SIGNOFF DATE</th>
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<td>LLW Drum Status at Entry (DMSS0311)</td>
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<td>5</td>
<td>Enter the LLW Drum Status at Entry screen (DMSS0311) and verify the correct drum is displayed.</td>
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<td>3/22/96</td>
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<td>Run script (f16.01-06u) to change the location of drum TST-F16-WP-003 from LLW_ENTRY to LLW_EXIT.</td>
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<td>Enter the LLW Drum Status at Entry screen (DMSS0311) and verify the correct drum is displayed.</td>
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<td>3/22/96</td>
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<td>Run script (f16.01-08u) to change the location of drum TST-F16-OP-007 from LLW_ENTRY to LLW_EXIT.</td>
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<td>Enter the LLW Drum Status at Entry screen (DMSS0311) and verify the correct drum is displayed.</td>
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<td>Run script (f16.01-10u) to change the location of drum TST-F16-OP-009 from LLW_ENTRY to LLW_EXIT.</td>
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B-48
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<th>STEP #</th>
<th>STEP NAME</th>
<th>REV #</th>
<th>PASS 1ST TEST</th>
<th>PASS RETEST</th>
<th>COMMENTS</th>
<th>SIGNOFF DATE</th>
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<td>Run WRESTORE.</td>
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## DMS Phase 1 Test Report

### Appendix B: Functional Test Results

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### APPENDIX B: FUNCTIONAL TEST RESULTS

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## Appendix B: Functional Test Results

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<th>CASE #</th>
<th>STEP #</th>
<th>STEP NAME</th>
<th>REV #</th>
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<th>PASS RETEST</th>
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B-54
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B-55
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<td>Re-enter the LLW Sorting Table screen (DMSS0312) from the DMS Main Menu; verify that correct data set is displayed:</td>
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<td>Re-enter Chemical Component Screen:</td>
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<td>Exit the DMS system.</td>
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## Appendix B: Functional Test Results

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<th>STEP #</th>
<th>STEP NAME</th>
<th>REV #</th>
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<th>PASS RETEST</th>
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<td>Test [&lt;] button in Loadout Drum block; screen displays data for PIN provided by DMSCOM with location at LLW_EXIT:</td>
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## DMS PHASE 1 TEST REPORT

### APPENDIX B: FUNCTIONAL TEST RESULTS

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<th>PASS RETEST</th>
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<td></td>
<td></td>
<td>66</td>
<td>Test [&gt;] button in Loadout Drum block; screen displays data for PIN retrieved by query:</td>
<td>0</td>
<td></td>
<td>OPEN</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>67</td>
<td>Modify Loadout Drum PIN data:</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td>7/31/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>68</td>
<td>Enter Signature Password and test for prompt for uncommitted changes on Exit:</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td>7/31/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>69</td>
<td>Exit the DMS system.</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td>7/31/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>70</td>
<td>Run post-test query 'f18.03q a'.</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td>7/31/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>71</td>
<td>Exit from DynaComm instance.</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td>7/31/96</td>
</tr>
<tr>
<td>DMS-F19</td>
<td>Loading Dock Container Shipping screen (DMSS0602)</td>
<td>01</td>
<td>1</td>
<td>Logon to DMS system as a user (USER1) with test role UPDATE privileges.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>5/31/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>Enter the Loading Dock Container Shipping screen (DMSS0602) and perform the following tests.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>5/31/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>Test field validation for Shipment Container block fields PIN, WRAP Location, TRU/LLW, Waste Subcat., Storage Category.</td>
<td>1</td>
<td>X</td>
<td></td>
<td></td>
<td>7/09/96</td>
</tr>
</tbody>
</table>

B-63
<table>
<thead>
<tr>
<th>PROC #</th>
<th>PROCEDURE NAME</th>
<th>CASE #</th>
<th>STEP #</th>
<th>STEP NAME</th>
<th>REV #</th>
<th>PASS 1st TEST</th>
<th>PASS RETEST</th>
<th>COMMENTS</th>
<th>SIGNOFF DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMS-F19</td>
<td>Loading Dock Container Shipping screen (DMSS0602)</td>
<td>01</td>
<td>4</td>
<td>Test shipment selection using [List of Values] button.</td>
<td>1</td>
<td></td>
<td>X</td>
<td></td>
<td>7/09/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>Test the [&lt;], [&gt;], [&lt; &lt;], and [ &gt; &gt;] buttons.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>5/31/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>6</td>
<td>Test the [Send Shipment Picklist to PCS] and [Refresh Location] buttons.</td>
<td>1</td>
<td></td>
<td>X</td>
<td></td>
<td>7/09/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>7</td>
<td>Test [In Transit] button process for shipment with SWITS edit check errors</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>5/31/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>8</td>
<td>Test [Update SWITS] button.</td>
<td>1</td>
<td></td>
<td>X</td>
<td></td>
<td>7/09/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>9</td>
<td>Test [In Transit] button process for shipment with no SWITS edit check errors</td>
<td>1</td>
<td></td>
<td>X</td>
<td></td>
<td>7/09/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10</td>
<td>Exit the screen and the DMS system.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>5/31/96</td>
</tr>
<tr>
<td>DMS-F20</td>
<td>Processing List Additions screen (DMSS0901)</td>
<td>01</td>
<td>1</td>
<td>Logon to DMS system as a user (USER1) with test role UPDATE privileges.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/27/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>Enter the Processing List Additions screen (DMSS0901) and perform the following tests</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/27/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>Test field validation for Seq, PIN, Route, Sample, Compliant, and Profile fields</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/27/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>Test the [Insert] and [Delete] button operability.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/27/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>Test the [ &gt;], [ &lt; ], [ &gt; &gt; ], and [ &lt; &lt; ] buttons.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/27/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>6</td>
<td>Test the [List of Values] button.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/27/96</td>
</tr>
</tbody>
</table>

B-64
<table>
<thead>
<tr>
<th>PROC #</th>
<th>PROCEDURE NAME</th>
<th>CASE #</th>
<th>STEP #</th>
<th>STEP NAME</th>
<th>REV #</th>
<th>PASS 1st TEST</th>
<th>PASS RETEST</th>
<th>COMMENTS</th>
<th>SIGNOFF DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMS-F20</td>
<td>Processing List Additions screen (DMSS0901)</td>
<td>01</td>
<td>7</td>
<td>Test the [Rsequence] and [Reorder and Commit] buttons.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/27/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>8</td>
<td>Test that [Add to Process List] button appends data to the end of the PROCLIST table.</td>
<td>0</td>
<td>OPEN</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>9</td>
<td>Test that [Add to Process List] button deleted data from the PROCADD table.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/27/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10</td>
<td>Test that [Add to Process List] button overwrites existing PINs on the PROCLIST table.</td>
<td>0</td>
<td>OPEN</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>11</td>
<td>Exit the screen and the DMS system.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/27/96</td>
</tr>
<tr>
<td>DMS-F21</td>
<td>Process List screen (DMSS0902)</td>
<td>01</td>
<td>1</td>
<td>Logon to DMS system as a user (USER1) with test role UPDATE privileges.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>4/2/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>Enter the Process List screen (DMSS0902) and perform the following tests.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>4/2/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>Test the [&lt;], [&gt;], [&lt; &lt;], and [&gt; &gt;] buttons on Process List block.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>4/2/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>Test the [&lt;], [&gt;], [&lt; &lt;], and [&gt; &gt;] buttons on Not On Process List block.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>4/2/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>Test field validation for Seq, PIN, Location, Bin, Route, Sample, Compliant, and Profile fields in the Process List block.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>4/2/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>6</td>
<td>Test Not On Process List block field validation for PIN, Location, and Bin fields.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>4/2/96</td>
</tr>
</tbody>
</table>

B-65
### PROCEDURE NAME

#### DMS-F21

**Process List screen (DMSS0902)**

<table>
<thead>
<tr>
<th>CASE #</th>
<th>STEP #</th>
<th>STEP NAME</th>
<th>REV #</th>
<th>PASS 1ST TEST</th>
<th>PASS RETEST</th>
<th>COMMENTS</th>
<th>SIGNOFF DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>7</td>
<td>Test [Exit] and [Delete] buttons and the signature password field operability</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>4/2/96</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>Test [List of Values] button operability.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>4/2/96</td>
</tr>
<tr>
<td></td>
<td>9</td>
<td>Test [Move]-button operability.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>4/2/96</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>Test [Resequence] and [Reorder and Commit] button operability.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>4/2/96</td>
</tr>
<tr>
<td></td>
<td>11</td>
<td>Test Pick List Selection.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>4/2/96</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>Test [Send Process Pick List to PCS] button.</td>
<td>1</td>
<td>X</td>
<td></td>
<td></td>
<td>6/6/96</td>
</tr>
<tr>
<td></td>
<td>13</td>
<td>Exit the screen and the DMS system.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>4/2/96</td>
</tr>
</tbody>
</table>

#### DMS-F22

**AS/RS Storage Pick List screen (DMSS0903)**

<table>
<thead>
<tr>
<th>CASE #</th>
<th>STEP #</th>
<th>STEP NAME</th>
<th>REV #</th>
<th>PASS 1ST TEST</th>
<th>PASS RETEST</th>
<th>COMMENTS</th>
<th>SIGNOFF DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>1</td>
<td>Logon to DMS system as a user (USER1) with test role UPDATE privileges.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>4/8/96</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>Enter the AS/RS Storage Pick List screen (DMSS0903) and perform the following tests.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>4/8/96</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Test the [&lt;], [&gt;], [&lt;&lt;&gt;, and [&gt;&gt;] buttons on AS/RS Storage Pick List block.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>4/8/96</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>Test AS/RS Storage Pick List block field validation for Bin, PIN, Waste Type, LLW category, and Storage Code</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>4/8/96</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>Test Discharge Conveyor block field validation for PIN, Waste Type, LLW category, and Storage Code</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>4/8/96</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>Test [Exit] button operability</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>4/8/96</td>
</tr>
</tbody>
</table>
## APPENDIX B: FUNCTIONAL TEST RESULTS

### DMS PHASE 1 TEST REPORT

<table>
<thead>
<tr>
<th>PROC #</th>
<th>PROCEDURE NAME</th>
<th>CASE #</th>
<th>STEP #</th>
<th>STEP NAME</th>
<th>REV #</th>
<th>PASS</th>
<th>PASS RETEST</th>
<th>COMMENTS</th>
<th>SIGNOFF DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMS-F22</td>
<td>AS/RS Storage Pick List screen</td>
<td>01</td>
<td>7</td>
<td>Test default display type</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>4/8/96</td>
</tr>
<tr>
<td></td>
<td>(DMSS0903)</td>
<td></td>
<td>8</td>
<td>Test [LLW] and [TRU] buttons</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>4/8/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>9</td>
<td>Test [Retrieve PIN] button.</td>
<td>1</td>
<td></td>
<td>X</td>
<td></td>
<td>6/6/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10</td>
<td>Exit the screen and the DMS system.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>4/8/96</td>
</tr>
<tr>
<td>DMS-F23</td>
<td>AS/RS Shipping Pick List screen</td>
<td>01</td>
<td>1</td>
<td>Logon to DMS system as a user (USER1) with</td>
<td>1</td>
<td>X</td>
<td></td>
<td></td>
<td>5/31/96</td>
</tr>
<tr>
<td></td>
<td>(DMSS0904)</td>
<td></td>
<td>2</td>
<td>test role UPDATE privileges.</td>
<td>1</td>
<td>X</td>
<td></td>
<td></td>
<td>5/31/96</td>
</tr>
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<td></td>
<td></td>
<td></td>
<td>3</td>
<td>Enter the AS/RS Shipping Pick List screen</td>
<td>1</td>
<td>X</td>
<td></td>
<td></td>
<td>6/5/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(DMSS0904) and perform the following tests.</td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>Test Data fields on both left and right sides</td>
<td>1</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>of the screen to ensure that data is not</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>manually enterable in any fields.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>Test [LLW] and [TRU] buttons.</td>
<td>1</td>
<td>X</td>
<td></td>
<td></td>
<td>5/31/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>6</td>
<td>Test the [&lt;], [&gt;, [&lt;&gt;, [&gt;&gt;, and [&gt;&gt;] buttons</td>
<td>1</td>
<td>X</td>
<td></td>
<td></td>
<td>5/31/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>on Right side of screen.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>7</td>
<td>Test [Clear Form], [Move], and [Commit]</td>
<td>1</td>
<td>X</td>
<td></td>
<td></td>
<td>5/31/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>buttons.</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>8</td>
<td>Test [LOV] button, shipment # popup, and</td>
<td>1</td>
<td>X</td>
<td></td>
<td></td>
<td>5/31/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>[Commit] button.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>9</td>
<td>Exit the screen and the DMS system.</td>
<td>1</td>
<td>X</td>
<td></td>
<td></td>
<td>5/31/96</td>
</tr>
</tbody>
</table>

DOC NUMBER: HNF-SD-WM-TRP-287

REVISION: 0

DATE: 9/27/96

B-67
### APPENDIX B: FUNCTIONAL TEST RESULTS

**DOC NUMBER:** HNF-SD-WM-TRP-287  
**REVISION:** 0  
**DATE:** 9/27/96

<table>
<thead>
<tr>
<th>PROC #</th>
<th>PROCEDURE NAME</th>
<th>CASE #</th>
<th>STEP #</th>
<th>STEP NAME</th>
<th>REV #</th>
<th>PASS 1st TEST</th>
<th>PASS RETEST</th>
<th>COMMENTS</th>
<th>SIGNOFF DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMS-F24</td>
<td>Radiological Inventory Summary screen (DMSS1101)</td>
<td>01</td>
<td>1</td>
<td>Logon to DMS system as a user (USER1) with test role UPDATE privileges.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>3/1/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>Enter the Radiological Inventory Summary screen (DMSS1101) and perform the following tests.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>3/1/96</td>
</tr>
<tr>
<td></td>
<td></td>
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**APPENDIX B: FUNCTIONAL TEST RESULTS**

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<th>PASS RETEST</th>
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## Appendix B: Functional Test Results

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## Appendices

### Appendix B: Functional Test Results

#### PROCEDURE

**DMS-F25 Processed Waste Data Review & Mod. screen (DMSS1221)**

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<th>REV #</th>
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<th>PASS RETEST</th>
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**Appendix B: Functional Test Results**

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**Processed Waste Data Review & Mod. screen (DMSS1221)**

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## Appendix B: Functional Test Results

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## PPENDIX B: FUNCTIONAL TEST RESULTS

### PROCEDURE NAME

**PROCEDURE NAME**

Processed Waste Data Review & Mod. screen (DMSS1221)

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<th>STEP NAME</th>
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<th>PASS RETEST</th>
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## APPENDIX B: FUNCTIONAL TEST RESULTS

**PROCEDURE NAME**: Processed Waste Data Review & Mod. screen (DMSS1221)

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## VIS PHASE 1 TEST REPORT

**APPENDIX B: FUNCTIONAL TEST RESULTS**

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<th>CASE #</th>
<th>STEP #</th>
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## MS PHASE 1 TEST REPORT

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### Procedure Name: Processed Waste Data Review & Mod. screen (DMSS1221)

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<th>STEP #</th>
<th>STEP NAME</th>
<th>REV #</th>
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<th>PASS RETEST</th>
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<td>CASE #</td>
<td>STEP #</td>
<td>STEP NAME</td>
<td>REV #</td>
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<td>PASS RETEST</td>
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<td>Test [&lt; ] and [&gt;] buttons for Chemical Component Screen:</td>
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### Functional Test Results

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<th>CASE #</th>
<th>STEP #</th>
<th>STEP NAME</th>
<th>REV #</th>
<th>PASS 1st TEST</th>
<th>PASS RETEST</th>
<th>COMMENTS</th>
<th>SIGNOFF DATE</th>
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<td>Enter values for Weight (kg) and Weight Percent:</td>
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### PROCEDURE NAME

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<th>STEP #</th>
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<th>PASS RETEST</th>
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<td>CASE #</td>
<td>STEP #</td>
<td>STEP NAME</td>
<td>REV #</td>
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<td>PASS RETEST</td>
<td>COMMENTS</td>
<td>SIGNOFF DATE</td>
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<td>Logon to DMS system as a user (USER1) with test role UPDATE privileges.</td>
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<td>Test the [&gt;] and [&lt;] buttons.</td>
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<td>2/8/96</td>
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<td>Test the [&gt;&gt;] and [&lt;&lt;] buttons.</td>
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<td>Test the [Insert] and [Commit] buttons.</td>
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<td>Test the [Delete] button.</td>
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<td>Exit the DMS system.</td>
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<td>2</td>
<td>Choose &quot;Profile Isotopic&quot; from the &quot;Table Maint&quot; pulldown on the DMS Main Menu.</td>
<td>0</td>
<td>X</td>
<td>2/8/96</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>Perform test cases</td>
<td>0</td>
<td>X</td>
<td>2/8/96</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>Verify performance of [&lt;], [&gt;], [&lt;&lt;], and [&gt;&gt;] buttons in Profile table.</td>
<td>0</td>
<td>X</td>
<td>2/8/96</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>Verify performance of [&lt;], [&gt;], [&lt;&lt;], and [&gt;&gt;] buttons in Profile Isotope table.</td>
<td>0</td>
<td>X</td>
<td>2/8/96</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>02</td>
<td>1</td>
<td>Verify [Insert] and [Delete] buttons on Profile table. Insert will test the validation defined for each field in table.</td>
<td>0</td>
<td>X</td>
<td>2/8/96</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PROC #</td>
<td>PROCEDURE NAME</td>
<td>CASE #</td>
<td>STE Step #</td>
<td>STEP NAME</td>
<td>REV #</td>
<td>PASS 1ST TEST</td>
<td>PASS RETEST</td>
<td>COMMENTS</td>
<td>SIGNOFF DATE</td>
</tr>
<tr>
<td>-------</td>
<td>--------------------------------------------------------------------------------</td>
<td>--------</td>
<td>------------</td>
<td>---------------------------------------------------------------------------------------------</td>
<td>-------</td>
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<td>-------------</td>
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<td>--------------</td>
</tr>
<tr>
<td>DMS-F42</td>
<td>DMSS0454 - Profile Isotopic Table screen</td>
<td>03</td>
<td>1</td>
<td>Verify [Insert] and [Delete] buttons on Profile Isotopic table. Insert will test the validation defined for each field in table.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td>DMS-F43</td>
<td>ROUTE DESCRIPTION TABLE (DMSS0455)</td>
<td>01</td>
<td>1</td>
<td>Log onto the DMS as USER1.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>Select &quot;Table Maint and &quot;Route desc&quot; and perform the following tests:</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>insert a new record.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>Delete a record</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td>DMS-F44</td>
<td>SHIP PICKLIST TYPE TABLE (DMSS0456)</td>
<td>01</td>
<td>1</td>
<td>Log onto the DMS as USER1, and enter the Shipment Pick List Type screen (DMSS0456) and perform the following tests.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>Test the scroll buttons.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>Test the Insert button.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>Test the Delete button.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td>DMS-F45</td>
<td>SIE ISOTOPE NAME TABLE (DMSS0457)</td>
<td>01</td>
<td>1</td>
<td>Log onto the DMS as USER1, and enter the SIE Isotope Name Table screen (DMSS0457) and perform the following tests.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>Test the scroll buttons.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>Test the Insert button.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>Test the Delete button.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/8/96</td>
</tr>
</tbody>
</table>
## MS PHASE I TEST REPORT

### APPENDIX B: FUNCTIONAL TEST RESULTS

<table>
<thead>
<tr>
<th>PROC #</th>
<th>PROCEDURE NAME</th>
<th>CASE #</th>
<th>STEP</th>
<th>STEP NAME</th>
<th>REV</th>
<th>PASS 1st TEST</th>
<th>PASS RETEST</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMS-F48</td>
<td>MATERIAL TABLE (DMSS0460)</td>
<td>01</td>
<td>1</td>
<td>Log onto the DMS as USER1, and enter the Material Table screen (DMSS0460)</td>
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<td>2/8/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>Test the scroll buttons</td>
<td>0</td>
<td>X</td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>Test the Insert button</td>
<td>0</td>
<td>X</td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>Test the Delete button</td>
<td>0</td>
<td>X</td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td>DMS-F49</td>
<td>WRAP MISCELLANEOUS TABLE</td>
<td>01</td>
<td>1</td>
<td>Log onto the DMS as USER1, and enter the WRAP Miscellaneous Table screen</td>
<td>0</td>
<td>X</td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td></td>
<td>(DMSS0461)</td>
<td></td>
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<td>Test the scroll buttons</td>
<td>0</td>
<td>X</td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>Test the Insert button</td>
<td>0</td>
<td>X</td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>Test the Delete button</td>
<td>0</td>
<td>X</td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td>DMS-F61</td>
<td>Error Message Table Screen</td>
<td>01</td>
<td>1</td>
<td>Choose &quot;Admin&quot;, then &quot;Error message table&quot; from the DMS Main Menu.</td>
<td>0</td>
<td>X</td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>Perform the following SQA test cases to ensure the proper screen is</td>
<td>0</td>
<td>X</td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>accessed and that it has the proper attributes:</td>
<td></td>
<td></td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>Test Count Query Hits menu function to inventory current database table</td>
<td>0</td>
<td>X</td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>contents:</td>
<td></td>
<td></td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>Test [Insert] button; test length and case restriction of Number and Error</td>
<td>0</td>
<td>X</td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Text fields:</td>
<td></td>
<td></td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>Test [Commit] button:</td>
<td>0</td>
<td>X</td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td>PROC #</td>
<td>PROCEDURE NAME</td>
<td>CASE #</td>
<td>STEP #</td>
<td>STEP NAME</td>
<td>REV #</td>
<td>PASS 1ST TEST</td>
<td>PASS RETEST</td>
<td>COMMENTS</td>
</tr>
<tr>
<td>--------</td>
<td>----------------------</td>
<td>--------</td>
<td>--------</td>
<td>---------------------------------------------------------------------------</td>
<td>-------</td>
<td>--------------</td>
<td>-------------</td>
<td>----------</td>
</tr>
<tr>
<td>DMS-F61</td>
<td>Error Message Table Screen</td>
<td>01</td>
<td>6</td>
<td>Produce error on attempted edit of field protected from update:</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>7</td>
<td>Test [Commit] button:</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>8</td>
<td>Test Execute Query menu function to display current database table contents:</td>
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<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>9</td>
<td>Test [&gt;] and [&lt;] buttons:</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10</td>
<td>Test [&gt;] and [&lt;] buttons:</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>11</td>
<td>Enter simple query with criteria in multiple data fields:</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>12</td>
<td>Test [Delete] button:</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>13</td>
<td>Commit changes:</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>14</td>
<td>Test [Commit] button on incomplete record insert:</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>15</td>
<td>Test [Exit] button on incomplete record insert:</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>16</td>
<td>Test [Delete] button:</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>17</td>
<td>Test for prompt for commit of uncommitted changes on Exit:</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>18</td>
<td>Commit changes to database:</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>19</td>
<td>Test [Exit] button</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DMS-F62</td>
<td>User Table Screen</td>
<td>01</td>
<td>1</td>
<td>Choose &quot;Admin&quot;, then &quot;User table&quot; from the DMS Main Menu.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PROC #</td>
<td>PROCEDURE NAME</td>
<td>CASE #</td>
<td>STEP #</td>
<td>STEP NAME</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------</td>
<td>------------------</td>
<td>--------</td>
<td>--------</td>
<td>---------------------------------------------------------------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DMS-F62</td>
<td>User Table Screen</td>
<td>01</td>
<td>2</td>
<td>Perform the following SQA test cases to ensure the proper screen is accessed and that it has the proper attributes:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>Test Count Query Hits menu function to inventory current database table contents:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>Test [Insert] button; test Usr Userid for required entry; test length and case restriction of Scm Name field:</td>
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<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>Test other Usr Account and Usr Bull Dt fields for format, length, and case restriction:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>6</td>
<td>Test format and case restriction of Usr Logon Dt field:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>7</td>
<td>Test format, length, and case restriction of Usr Org and Usr Pers Id fields:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>8</td>
<td>Test format, length, and case restriction of Usr Org and Usr Pers Id fields:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>9</td>
<td>Test Duplicate Record function key:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
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<td>Redisplay database table contents:</td>
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<td></td>
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<td></td>
<td></td>
<td>11</td>
<td>Test Usr Userid field for editability:</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>12</td>
<td>Test Duplicate Field function key:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>13</td>
<td>Test [&gt;] button:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>14</td>
<td>Test [&gt;&gt;] button:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Comments**

Signoff Date: 2/8/96

**Results**

- PASS 1st TEST: X
- PASS RETEST: X

**PROCEDURE**

DMS-F62
## User Table Screen

<table>
<thead>
<tr>
<th>PROC #</th>
<th>PROCEDURE NAME</th>
<th>CASE #</th>
<th>STEP #</th>
<th>STEP NAME</th>
<th>REV #</th>
<th>PASS 1ST TEST</th>
<th>PASS RETEST</th>
<th>COMMENTS</th>
<th>SIGNOFF DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMS-F62</td>
<td>User Table Screen</td>
<td>01</td>
<td>15</td>
<td>Test [&lt;] button:</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td>16</td>
<td></td>
<td>Test [&lt; &lt;] button:</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td>17</td>
<td></td>
<td>Enter simple query:</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td>18</td>
<td></td>
<td>Test [Commit] button with no uncommitted database changes:</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td>19</td>
<td></td>
<td>Test [Delete] button:</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td>20</td>
<td></td>
<td>Test for prompt for commit of uncommitted changes on Exit:</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/8/96</td>
</tr>
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<td></td>
<td></td>
<td>21</td>
<td></td>
<td>Commit changes to database:</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/8/96</td>
</tr>
<tr>
<td></td>
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<td>22</td>
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<td>Test [Exit] button</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/8/96</td>
</tr>
</tbody>
</table>

## Role Table screen

<table>
<thead>
<tr>
<th>PROC #</th>
<th>PROCEDURE NAME</th>
<th>CASE #</th>
<th>STEP #</th>
<th>STEP NAME</th>
<th>REV #</th>
<th>PASS 1ST TEST</th>
<th>PASS RETEST</th>
<th>COMMENTS</th>
<th>SIGNOFF DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMS-F63</td>
<td>Role Table screen</td>
<td>01</td>
<td>1</td>
<td>Choose &quot;Admin&quot;, then &quot;Role table&quot; from the DMS Main Menu.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
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## DMS Phase 1 Test Report

### Appendix B: Functional Test Results

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<th>CASE #</th>
<th>STEP #</th>
<th>STEP NAME</th>
<th>REV #</th>
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<th>PASS RETEST</th>
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<th>SIGNOFF DATE</th>
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<td>PASS RETEST</td>
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<td>Edit an existing record:</td>
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<td>Test Scroll Down and Scroll Up menu function</td>
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<td>Test [&gt;] and [&lt;] buttons:</td>
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<td>Test Down and Up keys:</td>
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## DMS Phase 1 Test Report

### Appendix B: Functional Test Results

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<th>CASE #</th>
<th>STEP #</th>
<th>STEP NAME</th>
<th>REV #</th>
<th>PASS 1st TEST</th>
<th>PASS RETEST</th>
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B-110
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<th>CASE #</th>
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<th>PASS RETEST</th>
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</tr>
<tr>
<td></td>
<td></td>
<td>51</td>
<td>Test [Exit] button on incomplete record insert:</td>
<td>0</td>
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<th>CASE</th>
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<th>STEP NAME</th>
<th>REV</th>
<th>PASS 1ST TEST</th>
<th>PASS RETEST</th>
<th>COMMENTS</th>
<th>SIGNOFF DATE</th>
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<tr>
<td>01</td>
<td>DMS-F65 User Role Table Screen</td>
<td>1</td>
<td>Choose &quot;Admin&quot;, then &quot;User Role Table&quot; from the DMS Main Menu.</td>
<td>0</td>
<td>x</td>
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<tr>
<td></td>
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<td>2</td>
<td>Perform the following SQA test cases to ensure the proper screen is accessed and that it has the proper attributes:</td>
<td>0</td>
<td>x</td>
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<td>2/11/96</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>3</td>
<td>Test Count Query Hits menu function to inventory current database User table contents:</td>
<td>0</td>
<td>x</td>
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<td>2/11/96</td>
<td></td>
</tr>
<tr>
<td></td>
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<td>4</td>
<td>Test [Insert] button; test Users block for entry insert:</td>
<td>0</td>
<td>x</td>
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<td>2/11/96</td>
<td></td>
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<tr>
<td></td>
<td></td>
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<td>Test Next Block menu function:</td>
<td>0</td>
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Appendix B: Functional Test Results

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<th>STEP NAME</th>
<th>REV #</th>
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<th>PASS RETEST</th>
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<th>SIGNOFF F DATE</th>
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<td>User Role Table Screen</td>
<td>01</td>
<td>6</td>
<td>Test [Insert] button; test Userrole block for entry insert:</td>
<td>0</td>
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<tr>
<td></td>
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<td>7</td>
<td>Test Role field for format, length, case restriction, and valid data value:</td>
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<td>8</td>
<td>Select Role from pop-up list:</td>
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<td>9</td>
<td>Test Description and User Name fields for enterability:</td>
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<td>Test Valid Role Codes pop-up [Find] button:</td>
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<td>Test Valid Role Codes pop-up Up, Down, Right, and Left function keys:</td>
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<td>16</td>
<td>Test Description field autopopulate:</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>17</td>
<td>Test [Commit] button; test Role field for uniqueness:</td>
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<td>X</td>
<td></td>
<td></td>
<td>2/11/96</td>
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<tr>
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<td>Test Clear Block menu function:</td>
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<td></td>
<td></td>
<td></td>
<td>19</td>
<td>Test Count Query Hits menu function in Userrole block:</td>
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<td>2/11/96</td>
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### PROCEDURE NAME

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<th>CASE #</th>
<th>STEP #</th>
<th>STEP NAME</th>
<th>REV #</th>
<th>PASS 1ST TEST</th>
<th>PASS RETEST</th>
<th>COMMENTS</th>
<th>SIGNOFF DATE</th>
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<td>DMS-F65</td>
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<td>Test Previous Block menu selection:</td>
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<td>X</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>21</td>
<td>Test Upr Userid field for updatability:</td>
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<td></td>
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<td>2/11/96</td>
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<td></td>
<td>22</td>
<td>Enter simple query on Upr Userid field; request count of results:</td>
<td>0</td>
<td>X</td>
<td></td>
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<td>2/11/96</td>
</tr>
<tr>
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<td></td>
<td></td>
<td>23</td>
<td>Enter complex query on Upr Userid field:</td>
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<td>X</td>
<td></td>
<td></td>
<td>2/11/96</td>
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<td></td>
<td></td>
<td></td>
<td>24</td>
<td>Test Previous Record and Next Block function keys:</td>
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<td>Redisplay database table records:</td>
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<td></td>
<td>26</td>
<td>Test [&gt;] and [&lt;&gt;] buttons in Users block:</td>
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<td>Test [&lt;&gt;] button in Userrole block:</td>
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<td></td>
<td>28</td>
<td>Test for prompt for commit of uncommitted changes on Exit:</td>
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<td>2/11/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>29</td>
<td>Test [Commit] button:</td>
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<td>2/11/96</td>
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<td>Test [Delete] button:</td>
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<td>Test for prompt for commit of uncommitted changes on Exit:</td>
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<td></td>
<td>33</td>
<td>Commit changes to database:</td>
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<td></td>
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<p>| DMS-F66 | Role Screen Table Screen          | 01     | 1      | Choose &quot;Admin&quot;, then &quot;Role Screen Table&quot; from the DMS Main Menu. | 0     | X             |             |          | 2/11/96      |</p>
<table>
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<tr>
<th>PROC #</th>
<th>PROCEDURE NAME</th>
<th>CASE #</th>
<th>STEP #</th>
<th>STEP NAME</th>
<th>REV</th>
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<th>PASS RETEST</th>
<th>COMMENTS</th>
<th>SIGNOFF DATE</th>
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<td>Role Screen Table Screen</td>
<td>01</td>
<td>2</td>
<td>Perform the following SQA test cases to ensure the proper screen is accessed and that it has the proper attributes:</td>
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<td></td>
<td>2/11/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>Test Count Query Hits menu function to inventory current database Role table contents:</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/11/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>Test [Insert] button; test Role block for entry insert:</td>
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<td>X</td>
<td></td>
<td></td>
<td>2/11/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>Test Next Block menu function:</td>
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<td>X</td>
<td></td>
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<td>2/11/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>6</td>
<td>Test Count Query Hits menu function to inventory current database Rolescreen table contents for Role 'ENGDEV':</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/11/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>7</td>
<td>Test [Insert] button; test Rolescreen block for entry insert:</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/11/96</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>8</td>
<td>Test Rscrn Scrn field for format, length, case restriction, and valid data value:</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>2/11/96</td>
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<td></td>
<td></td>
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<td>Select Screen from pop-up list:</td>
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<td>X</td>
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<td>10</td>
<td>Test Rsc field for format, length, case restriction, and valid data value:</td>
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<td>Test Role Descr field for enterability:</td>
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<td>Test Role Cd field for editability:</td>
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<td>2/11/96</td>
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<td></td>
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<td>13</td>
<td>Test [Commit] button; test Rscrn Scrn field for uniqueness:</td>
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<td>X</td>
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<tr>
<td>CASE #</td>
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<td>PROC #</td>
<td>STEP #</td>
<td>P</td>
<td>SECTION</td>
<td>SIGNOFF</td>
<td>DATE</td>
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<td>PASS 1st Test</td>
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<td>01</td>
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<td>Test [List of Values] button for Recn Ssn field.</td>
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<td>0</td>
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<td>2/11/96</td>
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<td>16</td>
<td>Test [Comm] button.</td>
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<td>Enter simple query with wildcard in Role screen block.</td>
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<td>0</td>
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<td>List of Values in Role screen block.</td>
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<td>0</td>
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<td>Test Role Cd pop-up screen location.</td>
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<td>0</td>
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<td>Execute query.</td>
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<td>0</td>
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<td>Enter complex query on Role Cd field.</td>
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<td>0</td>
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<td>2/11/96</td>
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<td></td>
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<tr>
<td>22</td>
<td>Confirm query results; test Next Block function key; test [&gt;] button in Role screen block.</td>
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<td>0</td>
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<td></td>
<td>2/11/96</td>
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<tr>
<td>23</td>
<td>Test Previous Block function key; test [&gt;] button in Role screen block.</td>
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<td></td>
<td>2/11/96</td>
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<td>Test Previous Record and Next Block function.</td>
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<td>0</td>
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<td></td>
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<tr>
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<td>Test [+] button in Role block.</td>
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<td>0</td>
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<td></td>
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<td>26</td>
<td>Test [+] and [&gt;] buttons in Role screen block.</td>
<td></td>
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<td>0</td>
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### DMS PHASE 1 TEST REPORT

**APPENDIX B: FUNCTIONAL TEST RESULTS**

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<th>CASE #</th>
<th>STEP #</th>
<th>STEP NAME</th>
<th>REV #</th>
<th>PASS 1ST TEST</th>
<th>PASS RETEST</th>
<th>COMMENTS</th>
<th>SIGNOFF DATE</th>
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<td>DMS-F66</td>
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<td>01</td>
<td>27</td>
<td>Test [Delete] button:</td>
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<td>X</td>
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<td>2/11/96</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>28</td>
<td>Test for prompt for commit of uncommitted changes on request of query hits:</td>
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<td>X</td>
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<td></td>
<td>29</td>
<td>Request count of database Role records</td>
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<td>Test [Exit] button</td>
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<td>need to reload: inadvertent delete</td>
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<td>2/11/96</td>
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<td>Enter the Receiving screen and verify that query for data is allowed but commit of data to the database is not.</td>
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<td>2/11/96</td>
</tr>
<tr>
<td></td>
<td></td>
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<td>Enter the NDE screen and verify that query for data is allowed but commit of data to the database is not.</td>
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<td></td>
<td></td>
<td>2/11/96</td>
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<td></td>
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<td>2/11/96</td>
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## DMS Phase 1 Test Report

### Appendix B: Functional Test Results

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### APPENDIX B: FUNCTIONAL TEST RESULTS

**PROCEDURE NAME**

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<td></td>
<td></td>
<td>34</td>
<td>Attempt to enter the User Role Table screen and verify no access allowed.</td>
<td>0</td>
<td>OPEN</td>
<td></td>
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<td></td>
<td></td>
<td>35</td>
<td>Attempt to enter the Role Screen Table screen and verify no access allowed.</td>
<td>0</td>
<td>OPEN</td>
<td></td>
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<td></td>
<td></td>
<td>03</td>
<td>1</td>
<td>Logon to DMS system as a user with test role READ privileges.</td>
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<td>OPEN</td>
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<td></td>
<td>2</td>
<td>Enter the Receiving screen and verify that query for data is allowed and commit of data to the database is allowed by a user with UPDATE access.</td>
<td>0</td>
<td>OPEN</td>
<td></td>
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<td></td>
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<td></td>
<td>4</td>
<td>Enter the NDE screen and verify that query for data is allowed and commit of data to the database is allowed by a user with UPDATE access.</td>
<td>0</td>
<td>OPEN</td>
<td></td>
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<tr>
<td>PROC #</td>
<td>PROCEDURE NAME</td>
<td>CASE #</td>
<td>STEP #</td>
<td>STEP NAME</td>
<td>REV #</td>
<td>PASS 1st TEST</td>
<td>PASS RETEST</td>
<td>COMMENTS</td>
<td>SIGNOFF DATE</td>
</tr>
<tr>
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<tr>
<td>DMS-F81</td>
<td>System Security</td>
<td>03</td>
<td>5</td>
<td>Enter the NDA screen and verify that query for data is allowed and commit of data to the database is allowed by a user with UPDATE access.</td>
<td>0</td>
<td>OPEN</td>
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<td>7</td>
<td>Enter the LLW Sorting Table screen and verify that query for data is allowed and commit of data to the database is allowed by a user with UPDATE access.</td>
<td>0</td>
<td>OPEN</td>
<td></td>
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<td></td>
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<td>8</td>
<td>Attempt to enter the LLW Exit Glovebox screen and verify that query for data is allowed and commit of data to the database is allowed by a user with UPDATE access.</td>
<td>0</td>
<td>OPEN</td>
<td></td>
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<td></td>
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<td></td>
<td>9</td>
<td>Enter the Loading Dock Container Shipping screen and verify that query for data is allowed and commit of data to the database is allowed by a user with UPDATE access.</td>
<td>0</td>
<td>OPEN</td>
<td></td>
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<td>11</td>
<td>Enter the Process List screen and verify that query for data is allowed and commit of data to the database is allowed by a user with UPDATE access.</td>
<td>0</td>
<td>OPEN</td>
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<tr>
<td>DMS-F91</td>
<td>System Performance</td>
<td>01</td>
<td>1</td>
<td>Execute Dyacomm script f91.01u to create receipt data.</td>
<td>0</td>
<td>X</td>
<td></td>
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<td>4/10/96</td>
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<td></td>
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<td></td>
<td>2</td>
<td>Log onto the DMS test database as USER 1 and select Receiving from the main menu.</td>
<td>0</td>
<td>X</td>
<td></td>
<td></td>
<td>4/10/96</td>
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