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SOFTWARE RELEASE NOTICE

01. SRN Number: PA-SRN-139		
02. Project Title: Total System Performance Assessment and Integration		Project No. 20-5708-761
03. SRN Title: CDOCS Version 1.0		
04. Originator/Requestor: R. Marshall		Date: 10/30/96
05. Summary of Actions <ul style="list-style-type: none"><input checked="" type="checkbox"/> Release of new software<input type="checkbox"/> Release of modified software:<ul style="list-style-type: none"><input type="checkbox"/> Enhancements made<input type="checkbox"/> Corrections made<input type="checkbox"/> Change of access software<input checked="" type="checkbox"/> Software Retirement <i>10/30/96</i>		
06. Persons Authorized Access		
Name	RO/RW	A/C/D
R. Marshall — CNWRA D. Chery — NRC (also has source code)	RW RW	
07. Element Manager Approval: <i>[Signature]</i>		Date: 10/30/96
08. Remarks:		

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SOFTWARE SUMMARY FORM

01. Summary Date: 10/28/96	02. Summary prepared by R. Marshall, (210) 522-5248	03. Summary Action:	
04. Software Date: 09/27/96	05. Short Title: Consolidated Document System Version 1.0		
06. Software Title: Consolidated Document System Version 1.0		07. Internal Software ID:	
08. Software Type: <input checked="" type="checkbox"/> Automated Data System <input type="checkbox"/> Computer Program <input type="checkbox"/> Subroutine/Module	09. Processing Mode: <input type="checkbox"/> Interactive <input type="checkbox"/> Batch <input checked="" type="checkbox"/> Combination	10. APPLICATION AREA a. General: <input type="checkbox"/> Scientific/Engineering <input type="checkbox"/> Auxiliary Analyses <input type="checkbox"/> Total System PA <input type="checkbox"/> Subsystem PA <input checked="" type="checkbox"/> Other b. Specific: Document Control System	
11. Submitting Organization and Address: CNWRA 6220 Culebra Rd. San Antonio, TX		12. Technical Contact(s) and Phone: R. Marshall (210) 522-5248	
13. Narrative:			
14. Computer Platform SunOS, Solaris (Unix) OS/2, Windows (R) Mac	15. Computer Operating System: SunOS, Solaris, OS/2 Windows MacIntosh	16. Programming Language(s): WordPerfect Macro	17. Number of Source Program Statements: ~25k
18. Computer Memory Requirements: 32M Server 16M Client	19. Tape Drives: N/A	20. Disk/Drum Units: 2Gb Partition	21. Graphics: Color, VGA or better
22. Other Operational Requirements TCP/IP Connection Between Client and Server			
23. Software Availability: <input checked="" type="checkbox"/> Available <input type="checkbox"/> Limited <input type="checkbox"/> In-House ONLY		24. Documentation Availability: <input checked="" type="checkbox"/> Available <input type="checkbox"/> Inadequate <input type="checkbox"/> In-House ONLY	
Software Custodian: <u><i>R. Marshall</i></u> Date: <u>10/29/96</u>			

This document records the system testing that was done on the TDOCS system in 1995. This document is divided into "requirements" from an operator/user perspective, ^(i.e. the de facto test plan) and the resulting tests conducted to verify the requirements were met. In addition, there is a detailed "bug" list indicating any difficulties encountered, and their fixes.

TDOCS/RPD were renamed CDOCS in the fall of 1995, so this test plan and resulting activity are valid for CDOCS,

CDOCS Principal Investigator (PI)
Aaron DeWispelare
Aaron DeWispelare 10/28/96

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TEST PLAN FOR THE TECHNICAL REFERENCE DOCUMENT DATABASE SYSTEM (TDOCS)

1 SYSTEM INITIALIZATION

The Technical Reference Document Database System (TDOCS) uses a client/server architecture to distribute functionality and computing requirements across multiple hardware/software platforms. Selected functions, including the relational database, database administration support, and update and maintenance of the full-text repository, are performed on a central server machine. Other capabilities, including the user interface, entry of new records, and handling of full-text search and retrieval queries, are performed as client functions on the users' individual personal computers and workstations. For the system to function properly, communication is required between the server and all active client platforms. System initialization establishes this communication and permits users on each client platform to utilize appropriate functionality to access information on the server.

This testing is being done for the certification of Version 2.1 of TDOCS, including (i) migration to Solaris, (ii) installation of Oracle 7, (iii) installation of TOPIC 4, and (iv) installation of the synchronized server at the Nuclear Regulatory Commission (NRC) and Center for Nuclear Waste Regulatory Analyses (CNWRA).

1.1 INITIALIZATION OF SERVER FUNCTIONALITY

Initialization of server functionality is performed automatically when the server system is started. If the server fails, it must be restarted. Restarting the server is a manual process that is performed by the database administrator (DBA). The server is started by a command line entry or script. The server initialization command has several parameters that must be correct for the initialization to complete:

- User-ID and Password—The server must be started under TOPIC so that permissions to the TOPIC directories will be available to the server. The User-ID and password are used to perform a logon to the ORACLE relational database.
- Database Instance ID—The appropriate database must be indicated for the logon to ORACLE.
- Initialization file—An initialization file is required that provides additional information, such as whether to run in single-thread or multi-thread mode and whether or not to activate the database synchronization processes.

During initialization, the server process confirms that the Remote Procedure Call (RPC) process and the ORACLE database are active. The initialization file is also read and interpreted.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
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REQUIREMENT: Server functionality is initiated on the UNIX server platform using the facilities of RC.LOCAL when the server machine is booted.		
1.1.1	The operator boots the server platform and notes the initialization of TDOCS server functionality.	The server process is started. A confirmation message is displayed and sent to the DBA by E-Mail.
1.1.2	The operator disables the ORACLE database and notes the initiation of TDOCS server functionality.	The server initialization fails with an error message and the server process is terminated. The error message is sent to the DBA by E-Mail.
1.1.3	The operator disables the RPC process and notes the initiation of TDOCS server functionality.	The server initialization fails with an error message and the server process is terminated. The error message is sent to the DBA by E-Mail.
1.1.4	The operator starts the server with an invalid parameter (User-ID and/or password) and notes the initiation of TDOCS server functionality.	The server initialization fails with an error message and the server process is terminated. The error message is sent to the DBA by E-Mail.
1.1.5	The operator starts the server with a missing parameter (User-ID and/or password) and notes the initiation of TDOCS server functionality.	The server initialization fails with an error message and the server process is terminated. The error message is sent to the DBA by E-Mail.
1.1.6	The operator starts the server with an invalid parameter (database instance) and notes the initiation of TDOCS server functionality.	The server initialization fails with an error message and the server process is terminated. The error message is sent to the DBA by E-Mail.
1.1.7	The operator starts the server with a missing parameter (database instance) and notes the initiation of TDOCS server functionality.	The server initialization fails with an error message and the server process is terminated. The error message is sent to the DBA by E-Mail.
1.1.8	The operator starts the server with an invalid initialization file and notes the initiation of TDOCS server functionality.	The server initialization fails with an error message and the server process is terminated. The error message is not sent to the DBA because the mail address of the DBA is contained in the initialization file.

1.1.9	The operator starts the server with a missing initialization file and notes the initiation of TDOCS server functionality.	The server initialization fails with an error message and the server process is terminated. The error message is not sent to the DBA because the mail address of the DBA is contained in the initialization file.
1.1.10	The operator starts the server under a user other than TOPIC and notes the initiation of TDOCS server functionality.	The server initialization fails with an error message and the server process is terminated. The error message is sent to the DBA by E-Mail.
1.1.11	The operator starts the server from the command line with proper parameters and a correct initialization file, and notes the initiation of TDOCS server functionality.	The server initialization completes and a successful initialization file is sent to the DBA by E-Mail.

Table 1-1 Initiation of Server Functionality

1.2 INITIALIZATION OF CLIENT FUNCTIONALITY FROM SUN-OS PLATFORMS

Users of the TDOCS at the NRC do not require User-IDs or passwords. Users of TDOCS at the CNWRA do require User-IDs and passwords. Therefore, the command used to initiate TDOCS processing includes a parameter to indicate the environment of the user. Depending on this parameter, the system will display a logon screen for users at the CNWRA, or will bypass the logon process and display the appropriate initial main menu for users at the NRC. On Windows and OS/2 platforms, the system is initiated by selecting an icon from the desktop. On Sun-OS platforms, the system is initiated by selecting an entry in the user's pull-down menu.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
REQUIREMENT: Client functionality for UNIX SUN-OS platforms is initiated from the workstation following initiations of the server functionality.		

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.2.1	The operator attempts to start client functionality with the server not active.	The system displays an error message: Error connecting to server.
✓ 1.2.2	The operator attempts to start client functionality on any CNWRA platform by pressing the Right Mouse Button (RMB) to display a pull-down menu of available programs and selecting the appropriate entry for TDOCS.	The system responds by opening a window and displaying the DWM Logon screen.
✓ 1.2.3	The operator accesses the TDOCS system on a NRC_USER class system by pressing the Right Mouse Button (RMB) to display a pull-down menu of available programs and selects the appropriate entry for TDOCS.	The system responds by opening a window and displaying the appropriate main menu for the nrc_user class.
✓ 1.2.4	The operator accesses the TDOCS system on a NRC_CUSTODIAN class system by pressing the Right Mouse Button (RMB) to display a pull-down menu of available programs and selects the appropriate entry for TDOCS.	The system responds by opening a window and displaying the DWM Logon screen.
✓ 1.2.5	The operator accesses the TDOCS system on a NRC_DBA class system by pressing Right Mouse Button (RMB) to display a pull-down menu of 'available programs and selects the appropriate entry for TDOCS.	The system responds by opening a window and displaying the DWM Logon screen.
✓ 1.2.6	Client initialization is attempted with an invalid user class parameter in the initialization command (e.g., a parameter of "-U" rather than "-u").	The invalid parameter is ignored. The system opens a window and displays the DWM Logon screen.

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TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.2.7	Client initialization is attempted with an invalid database parameter in the initialization command.	<p>The invalid parameter is detected when the Oracle database is accessed (immediately for nrc-user class users, and following the DWM Logon for other users) and an error message is displayed:</p> <p>Cannot connect to Oracle. Contact your system administrator.</p> <p>BUG 0002 (OK 06/02/95)</p>
✓ 1.2.8	Client initialization is attempted with an invalid look and feel parameter in the initialization command.	<p>The invalid parameter is detected and replaced automatically with the default value. Initialization of the TDOCS client functionality is completed with the default look and feel.</p> <p>BUG 0004 (OK 06/02/95)</p>
✓ 1.2.9	Client initialization is attempted on the CNWRA system with a -u parameter, indicating functionality for the NRC_USER class.	<p>The parameter is valid but inappropriate for the CNWRA system. An error message is displayed and client functionality is not initialized.</p> <p>BUG 0003 (OK 06/02/95)</p> <p>BUG 0073</p>

Table 1-2 Initiation of the Client Functionality on UNIX SUN-OS Platforms TEST

1.3 INITIALIZATION OF CLIENT FUNCTIONALITY FROM OS/2 OR WINDOWS PLATFORMS

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
<p>REQUIREMENT: Client functionality for OS/2 and Windows platforms is initiated from an icon on the desktop following initiation of the server functionality.</p>		

✓ 1.3.1	The operator attempts to start client functionality with the server not active.	The system displays an error message: Error connecting to server.
✓ 1.3.2	The operator attempts to start client functionality on any CNWRA platform by selecting the appropriate TDOCS icon from the desktop display.	The system responds by opening a window and displaying the DWM Logon screen.
✓ 1.3.3	The operator accesses the TDOCS system on a NRC_USER class system by selecting the appropriate TDOCS icon from the desktop display.	The system responds by opening a window and displaying the appropriate main menu for the nrc_user class.
✓ 1.3.4	The operator accesses the TDOCS system on a NRC_CUSTODIAN class system by selecting the appropriate TDOCS icon from the desktop display.	The system responds by opening a window and displaying the DWM Logon screen.
✓ 1.3.5	The operator accesses the TDOCS system on a NRC_DBA class system by selecting the appropriate TDOCS icon from the desktop display.	The system responds by opening a window and displaying the DWM Logon screen.
✓ 1.3.6	Client initialization is attempted with an invalid user class parameter in the initialization command (e.g., a parameter of "-U" rather than "-u").	The invalid parameter is ignored. The system opens a window and displays the DWM Logon screen.
✓ 1.3.7	Client initialization is attempted with an invalid database parameter in the initialization command.	The invalid parameter is detected when the Oracle database is accessed (immediately for nrc-user class users, and following the DWM Logon for other users) and an error message is displayed: Cannot connect to Oracle. Contact your system administrator. BUG 0002 (OK 06/02/95)

✓ 1.3.8	Client initialization is attempted with an invalid look and feel parameter in the initialization command.	The invalid parameter is detected and replaced automatically with the default value. Initialization of the TDOCS client functionality is completed with the default look and feel. BUG 0004 (OK 06/02/95)
✓ 1.3.9	Client initialization is attempted on the CNWRA system with a -u parameter, indicating functionality for the NRC_USER class.	The parameter is valid but inappropriate for the CNWRA system. An error message is displayed and client functionality is not initialized. BUG 0003 (OK 06/02/95) BUG 0073
✓ 1.3.10	Client initialization is attempted while the server is disabled with a parameter of -u to force nrc_user class access.	The connection to the server fails and the client displays a warning message and terminates gracefully. Error connecting to Server BUG 0082

Table 1-3 Initiation of the Client Functionality on OS/2 and Windows Platforms

1.4 CONFIRMATION OF COMMUNICATIONS AND SYNCHRONIZATION OF MAINTENANCE LEVELS BETWEEN CLIENT AND SERVER PROCESSES

Proper functioning of the TDOCS system requires effective communication between the client and server processes. Verification of communications mechanisms used by the system is accomplished automatically when the client functionality is initiated. If the server functionality is not active, an error message is displayed and no further client activity is permitted until the server is started. Failure of the inter-process communication following initiation of client functionality is also detected during the next RPC message and an error message is displayed.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
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REQUIREMENT: Initiation of client functionality must verify that proper communication between client and server processes has been established. If the inter-process communication between the client and server is not established or is interrupted, the system displays an appropriate message and prevents further client activity until the inter-process communication problem is corrected.		
✓ 1.4.1	The operator disables the server functionality and attempts to initiate client functionality.	The system displays an error message: Error connecting to server.
✓ 1.4.2	The operator disables the server functionality following initiation of the client functionality.	The system displays a message indicating that the server is not active and terminates the client process. BUG 0074
✓ 1.4.3	The operator disables the NFS mount and attempt to initiate client functionality	The system displays an error message at the first attempt to use the file system: Warning: The NFS mount for this machine is incorrect. The data required for this function will not be accessible.

Table 1-4 Confirmation of Communications Between Client and Server Platforms

1.5 GRAPHICAL USER INTERFACE

The system utilizes a standard graphical user interface (GUI) that conforms to the look and feel of each of the client hardware/software platforms. The implementation details of the GUI for each platform is a function of the GUI development tool utilized for implementation of the system and differs slightly depending on the hardware/software platform. The features utilized conform to the appropriate GUI style guide for each platform. Despite the differences in the look and feel of implementations under Motif, OS/2, Windows, and Macintosh, the user must be able to transition between different platforms and utilize the application and the user interface without platform-specific training. Whenever possible, user input and interaction will be accomplished through selection lists or pull-downs rather than input fields to minimize keying errors. Information that is predefined or that is contained in database tables is presented for selection rather than being entered directly through the keyboard. The system creates, manages, and closes application windows as required to support interaction with the user. Parent application windows may create multiple child windows, but all child windows are closed automatically when the parent window is closed. Each application window contains a title bar indicating the system and version number and a screen heading that clearly indicates the function and/or content of the window. The primary implementation platforms include UNIX Motif on Sun workstations, Windows and OS/2 on IBM compatible workstations, and Macintosh on Apple workstations. The look and feel of the user interfaces is similar on all platforms and the functionality is equivalent.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
REQUIREMENT: The GUI must function in a consistent and intuitive manner on all client platforms.		
✓ 1.5.1	The operator utilizes the pointing device to test functionality of GUI controls.	The system responds by positioning the cursor in response to commands entered through the pointing device.
1.5.2	The operator utilizes keyboard commands to position the cursor and test functionality of GUI controls.	The system responds by positioning the cursor in response to commands entered through the keyboard.
✓ 1.5.3	The operator initiates client functionality, enters his User-ID and password if necessary, and observes the initial main menu. The operator uses entries in the main menu action bar to access system functionality.	As each entry on the action bar of the main menu is selected, the appropriate functionality is invoked and/or the appropriate pull-down or cascading menu is displayed.
✓ 1.5.4	The operator selects scrollable windows and tests the functionality of vertical and horizontal scroll bars	The system positions the display of information in the windows as directed by the operator through positioning of the vertical and horizontal scroll bar indicators
✓ 1.5.5	The operator selects minimize and maximize controls and tests their functionality.	The system minimizes and maximizes the window in response to operator selection of the controls.
✓ 1.5.6	The operator selects radio button controls and tests their functionality.	The system alters the display of the radio button controls to reflect depressed buttons, and selects the indicated options and/or functionality.
✓ 1.5.7	The operator selects push button controls and tests their functionality.	The system alters the display of the push button controls to reflect depressed buttons, and invokes the indicated options and/or functionality.
✓ 1.5.8	The operator selects alternate windows and tests the change of focus	The system alters the appearance of the selected window to indicate focus.
✓ 1.5.9	The operator selects and observes the operation of selection lists.	The system highlights selected entries in selection lists.

✓ 1.5.10	The operator selects and observes the operation of single line input fields.	The system permits utilization of single line input fields. Features such as backspace, delete, insert and typeover are functional.
✓ 1.5.11	The operator selects and observes the operation of multiple line input fields.	The system permits utilization of multiple line input fields. Features such as automatic word-wrap, backspace, delete, insert and typeover are functional.
✓ 1.5.12	The operator selects and observes the operation of protected and/or hidden input fields.	The system permits utilization of protected and/or hidden input fields. All normal features such as automatic word-wrap, backspace, delete, insert and typeover are functional for these input fields but the data is obscured or non-displayed.
✓ 1.5.13	The keyboard focus is indicated by the appearance of one of the controls.	Pressing the RETURN key on the keyboard activates the control indicated by the keyboard focus.
1.5.14	The operator uses the TAB key to move the keyboard focus sequentially through GUI controls	The keyboard focus moves in an orderly and intuitive manner (i.e., top to bottom, left to right) as the TAB key is pressed. Shift-TAB reverses the movement of the keyboard focus.
1.5.15	The operator examines all application windows and determines compliance with good window design and implementation practices, including window title bars and layout of controls and entry fields.	Application windows conform to standard GUI design and implementation practices.
1.5.16	The operator observes operating characteristics of the system. Any instances where child windows remain visible following the closing of the parent window are noted.	Parent windows may create child windows in the normal course of program execution. When the parent window is closed, all child windows created by the parent window should also be closed automatically.
1.5.17	The operator tests the functionality of the system on multiple platforms.	The system exhibits the same suite of functionality on all platforms and the use of that functionality is similar and intuitive in all implementations.

1.5.18	Observe the design and operating characteristics of the system and the use of selection lists.	Selection lists or pull-downs are used wherever possible in preference to input fields, and are populated from database tables rather than hard-coded lists to facilitate maintenance.
1.5.19	The operator attempts to enter and/or change information in display fields.	The display fields cannot be altered.

Table 1-5 Graphical User Interface Capabilities on All Client Platforms

1.6 REQUIRED INPUT FIELDS

Input fields are identified in the system design as required or optional. Required input fields are validated to assure that they contain data. Missing input data is indicated by an error message and the operator cannot proceed until the data has been supplied or the input operation has been canceled.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
REQUIREMENT: Required input fields are validated to assure that they contain data.		
1.6.1	The operator observes the operating characteristics of the system and notes any instances where input fields are required.	Required input fields are validated for presence of data. Field validation is performed through client functionality to permit immediate indication of error conditions.
1.6.2	Observe specificity and presentation of error messages.	Error messages are specific to the type of error condition and the field name.
1.6.3	Confirm that required input fields cannot be bypassed.	Bypassing of required input fields is not permitted.

Table 1-6 Required Input Fields

1.7 VALIDATION OF INPUT DATA

Input fields are validated to assure that they contain appropriate data types (e.g. alphabetic, numeric, alpha-numeric, presence or absence of special characters, etc.). Where the acceptable content of input fields can be defined, they are checked for specific values and/or ranges of data. Date fields and definable codes are validated for format and content. Input fields are validated by the client functionality to permit detection and correction of error conditions at their source. Checking is performed on a field by field basis and error messages are displayed that indicate the type of error condition and its field location. Validation includes data length, data type, and format and content of the data where appropriate (i. e., dates, review plan numbers, etc.). Protected fields, such as passwords, are obscured or non-displayed.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
REQUIREMENT: Checking is performed on a field-by-field basis and error messages are displayed that indicate the type of error condition and the field name. Validation includes data length, data type, and format and content of the data where appropriate (i. e., dates, review plan numbers, etc.). Protected fields, such as passwords, are obscured or non-displayed.		
1.7.1	Observe the design and operating characteristics of the system. Note any instances where keyed input fields are required and confirm validation characteristics for each instance.	Input fields are validated as appropriate for the type and characteristics of the information required by the field.
1.7.2	Observe validation of data types for input fields.	Field validation is performed through client functionality to permit immediate indication of error conditions.
1.7.3	Observe format and content validation for date and other formatted fields such as review plan numbers.	Formatted fields and date fields are checked for format and valid content.
1.7.4	Observe validation of field lengths	Lengths of fixed length fields are validated.
1.7.5	Observe specificity and presentation of error messages.	Error messages are specific to the type of error condition and the field name.
1.7.6	Observe presentation of protected fields such as passwords.	Protected fields such as passwords are obscured or hidden.

Table 1-7 Validation of Input Fields

1.8 ERROR MESSAGES

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Functional error messages that indicate the type of error condition and any corrective action to be taken by the user are displayed as required. Error conditions are indicated as soon as possible after entry of the data and/or detection of the error condition to permit the user to correct the data and/or respond to the error. Error messages are prominently displayed and remain on the screen long enough to be viewed and interpreted by the user. Once the error condition has been displayed and the user has responded to it, the error message is erased from the screen.

Error conditions that require intervention by the system administrator, such as RPC errors, are indicated and further user interaction is suspended until the appropriate actions have been taken.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
REQUIREMENT: Functional error messages that indicate the type of error condition and any corrective action to be taken by the user are displayed as required as soon as possible after entry of the data and/or detection of the error condition to permit the user to correct the data and/or respond to the error.		
1.8.1	Observe the operating characteristics and presentation of error messages. Confirm that all detected error conditions are identified by functional error messages.	Error messages are functional in their presentation, and indicate the error condition and any corrective action that the user must take.
1.8.2	Observe consistency of error messages.	Error messages are standardized. The same error message appears for the same condition throughout the system.
1.8.3	Observe the presentation of error messages. Confirm that all error messages are prominently displayed.	Error messages are displayed in a manner that is highly visible to the user.
1.8.4	Confirm that error messages remain on the screen long enough to be read and to permit user response.	Error messages remain visible until a user response is completed.
1.8.5	Confirm that error messages are removed from the screen following user response.	Following user response to an error message, the message is removed from the screen.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
1.8.6	Observe critical error conditions requiring intervention by the system administrator and confirm that, following display of the error message, further user interaction is blocked until the error condition has been corrected.	The system notifies the user of critical error conditions immediately and indicates that further interaction will not be permitted until the system administrator has corrected the error condition.

Table 1-8 Error Messages

1.9 ADVISORY MESSAGES

Advisory messages are provided as needed for lengthy transactions to inform the user that processing is has begun on a transaction and/or that processing of the current transaction has been completed. Advisory messages are erased from the screen following the next user action or response, or by entry of a specified user response.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
REQUIREMENT: Advisory messages are provided as needed for lengthy transactions to inform the user that processing is has begun or has completed for a transaction.		
1.9.1	The operator observes the specificity and presentation of advisory messages. Advisory messages are displayed for transactions that are sufficiently lengthy to raise doubt in the user's mind about the proper operation of the system. Instances where advisory messages are needed but not present are noted.	Advisory messages are displayed to indicate when a long-running transaction is in process.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
1.9.2	The operator observes the processing of critical transactions and checks for the presence of appropriate advisory messages to signal the completion of the transaction. Instances where advisory messages are needed but not present are noted.	Advisory messages are displayed to indicate the completion of transactions when there is no other way for the user to be notified of successful completion.
1.9.3	The operator observes the presentation and removal of advisory messages. Instances where advisory messages are needed but not present are noted.	Advisory messages are displayed in a manner that is highly visible to the user. Advisory messages remain visible until a user response is completed. Following user response to an advisory message, the message are removed from the screen.

Table 1-9 Advisory Messages

1.10 CONTEXT-SENSITIVE HELP

Context sensitive help facilities are provided for all client screens and functionality. Each application screen includes an explicit control to invoke help facilities. Help facilities are also available as a selection on the main menu.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
REQUIREMENT: Context sensitive help facilities are provided for all client screens and functionality.		
1.10.1	The operator observes client functionality and screens and tests the help facilities.	Help messages are displayed when selected by explicit help controls.
1.10.2	Screen instances where context sensitive help messages are not present and/or not functional are noted.	Help screens are required for each help control.

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TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
1.10.3	Multi-level help screens are implemented as needed.	Multi-level help screens are implemented as needed. Child help screens are removed automatically when the parent help screen is removed.
1.10.4	The operator observes the specificity and presentation of help messages.	Help screens are specific and clearly presented.
1.10.5	The operator examines each screen for the presence of an explicit help control.	Each application screen has a help control.
1.10.6	The functionality of each explicit help control is tested. The operator observes the specificity and presentation of help messages.	Context sensitive help messages are displayed in response to selection of explicit help controls from application screens.
1.10.7	The operator invokes the help system from the main menu action bar and observe its functionality and contents.	Help messages are available to the user from the main menu as well as through selection of explicit help controls from application screens.
1.10.8	The operator selects and observes the "About" help screen.	The help facility includes an "About" screen that clearly identifies the version and revision levels of the software. BUG 0075

Table 1-10 Context Sensitive Help

1.11 HARD-COPY REFERENCE FOR ERROR, WARNING, AND ADVISORY MESSAGES

Hard-copy reference materials are provided for all error, warning, and advisory messages, indicating the message, the condition(s) causing the message to display, and the appropriate user response.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
REQUIREMENT: Hard-copy reference materials are provided for all error, warning, and advisory messages, indicating the message, the condition(s) causing the message to display, and the appropriate user response.		
1.11.1	The operator reviews the hard copy listing of error, warning, and advisory messages and compares them to messages displayed in the application screens.	The hard copy listing of messages corresponds exactly to the message displays in the applications screens.
1.11.2	Instances of missing messages are noted.	Hard copy listings include information for each message that describes the underlying cause of the condition and the required operator action to correct the condition.
1.11.3	Instances of inconsistent wording of messages are noted.	Wording of error messages is consistent so that the same condition arising at different points in the system results in the same error message being displayed.

Table 1-11 Hard-Copy Reference for Error, Warning, and Advisory Messages TEST

1.12 LOGON PROCESSING FOR ALL CNWRA USER CLASSES AND THE NRC_CUSTODIAN, AND NRC_DBA USER CLASSES

System security is controlled by User-IDs and passwords and is implemented through the security capabilities of the underlying operating system on each hardware/software platform. Each user is assigned to a specific user class associated with his User-ID. The user class determines the user's permissions and authorities and enables functionality selectively that is appropriate to the specific user. The User-ID and passwords are not apparent to NRC users because the system initialization script performs an automatic logon as a member of the "nrc_user" class. However, custodian and DBA users must enter a valid User-id and password.

To access the system, CNWRA users and NRC custodian and DBA users must have a valid User-ID and password. User-IDs and initial passwords are issued by the system administrator when access to the system is first granted. All new users are initially assigned an arbitrary password by the system administrator. Thereafter, password maintenance is the responsibility of the user. When a user initiates

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the client functionality on his workstation, the system displays an initial Logon screen for entry of the User-ID and current password.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
REQUIREMENT: The first screen displayed after initiation of client functionality is the TDOCS Logon Screen.		
✓ 1.12.1	The operator initiates client functionality and observes the Logon entry screen.	The system displays the DWM Logon screen and waits for user input. BUG 007 (Fixed 06/02/95)
✓ 1.12.2	The operator attempts to bypass entry of the User-ID and password and observes the system response.	The system displays an error message: You Must Enter BOTH a User-ID and Password The system requires entry of the User-ID and password. BUG 008 (Fixed 06/02/95)
✓ 1.12.3	The enters a password but no User-ID.	The system displays an error message: You Must Enter BOTH a User-ID and Password The system requires entry of the User-ID and password.
✓ 1.12.4	The enters a User-ID but no password.	The system displays an error message: You Must Enter BOTH a User-ID and Password The system requires entry of the User-ID and password.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.12.5	The operator attempts a Logon with the User-ID in uppercase and the Password entered in either uppercase or lowercase.	<p>The system displays an error message: Invalid User-ID and/or password.</p> <p>The system requires entry of the User-ID and password.</p> <p>BUG 0013 (Fixed 06/02/95)</p>
~✓ 1.12.6	The operator attempts to enter an invalid User-ID with a valid password.	<p>The system displays an error message: Invalid User-ID and/or password.</p> <p>The system requires entry of the User-ID and password.</p> <p>BUG 0014 (Fixed 06/02/95)</p>
✓ 1.12.7	The operator attempts to enter a valid User-ID with leading spaces.	<p>The system strips the leading spaces and accepts the User-ID.</p> <p>BUG 0015 (Fixed)</p>
✓ 1.12.8	The operator attempts to enter a valid User-ID with trailing spaces.	<p>The system strips the trailing spaces and accepts the User-ID.</p> <p>BUG 0016 (Fixed 06/02/95)</p>
✓ 1.12.9	The operator attempts to enter a very long User-ID.	<p>The User-ID is truncated to the right at the maximum allowable length. If the resulting truncated user-ID is not valid, the system displays an error message:</p> <p>Invalid User-ID and/or password.</p> <p>BUG 0018 (Fixed 06/02/95)</p>

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.12.10	The operator attempts to enter a User-ID with embedded spaces.	The system displays an error message: Invalid Use-ID and/or password. The system requires entry of the User-ID and password.
✓ 1.12.11	The operator attempts to enter a User-ID with embedded punctuation characters.	The system displays an error message: Invalid User-ID and/or password. The system requires entry of the User-ID and password.
✓ 1.12.12	The operator attempts to enter a valid User-ID and a valid password with leading spaces.	The system strips the leading spaces and accepts the password.
✓ 1.12.13	The operator attempts to enter a valid password with trailing spaces.	The system strips the trailing spaces and accepts the password.
✓ 1.12.14	The operator attempts to enter a very long password.	The password is truncated to the right at the maximum allowable length. BUG 0018 (Fixed 06/02/95)
✓ 1.12.15	The operator attempts to enter a password with embedded spaces.	The system displays an error message: Invalid User-ID and/or password. The system requires entry of the User-ID and password.
✓ 1.12.16	The operator attempts to enter a password with embedded punctuation characters.	The system displays an error message: Invalid User-ID and/or password. The system requires entry of the User-ID and password.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.12.17	The operator attempts to enter a valid User-ID with an invalid password.	The system displays an error message: Invalid User-ID and/or password. The system requires entry of the User-ID and password.
✓ 1.12.18	The operator enters a valid User-ID with a valid password.	The Logon completes and the TDOCS Main Menu appropriate to the user class is displayed.
✓ 1.12.19	Operator observes User-ID and password fields after unsuccessful logon attempts	Both the User-ID and password entry fields are cleared. BUG 0076
✓ 1.12.20	Operator uses the TAB key to move the focus of the entry screen.	The focus moves to successive fields, changing their appearance to indicate the current focus. BUG 0057 (Fixed 06/02/95) BUG 0077 BUG 0079
✓ 1.12.21	The operator selects the Help push-button.	The Logon Help Screen displays BUG 0078
✓ 1.12.22	The operator selects the Exit push-button.	The logon process terminates followed by termination of the TDOCS client processing.
✓ 1.12.23	The operator executes successive Logons and enters valid User-IDs and password for each class of user to test enabling of authorities and permissions.	The system enables the appropriate authorities and permissions for each user class as defined for the specific User-ID and password.

Table 1-12 Logon Processing for CNWRA Users and NRC Custodian and DBA Users TEST

1.13 PASSWORD MAINTENANCE

When a new User-ID is established, the Database Administrator assigns an arbitrary password. This password should be changed the first time the user accesses the system in order to make the User-ID secure. For continued security, the user's password should be changed periodically. For all users other than those of the nrc_user class, the system permits passwords to be changed at any time, using the Change Password entry in the Operations pull-down menu.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
REQUIREMENT: For all users other than those of the nrc_user class, the system permits passwords to be changed at any time, using the Change Password entry in the Operations pull-down menu.		
✓ 1.13.1	The operator initiates client functionality as a user from any CNWRA user class or a user of the nrc_cust or dba_user class and observes the Logon entry screen.	The system displays the DWM Logon screen and waits for user input.
✓ 1.13.2	The operator enters a valid User-ID with a valid password.	The Logon completes and the TDOCS Main Menu appropriate to the user class is displayed.
✓ 1.13.3	The operator selects the OPERATIONS entry from the Main Menu.	The OPERATIONS pull-down menu is displayed, containing an entry for Change Password.
✓ 1.13.4	The operator selects the Change Password entry in the Operations pull-down menu.	The Change Password entry screen is displayed.
✓ 1.13.5	The operator selects the CHANGE push-button without entering a password.	The system displays an error message- Password must be at least 4 characters
✓ 1.13.6	The operator enters a password (junk) in both the password and Reenter password fields.	The system changes the current password to "junk" BUG 056

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.13.7	The operator attempts to enter a very long password ("junkabcdabcdabcdabcdabcd").	The password is truncated to the right at the maximum allowable length, and the password is changed if the password and reenter password fields match. BUG 0081
✓ 1.13.8	The operator attempts to enter a password with embedded punctuation characters.	The system accepts passwords with embedded punctuation as long as the new password matches the reenter password. BUG 072
✓ 1.13.9	The operator attempts to enter a valid password with leading spaces.	The system strips the leading spaces and accepts the password. BUG 0058 (Fixed 06/06/95)
✓ 1.13.10	The operator selects the HELP push-button on the Change Password screen	The Change Password HELP Window is displayed.
✓ 1.13.11	The operator uses the TAB key to select the CLOSE push-button and presses RETURN.	The change password window closes. BUG 0080

Table 1-13 Password Maintenance

1.14 FUNCTIONALITY AVAILABLE TO THE NRC_USER CLASS ON NON-SCANNING PLATFORMS

User classes are defined to limit functionality available to selected user groups and to form the basis for controlling permissions and authorities. The following table summarizes the functionality available to the nrc_user class on non-scanning platforms.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
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REQUIREMENT: The nrc_user class limits functionality to those features authorized for all NRC users.		
✓ 1.14.1	The operator starts the TDOCS system either from (i) a designated NRC system without scanning capabilities or (ii) using the command line with appropriate options to invoke the NRC_USER class without scanning capabilities.	The system bypasses the logon screen and performs an automatic logon for the nrc_user class. The nrc_user class Main Menu is displayed with entries for - OPERATIONS SEARCH REPORT TDAS HELP
✓ 1.14.2	The operator selects the OPERATIONS entry in the Main Menu.	The Operations pull-down menu displays including entries for - EXIT
✓ 1.14.3	The operator selects the SEARCH entry in the Main Menu.	The SEARCH pull-down menu displays including entries for - TDOCS
✓ 1.14.4	The operator selects the TDOCS entry in the SEARCH pull-down menu.	The TDOCS SEARCH cascading menu displays including entries for - ALL ----- Technical Documents Regulations NUREGS/Technical Positions ----- NIST Corrosion Database Hydrologic Bibliographic Database ----- Low Level Waste ----- CNWRA Reports

1.14.5	OBSOLETE - THE SCREEN SEQUENCE HAS CHANGED	
✓ 1.14.6	The operator selects the TDOCS entry in the REPORT pull-down menu.	The TDOCS REPORT pull_down menu displays with entries for- Reference reports Database Statistics New Acquisition
✓ 1.14.7	The operator selects the TDAS entry in the Main Menu.	The TDAS pull-down menu displays with entries for- National Geophysical Data Center National Climatic Data Center ----- Federal Geographic Data Products EROS Data Center National Earthquake Information Center USGS Data Locators ----- Open File Rpt. 93-707: Spurr Volcano Open File Rpt. 94-152: Offshore Sludge Dumpsite ----- GLIS - Global Land Information System
✓ 1.14.8	The operator selects the HELP entry in the Main Menu.	The HELP pull-down menu displays including entries for- Help Help Index About
1.14.9	The operator selects the HELP entry in the Help pull-down menu.	The Main Menu HELP screen displays
1.14.10	The operator selects the HELP INDEX entry in the Help pull-down menu.	The HELP Index screen displays with entries for -
1.14.11	The operator selects each entry in the HELP INDEX screen.	The appropriate HELP screens display

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Table 1-14 Functionality available to the nrc_user class on non-scanning platforms

1.15 FUNCTIONALITY AVAILABLE TO THE NRC_USER ON SCANNING PLATFORMS

User classes are defined to limit functionality available to selected user groups and to form the basis for controlling permissions and authorities. The following table summarizes the functionality available to the nrc_user class on scanning platforms.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
REQUIREMENT: The nrc_user class limits functionality to those features authorized for all NRC users.		
✓ 1.15.1	The operator starts the TDOCS system either from (i) a designated NRC system with scanning capabilities or (ii) using the command line with appropriate options to invoke the nrc_user class with scanning capabilities.	The system bypasses the logon screen and performs an automatic logon for the nrc_user class. The nrc_user class Main Menu is displayed with entries for - OPERATIONS SEARCH REPORT TDAS HELP
1.15.2	The operator selects the OPERATIONS entry in the Main Menu.	The Operations pull-down menu displays including entries for - SCAN and OCR EXIT
✓ 1.15.3	The operator selects the SEARCH entry in the Main Menu.	The SEARCH pull-down menu displays including entries for - TDOCS

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.15.4	The operator selects the TDOCS entry in the SEARCH pull-down menu.	<p>The TDOCS SEARCH cascading menu displays including entries for -</p> <p>ALL</p> <p>-----</p> <p>Technical Documents Regulations NUREGS/Technical Positions</p> <p>-----</p> <p>NIST Corrosion Database Hydrologic Bibliographic Database</p> <p>-----</p> <p>Low Level Waste</p> <p>-----</p> <p>CNWRA Reports</p>
1.15.5	OBSOLETE - THE SCREEN SEQUENCES HAVE CHANGED.	
✓ 1.15.6	The operator selects the TDOCS entry in the REPORT pull-down menu.	<p>The TDOCS REPORT pull-down menu displays with entries for-</p> <p>Reference reports Database Statistics New Acquisition...</p>
✓ 1.15.7	The operator selects the Reference Reports entry in REPORT pull-down menu.	<p>The TDOCS Reference Report selection Window displays with entries for-</p> <p>Hydrology Reference reports NIST Reference Report</p>
✓ 1.15.8	The operator selects the Database Statistics entry in REPORT pull-down menu.	The Database Statistics Report executes and displays
✓ 1.15.9	The operator selects the New Acquisition entry in REPORT pull-down menu.	The New Acquisitions Report entry screen is displayed

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.15.10	The operator selects the TDAS entry in the Main Menu.	<p>The TDAS pull-down menu displays with entries for-</p> <p>National Geophysical Data Center National Climatic Data Center</p> <p>-----</p> <p>Federal Geographic Data Products EROS Data Center National Earthquake Information Center USGS Data Locators</p> <p>-----</p> <p>Open File Rpt. 93-707: Spurr Volcano Open File Rpt. 94-152: Offshore Sludge Dumpsite</p> <p>-----</p> <p>GLIS - Global Land Information System</p>
✓ 1.15.11	The operator selects the HELP entry in the Main Menu.	<p>The HELP pull-down menu displays including entries for-</p> <p>Help Help Index About</p>
✓ 1.15.12	The operator selects the HELP entry in the Help pull-down menu.	<p>The Main Menu HELP screen displays with radio buttons for -</p> <p>Operations Search Report TDAS</p>
✓ 1.15.13	The operator selects the Operations radio-button from the Main Menu HELP screen.	<p>The Operations HELP Window displays with radio buttons for -</p> <p>Exit</p>
✓ 1.15.14	The operator selects the Exit radio-button from the Operations HELP Window.	The Operations Exit HELP Window displays

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.15.15	The operator selects the Search radio-button from the Main Menu HELP screen.	The Search HELP Window displays with radio buttons for - TDOCS
✓ 1.15.16	The operator selects the TDOCS radio-button from the Search HELP Window.	The Search TDOCS HELP Window displays BUG 0087
✓ 1.15.17	The operator selects the Report radio-button from the Main Menu HELP screen.	The Report Types HELP Window displays with radio buttons for - TDOCS Reference Reports Database Statistics BUG 0083
✓ 1.15.18	The operator selects the TDOCS radio-button from the Report Types HELP Window.	The Report TDOCS HELP Window displays BUG 0084
✓ 1.15.19	The operator selects the Reference Reports radio-button from the Report Types HELP Window.	The Reference Reports HELP Window displays
✓ 1.15.20	The operator selects the Database Statistics radio-button from the Report Types HELP Window.	The Database Statistics HELP Window displays
✓ 1.15.21	The operator selects the TDAS radio-button from the Main Menu HELP screen.	The TDAS HELP Window displays
✓ 1.15.22	The operator selects the HELP INDEX entry in the Help pull-down menu.	The HELP Index screen displays with entries for - Acquisitions Report HELP ????? BUG 0088

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.15.23	The operator selects each entry in the HELP INDEX Window.	The appropriate HELP screens display
✓ 1.15.24	The operator selects the ABOUT entry from the Help pull-down menu.	The ABOUT window displays BUG 0089

Table 1-15 Functionality available to the nrc_user class on scanning platforms

1.16 FUNCTIONALITY AVAILABLE TO THE CNWRA_USER CLASS ON NON-SCANNING PLATFORMS

User classes are defined to limit functionality available to selected user groups and to form the basis for controlling permissions and authorities. The following table summarizes the functionality available to the cnwra_user class on non-scanning platforms.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
REQUIREMENT: The cnwra_user class limits functionality to those features authorized for all CNWRA users.		
✓ 1.16.1	The operator starts the TDOCS system from any CNWRA system without scanning capabilities.	The system displays the DWM logon screen.
✓ 1.16.2	The operator enters a valid User-ID and password for a cnwra_user class user.	The cnwra_user class Main Menu is displayed with entries for - OPERATIONS SEARCH REPORT TDAS HELP
✓ 1.16.3	The operator selects the OPERATIONS entry in the Main Menu.	The Operations pull-down menu displays including entries for - Change Password Exit

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.16.4	The operator selects the SEARCH entry in the Main Menu.	The SEARCH pull-down menu displays including entries for - TDOCS
✓ 1.16.5	The operator selects the TDOCS entry in the Search pull-down menu.	The TDOCS search cascading menu displays including entries for - ALL ----- Technical Documents Regulations NUREGS/Technical Positions ----- NIST Corrosion Database Hydrologic Bibliographic Database ----- CNWRA Reports QA Records Center Correspondence Index
✓ 1.16.6	The operator selects the REPORT entry in the Main Menu.	The REPORT pull-down menu displays including entries for- Reference Reports Database Statistics New Acquisition
✓ 1.16.7	The operator selects the Reference Reports entry in REPORT pull-down menu.	The TDOCS Reference Report selection Window displays with entries for- Hydrology Reference reports NIST Reference Report
✓ 1.16.8	The operator selects the Database Statistics entry in REPORT pull-down menu.	The Database Statistics Report executes and displays
✓ 1.16.9	The operator selects the New Acquisition entry in REPORT pull-down menu.	The New Acquisitions Report entry screen is displayed

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.16.10	The operator selects the TDAS entry in the Main Menu.	<p>The TDAS pull-down menu displays with entries for-</p> <p>National Geophysical Data Center National Climatic Data Center</p> <p>-----</p> <p>Federal Geographic Data Products EROS Data Center National Earthquake Information Center USGS Data Locators</p> <p>-----</p> <p>Open File Rpt. 93-707: Spurr Volcano Open File Rpt. 94-152: Offshore Sludge Dumpsite</p> <p>-----</p> <p>GLIS - Global Land Information System</p>
✓ 1.16.11	The operator selects the HELP entry in the Main Menu.	The HELP pull-down menu displays including entries for- Help Help Index About
✓ 1.16.12	The operator selects the HELP entry in the Help pull-down menu.	The Main Menu HELP screen displays with radio buttons for - Operations Search Report TDAS
✓ 1.16.13	The operator selects the Operations radio-button from the Main Menu HELP screen.	The Operations HELP Window displays with radio buttons for - Change Password Exit
✓ 1.16.14	The operator selects the Change Password radio-button from the Operations HELP Window.	The Operations Change Password HELP Window displays

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.16.15	The operator selects the Exit radio-button from the Operations HELP Window.	The Operations Exit HELP Window displays
✓ 1.16.16	The operator selects the Search radio-button from the Main Menu HELP screen.	The Search HELP Window displays with radio buttons for - TDOCS
✓ 1.16.17	The operator selects the TDOCS radio-button from the Search HELP Window.	The Search TDOCS HELP Window displays
✓ 1.16.18	The operator selects the Report radio-button from the Main Menu HELP screen.	The Report Types HELP Window displays with radio buttons for - TDOCS Reference Reports Database Statistics BUG 0083
✓ 1.16.19	The operator selects the TDOCS radio-button from the Report Types HELP Window.	The Report TDOCS HELP Window displays BUG 0084
✓ 1.16.20	The operator selects the Reference Reports radio-button from the Report Types HELP Window.	The Reference Reports HELP Window displays
✓ 1.16.21	The operator selects the Database Statistics radio-button from the Report Types HELP Window.	The Database Statistics HELP Window displays
✓ 1.16.22	The operator selects the TDAS radio-button from the Main Menu HELP screen.	The TDAS HELP Window displays

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.16.23	The operator selects the HELP INDEX entry in the Help pull-down menu.	The HELP Index screen displays with entries for - Logon Help Change Password HELP New Acquisitions Report HELP BUG 0085
✓ 1.16.24	The operator selects each entry in the HELP INDEX Window.	The appropriate HELP screens display
✓ 1.16.25	The operator selects the ABOUT entry from the Help pull-down menu.	The ABOUT window displays

Table 1-16 Functionality available to the cnwra_user class on non-scanning platforms

1.17 FUNCTIONALITY AVAILABLE TO THE CNWRA_USER CLASS ON SCANNING PLATFORMS

User classes are defined to limit functionality available to selected user groups and to form the basis for controlling permissions and authorities. The following table summarizes the functionality available to the cnwra_user class on scanning platforms.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
REQUIREMENT: The cnwra_user class limits functionality to those features authorized for all CNWRA users.		
✓ 1.17.1	The operator starts the TDOCS system from any CNWRA platform system with scanning capabilities.	The system displays the DWM logon screen.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.17.2	The operator enters a valid User-ID and password for a cnwra_user class user.	The cnwra_user class Main Menu is displayed with entries for - OPERATIONS SEARCH REPORT TDAS HELP
✓ 1.17.3	The operator selects the OPERATIONS entry in the Main Menu.	The Operations pull-down menu displays including entries for - SCAN and OCR CHANGE PASSWORD EXIT
✓ 1.17.4	The operator selects the SEARCH entry in the Main Menu.	The SEARCH pull-down menu displays including entries for - TDOCS
✓ 1.17.5	The operator selects the TDOCS entry in the Search pull-down menu.	The TDOCS search cascading menu displays including entries for - All ----- Technical Documents Regulations NUREGS/Technical Positions ----- NIST Corrosion Database Hydrologic Bibliographic Database ----- CNWRA Reports QA Records Center Correspondence Index
✓ 1.17.6	The operator selects the REPORT entry in the Main Menu.	The REPORT pull-down menu displays including entries for- Reference Reports Database Statistics New Acquisition

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.17.7	The operator selects the TDAS entry in the Main Menu.	<p>The TDAS pull-down menu displays with entries for-</p> <p>National Geophysical Data Center National Climatic Data Center</p> <p>-----</p> <p>Federal Geographic Data Products EROS Data Center National Earthquake Information Center USGS Data Locators</p> <p>-----</p> <p>Open File Rpt. 93-707: Spurr Volcano Open File Rpt. 94-152: Offshore Sludge Dumpsite</p> <p>-----</p> <p>GLIS - Global Land Information System</p>
✓ 1.17.8	The operator selects the HELP entry in the Main Menu.	<p>The HELP pull-down menu displays including entries for-</p> <p>Help Help Index About</p>
1.17.9	The operator selects the HELP entry in the Help pull-down menu.	The Main Menu HELP screen displays
1.17.10	The operator selects the HELP INDEX entry in the Help pull-down menu.	The HELP Index screen displays with entries for -
1.17.11	The operator selects each entry in the HELP INDEX screen.	The appropriate HELP screens display

Table 1-17 Functionality available to the cnwra_user class on scanning platforms

1.18 FUNCTIONALITY AVAILABLE TO THE NRC_CUSTODIAN CLASS

User classes are defined to limit functionality available to selected user groups and to form the basis for controlling permissions and authorities. The following table summarizes the functionality available to the nrc_cust class.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
REQUIREMENT: The nrc_cust class limits functionality to those features authorized only for NRC custodian users.		
✓ 1.18.1	The operator starts the TDOCS system from a designated NRC platform with scanning capabilities.	The system displays the DWM logon screen.
✓ 1.18.2	The operator enters a valid User-ID and password for a nrc_cust class user.	The nrc_cust class Main Menu is displayed with entries for - OPERATIONS SEARCH CUSTODIAN REPORT TDAS HELP
✓ 1.18.3	The operator selects the OPERATIONS entry in the Main Menu.	The Operations pull-down menu displays including entries for - CHANGE PASSWORD SCAN and OCR EXIT
✓ 1.18.4	The operator selects the SEARCH entry in the Main Menu.	The SEARCH pull-down menu displays including entries for - TDOCS

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.18.5	The operator selects the TDOCS entry in the SEARCH pull-down menu.	The TDOCS SEARCH cascading menu displays including entries for - ALL ----- Technical Documents Regulations NUREGS/Technical Positions ----- NIST Corrosion Database Hydrologic Bibliographic Database ----- CNWRA Reports
✓ 1.18.6	The operator selects the CUSTODIAN entry in the Main Menu.	The Custodian pull-down menu displays including entries for- Submit TDOCS Record Update TDOCS Record Delete TDOCS Record
✓ 1.18.7	The operator selects the Submit TDOCS Record entry from the CUSTODIAN pull-down menu	The TDOCS submit screen is displayed.
✓ 1.18.8	The operator selects the Document Set drop-down indicator from the document set entry field.	The system displays a drop down list of document sets available to NRC custodians, including - NRC Technical Documents Low-Level Waste
✓ 1.18.9	The operator selects the Help push-button	The Submit Help Window is displayed. BUG 0091
✓ 1.18.10	The operator selects the Document Set drop-down indicator from the document set entry field.	The system displays a drop down list of document sets available to NRC custodians, including - NRC Technical Documents Low-Level Waste

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.18.11	The operator selects Low-Level Waste from the document set drop-down list.	The document set is changed to Low-Level Waste.
✓ 1.18.12	The operator selects the Help push-button	The Submit Help Window is displayed. BUG 0092
✓ 1.18.13	The operator selects the Update TDOCS Record entry from the CUSTODIAN pull-down menu	The TDOCS update screen is displayed.
✓ 1.18.14	The operator selects the Document Set drop-down indicator from the document set entry field.	The system displays a drop down list of document sets available to NRC custodians, including - NRC Technical Documents Low-Level Waste
✓ 1.18.15	The operator selects the Help push-button	The Update Help Window is displayed. BUG 0093
✓ 1.18.16	The operator selects the Document Set drop-down indicator from the document set entry field.	The system displays a drop down list of document sets available to NRC custodians, including - NRC Technical Documents Low-Level Waste
✓ 1.18.17	The operator selects Low-Level Waste from the document set drop-down list.	The document set is changed to Low-Level Waste.
✓ 1.18.18	The operator selects the Help push-button	The Update Help Window is displayed. BUG 0093
✓ 1.18.19	The operator selects the Delete TDOCS Record entry from the CUSTODIAN pull-down menu	The TDOCS Delete screen is displayed.
✓ 1.18.20	The operator selects the Help push-button	The Delete Help Window is displayed.

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TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.18.21	The operator selects the Document Set drop-down indicator from the document set entry field.	The system displays a drop down list of document sets available to NRC custodians, including - NRC Technical Documents Low-Level Waste
✓ 1.18.22	The operator selects the REPORT entry in the Main Menu.	The REPORT pull-down menu displays including entries for- Reference Reports Database Statistics New Acquisition
✓ 1.18.23	The operator selects the Reference Reports entry from the REPORT pull-down menu.	The reference reports selection screen appears with entries for - Hydrology References NIST Citations
✓ 1.18.24	The operator selects the HELP push-button from the reference reports selection screen	The reference reports help screen is displayed.
✓ 1.18.25	The operator selects the NIST Citations report and selects the OK push-button.	The NIST report executes and displays.
✓ 1.18.26	The operator selects the Hydrology References and selects the OK push-button.	The Hydrology report executes and displays.
✓ 1.18.27	The operator selects the Database Statistics entry from the REPORT pull-down menu.	The Database Statistics Report Screen is displayed.
✓ 1.18.28	The operator selects the Help push-button	The Report Display Help Window is displayed. BUG 0094
✓ 1.18.29	The operator selects the NEW ACQUISITIONS entry from the TDOCS REPORTS pull-down menu.	The TDOCS New Acquisitions Report Screen is displayed.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.18.30	The operator selects the Help push-button	The New Acquisitions Help Window is displayed.
✓ 1.18.31	The operator selects the Document Set drop-down indicator from the document set entry field.	The system displays a drop down list of document sets available to NRC custodians, including - NRC Technical Documents Low-Level Waste
✓ 1.18.32	The operator selects the Help push-button	The New Acquisitions Help Window is displayed.
✓ 1.18.33	The operator selects TDAS from the Main Menu	The TDAS pull-down menu displays.
✓ 1.18.34	The operator selects the National Geophysical Data Center from the TDAS pull Down Menu	The system accesses Mosaic and displays the selected home page. BUG 0095
✓ 1.18.35	The operator selects the HELP entry in the Main Menu.	The HELP pull-down menu displays including entries for- Help Help Index About
✓ 1.18.36	The operator selects the HELP entry in the Help pull-down menu.	The Main Menu HELP screen displays with radio buttons for - Operations Search Custodian Report TDAS
✓ 1.18.37	The operator selects the Operations radio-button from the Main Menu HELP screen.	The Operations HELP Window displays with radio buttons for - Change Password SCAN and OCR Exit BUG 0096

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.18.38	The operator selects the Exit radio-button from the Operations HELP Window.	The Operations Exit HELP Window displays
✓ 1.18.39	The operator selects the Search radio-button from the Main Menu HELP screen.	The Search HELP Window displays with radio buttons for - TDOCS
✓ 1.18.40	The operator selects the TDOCS radio-button from the Search HELP Window.	The Search TDOCS HELP Window displays BUG 0087
✓ 1.18.41	The operator selects the Report radio-button from the Main Menu HELP screen.	The Report Types HELP Window displays with radio buttons for - TDOCS Reference Reports Database Statistics BUG 0083
✓ 1.18.42	The operator selects the TDOCS radio-button from the Report Types HELP Window.	The Report TDOCS HELP Window displays BUG 0084
✓ 1.18.43	The operator selects the Reference Reports radio-button from the Report Types HELP Window.	The Reference Reports HELP Window displays
✓ 1.18.44	The operator selects the Database Statistics radio-button from the Report Types HELP Window.	The Database Statistics HELP Window displays
✓ 1.18.45	The operator selects the TDAS radio-button from the Main Menu HELP screen.	The TDAS HELP Window displays

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TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.18.46	The operator selects the HELP INDEX entry in the Help pull-down menu.	The HELP Index screen displays with entries for - Acquisitions Report HELP ????? BUG 0088
✓ 1.18.47	The operator selects each entry in the HELP INDEX Window.	The appropriate HELP screens display
✓ 1.18.48	The operator selects the ABOUT entry from the Help pull-down menu.	The ABOUT window displays BUG 0089

Table 1-18 Functionality available to the NRC_CUST class.

1.19 FUNCTIONALITY AVAILABLE TO THE CNWRA CUSTODIAN CLASS

User classes are defined to limit functionality available to selected user groups and to form the basis for controlling permissions and authorities. The following table summarizes the functionality available to the CNWRA_CUSTODIAN class.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
REQUIREMENT: The CNWRA_CUST class limits functionality to those features authorized only for CNWRA custodian users.		
✓ 1.19.1	The operator starts the TDOCS system from any CNWRA platform with scanning capabilities.	The system displays the DWM logon screen.

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TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.19.2	The operator enters a valid User-ID and password for a CNWRA_CUST class user.	The CNWRA CUSTODIAN class Main Menu is displayed with entries for - OPERATIONS SEARCH CUSTODIAN TDAS REPORT HELP
✓ 1.19.3	The operator selects the OPERATIONS entry in the Main Menu.	The Operations pull-down menu displays including entries for - CHANGE PASSWORD SCAN and OCR EXIT
✓ 1.19.4	The operator selects the SEARCH entry in the Main Menu.	The SEARCH pull-down menu displays including entries for - TDOCS
✓ 1.19.5	The operator selects the TDOCS entry in the SEARCH pull-down menu.	The TDOCS SEARCH cascading menu displays including entries for - ALL ----- Technical Documents Regulations NUREGS/Technical Positions ----- NIST Corrosion Database Hydrologic Bibliographic Database ----- CNWRA Reports
✓ 1.19.6	The operator selects the CUSTODIAN entry in the Main Menu.	The Custodian pull-down menu displays including entries for- Submit TDOCS Record Update TDOCS Record Delete TDOCS Record

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.19.7	The operator selects the Submit TDOCS Record entry from the CUSTODIAN pull-down menu	The TDOCS submit screen is displayed.
✓ 1.19.8	The operator selects the Document Set drop-down indicator from the document set entry field.	<p>The system displays a drop down list of document sets available to CNWRA custodians, including -</p> <p>???</p> <p><i>The drop-down list of document sets includes</i></p> <p><i>Center Technical Docs.</i> <i>Center Correspondence</i> <i>Center Q A Records</i></p>
✓ 1.19.9	The operator selects the Update TDOCS Record entry from the CUSTODIAN pull-down menu	The TDOCS update screen is displayed.
✓ 1.19.10	The operator selects the Document Set drop-down indicator from the document set entry field.	<p>The system displays a drop down list of document sets available to CNWRA custodians, including -</p> <p>???</p> <p><i>The drop-down list of document sets includes</i></p> <p><i>Center Technical Docs.</i> <i>Center Correspondence</i> <i>Center Q A Records</i></p>
✓ 1.19.11	The operator selects the Delete TDOCS Record entry from the CUSTODIAN pull-down menu	The TDOCS Delete screen is displayed.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.19.12	The operator selects the Document Set drop-down indicator from the document set entry field.	<p>The system displays a drop down list of document sets available to CNWRA custodians, including -</p> <p>???</p> <p><i>The drop-down list of document sets includes</i></p> <p><i>Center Technical Docs.</i> <i>Center Correspondence</i> <i>Center Q A Records</i></p> <p><i>There are conditions that can cause the delete window to be hidden behind the main window. This gives the appearance of the delete functionality having been disabled because selecting Delete TDOCS Record from the pull-down menu has no effect.</i></p>
✓ 1.19.13	The operator selects the REPORT entry in the Main Menu.	<p>The REPORT pull-down menu displays including entries for-</p> <p>Reference Reports Database Statistics</p>
✓ 1.19.14	The operator selects the Reference Reports entry from the REPORT pull-down menu.	<p>The reference reports selection screen appears with entries for -</p> <p>Hydrology References NIST Citations</p>
✓ 1.19.15	The operator selects the HELP push-button from the reference reports selection screen	<p>The reference reports help screen is displayed.</p> <p><i>The reference reports help screen is blank</i></p>
✓ 1.19.16	The operator selects the NIST Citations report and selects the OK push-button.	<p>The report executes and displays.</p> <p><i>The wrong report displays. The displayed report is the database statistics for 04/12/95.</i></p>

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.19.17	The operator selects the Hydrology References and selects the OK push-button.	The report executes and displays. <i>The wrong report displays. The displayed report is the database statistics for 04/12/95.</i>
✓ 1.19.18	The operator selects the TDOCS entry from the REPORT pull-down menu.	The TDOCS Reports pull-down menu is displayed with entries for- New Acquisitions
✓ 1.19.19	The operator selects the NEW ACQUISITIONS entry from the TDOCS REPORTS pull-down menu.	The TDOCS New Acquisitions Report Screen is displayed.
✓ 1.19.20	The operator selects the Document Set drop-down indicator in the NEW ACQUISITIONS screen.	The system displays a drop down list of document sets available to CNWRA custodians, including - ??? <i>The drop-down list of document sets includes</i> <i>Center Technical Docs.</i> <i>Center Correspondence</i> <i>Center Q A Records</i>
✓ 1.19.21	The operator attempts to run the New Acquisitions report. (From date = 06 jul 1988; To date = 08 jul 1988)	The report runs, selects one entry, and is available for printing. <i>The report display screen contains no provision to print the report. An entry field is provided that specifies a default file name. Presumably the user stores the file and prints the report off-line. This approach is inconsistent with the print capabilities in other reporting functionality.</i>
1.19.22	The operator attempts to run the database statistics report.	The report runs and
✓ 1.19.	The operator selects TDAS from the Main Menu	The TDAS pull-down menu displays.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.19.	The operator selects the National Geophysical Data Center from the TDAS pull Down Menu	The system accesses Mosaic and displays the selected home page. <i>The process fails with a general protection failure and the system aborts. This error occurs on the Windows port.</i>
✓ 1.19.	The operator selects the HELP entry in the Main Menu.	The HELP pull-down menu displays including entries for-

Table 1-19 Functionality available to the CNWRA_CUST class.

1.20 CNWRA CUSTODIAN SUBMIT FUNCTIONALITY

The custodian functionality permits submission of documents.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
REQUIREMENT: The custodian functionality permits submission of documents.		
✓ 1.20.1	The operator starts the TDOCS system from any CNWRA platform with scanning capabilities.	The system displays the DWM logon screen.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.20.2	The operator enters a valid User-ID and password for a CNWRA_CUST class user.	The CNWRA CUSTODIAN class Main Menu is displayed with entries for - OPERATIONS SEARCH CUSTODIAN TDAS REPORT HELP
✓ 1.20.3	The operator selects the CUSTODIAN entry in the Main Menu.	The Custodian pull-down menu displays including entries for- Submit TDOCS Record Update TDOCS Record Delete TDOCS Record Checkout TDOCS Record Checkin TDOCS Record
✓ 1.20.4	The operator selects the Update TDOCS Record entry from the CUSTODIAN pull-down menu	The TDOCS Update Document Number entry screen is displayed.
✓ 1.20.5	The operator selects the Document Set drop-down indicator from the document set entry field.	The system displays a drop down list of document sets available to CNWRA custodians, including - Center Technical Docs. Center Correspondence Center Q A Records

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.20.6	The operator attempts to enter information in the first entry field.	<p>Keyed information is entered in the first entry field.</p> <p><i>The keyboard focus is set to the document set drop down selection field. Keyed characters are ignored until an entry field has been selected either with the mouse or by pressing the TAB key. When the focus is shifted from the Document Set field, the dashed lines indicating focus are not completely cleared.</i></p>

Table 1-20 CNWRA_CUST Submit Functionality.

1.21 CNWRA CUSTODIAN UPDATE FUNCTIONALITY

The custodian functionality permits update of documents.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
REQUIREMENT: The custodian functionality permits update of documents.		
✓ 1.21.1	The operator starts the TDOCS system from any CNWRA platform with scanning capabilities.	The system displays the DWM logon screen.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.21.2	The operator enters a valid User-ID and password for a CNWRA_CUST class user.	The CNWRA CUSTODIAN class Main Menu is displayed with entries for - OPERATIONS SEARCH CUSTODIAN TDAS REPORT HELP
✓ 1.21.3	The operator selects the CUSTODIAN entry in the Main Menu.	The Custodian pull-down menu displays including entries for- Submit TDOCS Record Update TDOCS Record Delete TDOCS Record Checkout TDOCS Record Checkin TDOCS Record
✓ 1.21.4	The operator selects the Update TDOCS Record entry from the CUSTODIAN pull-down menu	The TDOCS Update Document entry screen is displayed.
✓ 1.21.5	The operator enters an invalid document number and selects the OK push-button	The system displays an error message - document not found.
✓ 1.21.6	The operator attempts to enter information in the first entry field.	The system displays an error message - document not found.
✓ 1.21.7	The operator enters a valid document number and selects the OK push-button	The system retrieves the record from the relational database and displays the header.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.21.8	The operator selects the Document Set drop-down indicator from the document set entry field.	The system displays a drop down list of document sets available to CNWRA custodians, including - Center Technical Docs. Center Correspondence Center Q A Records
✓ 1.21.9	The operator changes the author name and selects the Update push-button to update the header record.	The system updates the header record. BUG 0052
✓ 1.21.10	The operator attempts to update the same record twice.	The system displays a message- Cannot update an updated record BUG 0059
✓ 1.21.11	The operator attempts to update a record with a missing required field.	The update transaction should be rejected because a required field is missing. An error message should display and the update should be suppressed. BUG 0060

Table 1-21 CNWRA_CUST Update Functionality.

1.22 CNWRA CUSTODIAN DELETE FUNCTIONALITY

The custodian functionality permits deletion of documents.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
REQUIREMENT: The custodian functionality permits deletion of documents.		

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.22.1	The operator starts the TDOCS system from any CNWRA .	The system displays the DWM logon screen.
✓ 1.22.2	The operator enters a valid User-ID and password for a CNWRA_CUST class user.	The CNWRA CUSTODIAN class Main Menu is displayed with entries for - OPERATIONS SEARCH CUSTODIAN TDAS REPORT HELP
✓ 1.22.3	The operator selects the CUSTODIAN entry in the Main Menu.	The Custodian pull-down menu displays including entries for- Submit TDOCS Record Update TDOCS Record Delete TDOCS Record Checkout TDOCS Record Checkin TDOCS Record
✓ 1.22.4	The operator selects the <i>Delete TDOCS Record</i> entry from the Custodian pull-down menu	The TDOCS <i>Delete Document</i> entry screen is displayed.
✓ 1.22.5	The operator enters an invalid document number and selects the OK push-button	The system displays an error message - document not found.
✓ 1.22.6	The operator clears the document number and selects the OK push-button.	The system displays an error message - Invalid document number

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.22.7	The operator enters a valid document number with leading spaces and selects the OK push-button.	The leading spaces are stripped from the document number and the deletion confirmation screen is displayed. BUG 0062
✓ 1.22.8	The operator enters a valid document number with trailing spaces and selects the OK push-button.	The trailing spaces are stripped from the document number and the deletion confirmation screen is displayed. BUG 0063
✓ 1.22.9	The operator enters a valid document number of a document that has already been deleted and selects the OK push-button.	The system displays an error message - Cannot delete deleted document BUG 0064
✓ 1.22.10	The operator enters a valid document number of a document that does not exist and selects the OK push-button.	The system displays an error message - Document not found
✓ 1.22.11	The operator enters a document number that is less than 13 characters in length and selects the OK push-button.	The system displays an error message - Invalid document number
✓ 1.22.12	The operator enters a valid document number for an existing document that has not been deleted and selects the OK push-button.	The system displays the TDOCS Confirm screen with the document number and title of the document and waits for confirmation.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.22.13	The operator enters a valid document number for an existing document that has not been deleted and selects the OK push-button. When the TDOCS confirm screen displays, the operator selects the OK push-button to delete the record.	The system displays an advisory message- Record deleted BUG 0065

Table 1-22 CNWRA_CUST Delete Functionality.

1.23 CNWRA CUSTODIAN CHECK-OUT FUNCTIONALITY

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
REQUIREMENT:		
✓ 1.23.1	The operator starts the TDOCS system from any CNWRA platform with scanning capabilities.	The system displays the DWM logon screen.
✓ 1.23.2	The operator enters a valid User-ID and password for a CNWRA_CUST class user.	The CNWRA CUSTODIAN class Main Menu is displayed with entries for - OPERATIONS SEARCH CUSTODIAN TDAS REPORT HELP

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.23.3	The operator selects the CUSTODIAN entry in the Main Menu.	The Custodian pull-down menu displays including entries for- Submit TDOCS Record Update TDOCS Record Delete TDOCS Record Checkout TDOCS Record Checkin TDOCS Record
✓ 1.23.4	The operator selects the Checkout TDOCS Record entry from the CUSTODIAN pull-down menu	The TDOCS Checkout Document entry screen is displayed.

Table 1-23 CNWRA_CUST checkout functionality.

1.24 CNWRA CUSTODIAN CHECK-IN FUNCTIONALITY

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
REQUIREMENT:		
✓ 1.24.1	The operator starts the TDOCS system from any CNWRA platform with scanning capabilities.	The system displays the DWM logon screen.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.24.2	The operator enters a valid User-ID and password for a CNWRA_CUST class user.	The CNWRA CUSTODIAN class Main Menu is displayed with entries for - OPERATIONS SEARCH CUSTODIAN TDAS REPORT HELP
✓ 1.24.3	The operator selects the CUSTODIAN entry in the Main Menu.	The Custodian pull-down menu displays including entries for- Submit TDOCS Record Update TDOCS Record Delete TDOCS Record Checkout TDOCS Record Checkin TDOCS Record
✓ 1.24.4	The operator selects the Checkin TDOCS Record entry from the CUSTODIAN pull-down menu	The TDOCS Checkin Document entry screen is displayed.
✓ 1.24.5		

Table 1-24 CNWRA_CUST Checkin Functionality.

1.25 CNWRA CUSTODIAN CIRCULATION REPORT FUNCTIONALITY

Functionality is provided to prepare, display, and print a circulation report by user, document and time period.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
REQUIREMENT: Functionality is provided to prepare, display, and print a circulation report by user, document and time period.		
✓ 1.25.1	The operator starts the TDOCS system from any CNWRA platform.	The system displays the DWM logon screen.
✓ 1.25.2	The operator enters a valid User-ID and password for a CNWRA_CUST class user.	The CNWRA CUSTODIAN class Main Menu is displayed with entries for - OPERATIONS SEARCH CUSTODIAN TDAS REPORT HELP
✓ 1.25.3	The operator selects the REPORT entry from the Main Menu	The REPORT pull-down menu is displayed with entries for - Reference Reports Database Statistics Circulation New Acquisition Labels
✓ 1.25.4	The operator selects the Circulation entry from the report pull-down menu.	The system displays the Circulation Report entry screen and waits for input.
✓ 1.25.5	The operator selects the Help push-button.	The Circulation Reports help screen displays.

Table 1-25 CNWRA_CUST Circulation Report Functionality.

1.26 NEW ACQUISITIONS REPORT FUNCTIONALITY

Functionality is provided to prepare, display, and print a new acquisitions report for any defined document set and time period.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
REQUIREMENT: Functionality is provided to prepare, display, and print a new acquisitions report for any defined document set and time period.		
✓ 1.26.1	The operator starts the TDOCS system from any CNWRA platform.	The system displays the DWM logon screen.
✓ 1.26.2	The operator enters a valid User-ID and password for a CNWRA_CUST class user.	The CNWRA CUSTODIAN class Main Menu is displayed with entries for - OPERATIONS SEARCH CUSTODIAN TDAS REPORT HELP
✓ 1.26.3	The operator selects the REPORT entry from the Main Menu	The REPORT pull-down menu is displayed with entries for - Reference Reports Database Statistics Circulation New Acquisition Labels
✓ 1.26.4	The operator selects the New Acquisition entry from the report pull-down menu.	The system displays the New Acquisition Report entry screen and waits for input
✓ 1.26.5	The operator selects the Help push-button.	The New Acquisitions Report help screen displays.
✓ 1.26.6	The operator selects the OK push-button without entering any dates	The system displays and error message Date not entered for 'From Date'

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.26.7	The operator enters a valid date in the From Date field but does not enter a date in the To Date field, and selects the OK push-button.	The system displays an error message Date not entered for 'To Date'
✓ 1.26.8	The operator enters an invalid date in the From Date field and selects the OK push-button.	The system displays an error message Invalid Date Format for 'From Date'
✓ 1.26.9	The operator enters a valid date with leading spaces (" 05 may 1995") in the From Date field and a valid date without leading spaces ("24 may 1995") in the To Date field and selects the OK push-button.	The system strips the leading spaces and runs the report. BUG 066

Table 1-26 CNWRA_CUST new acquisitions report functionality.

1.27 REFERENCE REPORT FUNCTIONALITY

Functionality is provided to prepare, display, and print reference reports for hydrology or NIST documents.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
REQUIREMENT: Functionality is provided to prepare, display, and print reference reports for hydrology or NIST documents.		
✓ 1.27.1	The operator starts the TDOCS system from any CNWRA platform.	The system displays the DWM logon screen.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.27.2	The operator enters a valid User-ID and password for a CNWRA_CUST class user.	The CNWRA CUSTODIAN class Main Menu is displayed with entries for - OPERATIONS SEARCH CUSTODIAN TDAS REPORT HELP
✓ 1.27.3	The operator selects the REPORT entry from the Main Menu	The REPORT pull-down menu is displayed with entries for - Reference Reports Database Statistics Circulation New Acquisition Labels
✓ 1.27.4	The operator selects the Reference Report entry from the report pull-down menu.	The system displays the Reference Report selection screen and waits for input.
✓ 1.27.5	The operator selects the Help push-button.	The Reference Report help screen displays. BUG 30
✓ 1.27.6	The operator selects the Hydrology References entry from the selection list and selects the OK push-button to generate the report	The generates and displays the report. BUG 068
✓ 1.27.7	The operator enters a valid date in the From Date field but does not enter a date in the To Date field, and selects the OK push-button.	The system displays and error message Date not entered for 'To Date'
✓ 1.27.8	The operator enters an invalid date in the From Date field and selects the OK push-button.	The system displays and error message Invalid Date Format for 'From Date'

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
✓ 1.27.9	The operator enters a valid date with leading spaces (" 05 may 1995") in the From Date field and a valid date without leading spaces ("24 may 1995") in the To Date field and selects the OK push-button.	The system strips the leading spaces and runs the report. BUG 066

Table 1-27 Reference report functionality

1.28 INSTALLER FUNCTIONALITY

A specialized user type is provided to support installation functionality. This installer functionality is invoked with a command line parameter of "-i". The installer bypasses logon and permits the user to modify preferences but no other functionality is available.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
REQUIREMENT: The installer bypasses logon and permits the user to modify preferences but no other functionality is available.		
✓ 1.28.1	The operator starts the TDOCS system from any platform with a command line parameter of "-i"	The system displays the installer main menu with entries for OPERATIONS
✓ 1.28.2	The operator selects the OPERATIONS entry in the Main Menu.	The Operations pull-down menu displays with entries for - PREFERENCES EXIT BUG 0061
✓ 1.28.3		

Table 1-28 Installer functionality

1.29 BATCH PROCESSING FUNCTIONALITY

Functionality is provided to add, delete, and update documents through the batch facility.

TEST ITEM	OPERATOR ACTION	SYSTEM ACTION
REQUIREMENT: Functionality is provided to add, delete, and update documents through the batch facility.		
✓ 1.29.1	The submits documents through the client facilities.	The system edits and accepts the submitted documents and stores them on the server for subsequent batch processing.
✓ 1.29.2	The batch process is executed to add submitted documents to the TDOCS database.	The documents are added and the TOPIC full-text repository is updated.
✓ 1.29.3		

Table 1-29 Batch processing functionality

TDOCS BUG HISTORY
8 June, 1995 - 09:00

Bug #	Status	Priority	Test Item #	Action	Expected System Response	Error	Platform	Tester	Date	Comment	Assigned To:
0006	Fixed	5	1.00.05	Login Dialog: Attempt logon w/ valid userid (user1) and invalid password (Junk)	Error message displays: Invalid logon name/password	Error Message Should Read "LOGON" not "LOGIN"	OS/2	JHC	13-Apr		DL
0007	Fixed	5		Initiate client functionality and observe the Logon entry screen.	The system displays the DWM Logon screen and waits for user input.	The prompt in the DWM Logon screen currently reads: Enter Your Logon ID and Password. For consistency, this should be changed to read: Enter Your User-ID and Password.	Windows	JHC	05 May		DL
0008	Fixed	5	1.00.06	Login Dialog: Select Help push-button	Login Help Displayed	Inconsistent Use of "USERID" and "USER-ID" in text of help	OS/2	JHC	13-Apr		DL
0009	Fixed	5	1.00.10	Login Dialog: Test TAB key function	Each tab key press should move focus of the RETURN key	When TAB key moves focus to the EXIT push-button, RETURN will still cause a login instead of an EXIT	OS/2	JHC	13-Apr		DL
0010	Fixed	2	2.1	Login Screen: Typed in wrong username & wrong password. Password was to its max length. (1) Activated login (2) Reactivated login after the error message	Both times error message should say wrong userid/password. Second display of login screen should clear the entry boxes.	Second login attempt produces wrong error message. Does not match the activity on the screen.	Solaris	SV	15-Apr		SV
0011	Fixed	1	2.2	Login Screen: Sent a long garbage username	Should say wrong userid/password	Hangs the server	Solaris	SV	15-Apr		SV
0012	Fixed	5		Attempt to bypass entry of the User-ID and password and observe the system response.	The system displays an error message: You Must Enter BOTH a Userid and Password The system requires entry of the User-ID and password.	The spelling of 'Userid' is not consistent. It should be changed to 'User-ID' to match the prompt on the screen.	Windows	JHC	09 May		DL

TDOCS BUG HISTORY
8 June, 1995 - 09:00

Bug #	Status	Priority	Test Item #	Action	Expected System Response	Error	Platform	Tester	Date	Comment	Assigned To:
0013	Fixed	1		Attempt a Logon with the User-ID in uppercase and the Password entered in either uppercase or lowercase.	<p>The system displays an error message:</p> <p>Invalid login name/password.</p> <p>The system requires entry of the User-ID and password.</p>	<p>On the windows port, entry of the User-ID and Password in uppercase results in the following error message:</p> <p>Unknown Error. Status = 3. Error = 1403.</p> <p>The problem is that the User-ID is case sensitive but the password, which is used only by Oracle is not case sensitive. Therefore, incorrect case in the password has no effect but incorrect case in the password causes a failure. The error message is not adequate to permit the user to respond intelligently. It is suggested that all User-IDs and Passwords be forced to lowercase at entry time, both in the Logon and DBA code. Thus, an uppercase or mixed case User-ID and Password will not be able to cause an error. THERE IS A POSSIBILITY OF A SEVERE ERROR IN THE LOGON CODE. A FAILED LOGON ON THE WINDOWS PORT CAN CAUSE SUBSEQUENT ERROR GENERAL PROTECTION ERROR.</p>	Windows	JHC	09 May		SV
0014	Fixed	2		Attempt to enter an invalid User-ID with a valid password.	<p>The system displays an error message:</p> <p>Invalid login name/password.</p> <p>The system requires entry of the User-ID and password.</p>	<p>The text of the error message should be changed as follows for consistency:</p> <p>Invalid User-ID and/or Password</p> <p>NOTE: THERE IS A BUG IN THE WINDOWS PORT WHICH RETAINS THE ENTRY FIELD WHEN AN INVALID USER-ID IS ENTERED. THEREFORE, SUBSEQUENT ATTEMPTS TO LOGON FAIL, EVEN IF A CORRECT USER-ID IS ENTERED. THE ONLY WAY AROUND IT IS TO EXIT AND RESTART TDOCS.</p>	Windows	JHC	09 May		SV

TDOCS BUG HISTORY
8 June, 1995 - 09:00

Bug #	Status	Priority	Test Item #	Action	Expected System Response	Error	Platform	Tester	Date	Comment	Assigned To:
0015	Fixed	5		Attempt to enter a valid User-ID with leading spaces.	The system strips the leading spaces and accepts the User-ID.	The system does not seem to be stripping leading spaces from the User-ID at this time.	Windows	JHC	09 May		SV
0016	Fixed	5		Attempt to enter a valid User-ID with trailing spaces.	The system strips the trailing spaces and accepts the User-ID.	The system does not seem to be stripping trailing spaces from the User-ID at this time.	Windows	JHC	09 May		SV
0017	Fixed	2		Attempts to enter very long User-ID.	The User-ID is truncated to the right at the maximum allowable length.	THIS CONDITION CRASHES THE SERVER AND GIVES THE FOLLOWING MESSAGE: RPC Call timed out. Contact your System Administrator.	Windows	JHC	09 May		SV
0018	Fixed		1.12.14	Attempt to enter a very long password.	The password is truncated to the right at the maximum allowable length.	The password is truncated but can not be overwritten to correct it. <i>Following correction of the long password bug, the entry field is truncated and limited to a maximum of 16 characters. The highlighting of this field is non-standard and it can not be replaced by typing over it. It must first be deleted and then re-entered.</i>	Windows	JHC	22 May		
0019	Fixed	3	1.12.18	Enter a valid User-ID (cnwra_cust); Press TAB to position to the password field; Enter a valid password (tdocs); Press ENTER/RETURN.	The Logon completes and the TDOCS Main Menu appropriate to the CNWRA_USER class is displayed.	The Logon processing does not complete. Pressing the RETURN/ENTER key results in an additional character being placed in the password field as indicated by a # in the display. If the Logon push-button is selected with the mouse, the Logon processing completes properly because the CR in the password is stripped as white space.	Windows	JHC	24 May		
0021	Fixed	0		Logon as nrc_user; Select SEARCH entry from Main Menu; Select TDOCS from the Search pull-down menu; Select ALL from the search cascading menu.	TOPIC should start with all documents	TOPIC fails to start - no error message displayed - no indication of error except that no TOPIC screen appears. An error message appears on the console : sh: start_topic: not found	Solaris	JHC	18 May		Env.

TDOCS BUG HISTORY

8 June, 1995 - 09:00

Bug #	Status	Priority	Test Item #	Action	Expected System Response	Error	Platform	Tester	Date	Comment	Assigned To:
0023	Fixed	1	2.01.03	Help Screens: Help Index and About Box	Normal Keyboard Function	Initial focus problem. Keyboard disabled, except for tab key (moves focus) and arrow keys (down arrow acts like down arrow + return and opens next help screen on index).	OS/2	JHC	13-Apr	Coding problem	RLM
0024	Fixed	5	2.01.04	Main Dialog Accelerator keys	Accelerators should be unique	^I assigned to both help index and OITS status report	OS/2	JHC	13-Apr	Accelerator changed to ^Q	SV
0025	Fixed	1	All windows need system menu	The minimize control has been removed from many screens in an effort to prevent the user from terminating the system abnormally.	The minimize control is not present and not active.	The minimize control is missing from this screen, but the minimize control is active even though not visible.	Windows	JHC	17 May		SV
0026	Closed	4	5.1	All of the openlook window menu options "quit" should be tied to the close button of the respective dialog box	Should act just like the close button	Inconsistent behavior with "help" dialog windows	Solaris	SV	15-Apr	NOT GOING TO FIX	SV
0027	Fixed	2	3.1	Change Password: (1) typed in new password and reenter new password (2) closed the dialog (3) reopen the change password (4) delete a char from the reenter the password (5) hit change password button	(1) Should fields be emptied before redisplay of dialogs? (2) New and reenter password fields should match before change allowed	Changes the password	Solaris	SV	15-Apr		SV
0028	Fixed	3	3.2	After 3.1, (1) typed in the new password and in the reenter password fields (2) activate the change button	Should change the password	Displays an error about NULL password	Solaris	SV	15-Apr		SV
0029	Fixed	4	4.1	Database statistics Report		Does not work	Solaris	SV	15-Apr		SV
0031	Fixed	0	4.3	Tried to print a report	Message says printing report	Xterm: print_report not found	Solaris	SV	15-Apr	(need to copy/port the shell script)	SV Env.ment
0032	Fixed	5	4.4	Report results tried to edit the contents of a report	Report should not be editable	was able to delete contents of the report	Solaris	SV	15-Apr	Not going to fix. (we looked before and didn't an easy solution)	SV
0033	Fixed	3		Logon as nrc_user; Select REPORT entry from Main Menu; Select Reference Reports from the Report pull-down menu; Select Hydrology References from the Reference Reports Selection List; Select OK button.	The Hydrology Reference Report displays. Date should be current date. Page breaks should not display in the upper left corner of each page.	Help associated with the Reference Reports Selection List is blank.	Solaris	JHC	18 May		DL

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TDOCS BUG HISTORY

8 June, 1995 - 09:00

Bug #	Status	Priority	Test Item #	Action	Expected System Response	Error	Platform	Tester	Date	Comment	Assigned To:
0034	Fixed	3		Logon as nrc_user; Select REPORT entry from Main Menu; Select Reference Reports from the Report pull-down menu; Select Hydrology References from the Reference Reports Selection List; Select OK button.	The Hydrology Reference Report displays. Date should be current date. Page breaks should not display in the upper left corner of each page.	Title on the report display window reads- RPD Report Display	Solaris	JHC	18 May		DL
0046	Fixed	3	1.18.11	Logon as NRC_CUST; Select CUSTODIAN; Select DELETE A TDOCS RECORD; Open and close the Help Window and other windows without closing the Delete a TDOCS Record window.	The TDOCS Delete screen is displayed.	The Delete window appears but then disappears because it gets hidden behind the main window. Thereafter, selecting delete from the custodian pull-down menu does not appear to do anything. This gives the appearance that the custodian delete function has been disabled. The condition is harder to diagnose because the main menu window cannot be minimized.	Windows	JHC	19 May		DL
0047	Fixed	1	1.18.12	Logon as NRC_CUST; Select CUSTODIAN; Select DELETE A TDOCS RECORD; Select the Document Set drop-down indicator from the document set entry field.	The system displays a drop down list of document sets available to NRC custodians, including - ???	The drop-down list of document sets includes- CNWRA Technical Docs. CNWRA Correspondence CNWRA Q A Records The window can be resized in a way that clips the field description for Document Number. After resizing and closing the window, the Delete TDOCS Record functionality in the Custodian pull-down menu became inactive and could not be used again.	Windows	JHC	19 May		DL
0002	Fixed	5	1.2.7	Client initialization is attempted with an invalid database parameter in the initialization command.	The invalid database parameter is detected and the client should terminate with an error message because when the database parameter is invalid, the client cannot connect to the Oracle database and therefore no functionality, including logon, will be successful.	An error message is displayed: Unknown error. Status = 3. Error = 6114. The client continues to execute.	Windows	JHC	09 May	TCP SID lookup error. Checks for "test1" and "prod1" only.	DL

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TDOCS BUG HISTORY
8 June, 1995 - 09:00

Bug #	Status	Priority	Test Item #	Action	Expected System Response	Error	Platform	Tester	Date	Comment	Assigned To:
0003	Fixed	4	1.2.9	Client initialization is attempted on the CNWRA system with a -u parameter, indicating functionality for the NRC_USER class.	The parameter is valid but inappropriate for the CNWRA system. An error message is displayed and client functionality is not initialized.	The error message displayed is not sufficiently informative to permit a user response: Unknown error. Status= 3. Error = 1045. When the error message box is closed a General Protection fault occurs.	Windows	JHC	24 May	Installation	SV
0004	Fixed	5	1.2.8	Client initialization is attempted with an invalid look and feel parameter in the initialization command.	The invalid parameter is detected and replaced automatically with the default value. Initialization of the TDOCS client functionality is completed with the default look and feel.	The bad look and feel parameter results in the MOTIF look and feel being selected as a default even on windows platforms.	Windows	JHC	09 May	Installation	DL
0038	Fixed	0		Logon as nrc_user; Select REPORT entry from Main Menu; Select Reference Reports from the Report pull-down menu; Select Hydrology References from the Reference Reports Selection List; Select OK button; When report displays, attempt to edit contents and print.	The contents should not be editable and the report should print.	The contents of the report could be changed, deleted, etc. When the print button was selected, a message appeared saying that the report was printing, but it did not print. Therefore no determination could be made as to whether the edited changes to the report contents would have printed. A message appeared on the console- sh: print_report: not found	Solaris	JHC	18 May		Env.
0039	Close	0		Logon as nrc_user; Select REPORT entry from Main Menu; Select New Acquisition from the Report pull-down menu; When the Entry Screen appears, select the Document Type drop down indicator.	The Document Set drop down list should only indicate document sets accessible to the current user class.	The nrc_user is presented with the following list - Center Technical Documents Center QA Records Center Correspondence Index	Solaris	JHC	18 May	Retest as tdocs_user	Env.
0041	Close	0		Logon as nrc_user; Select TDAS entry from Main Menu; Select National Geophysical Data Center from the TDAS pull-down menu;	Motif should be started and the specified home page should be retrieved	No response in the GUI. A message appears on the console - sh: start_xmosaic: not found	Solaris	JHC	18 May		Env.

TDOCS BUG HISTORY
8 June, 1995 - 09:00

Bug #	Status	Priority	Test Item #	Action	Expected System Response	Error	Platform	Tester	Date	Comment	Assigned To:
0042	Close	0	1.18.8	Logon as NRC_CUST; Select CUSTODIAN; Select SUBMIT A TDOCS RECORD; Select the Document Set drop-down indicator from the document set entry field.	The system displays a drop down list of document sets available to NRC custodians, including - ???	The drop-down list of document sets includes- CNWRA Technical Docs. CNWRA Correspondence CNWRA Q A Records	Windows	JHC	19 May		DL
0044	Close	0	1.18.10	Logon as NRC_CUST; Select CUSTODIAN; Select UPDATE A TDOCS RECORD; Select the Document Set drop-down indicator from the document set entry field.	The system displays a drop down list of document sets available to NRC custodians, including - ???	The drop-down list of document sets includes- CNWRA Technical Docs. CNWRA Correspondence CNWRA Q A Records	Windows	JHC	19 May	Same as 1.18.8	DL
0051	Close	0	1.18.20	Logon as NRC_CUST; Select REPORT; Select TDOCS; Select New Acquisitions; Select the drop-down indicator from the Document Set selection field in the NEW ACQUISITIONS screen.	The system displays a drop down list of document sets available to NRC custodians, including - ???	The drop-down list of document sets includes CNWRA Technical Docs. CNWRA Correspondence CNWRA Q A Records	Windows	JHC	19 May	Same as 1.18.8	ENV
0056	Fixed	4	1.13.6	Logon as cnwra-cust (tdocs); select Operations; Select Change Password; Select CHANGE (to attempt a change without entering passwords; Enter "junk" in both the Password and Reenter password fields.	The system changes the password to "junk"	The system displays an error message- New password does not match the Reenter password.	Windows	JHC	25 May Reactivated - 02 Jun	The problem is caused by a space being inserted by the program in the password field when an error condition is detected. Thereafter, the entered password has a leading space and does not match the reentered password. The problem is that when an error message is displayed (e.g. selecting change before entering any passwords), a space is inserted in the last entry field used. This space is not stripped. Therefore, when the next action is attempted, (e.g. entering "junk" in both the password and reenter password field) one field will have a leading space. Then the error message displays indicating that the two password fields do not match. One solution would be to strip spaces from the input fields before processing them.	SV

TDOCS BUG HISTORY

8 June, 1995 - 09:00

Bug #	Status	Priority	Test Item #	Action	Expected System Response	Error	Platform	Tester	Date	Comment	Assigned To:
0057	Fixed	2	1.12.20	Start system as CNWRA_CUST class. Operator uses the TAB key to move the focus of the entry screen.	The focus moves to successive fields, changing their appearance to indicate the current focus.	Although the focus moves and the appearance changes, the focus of the RETURN/ENTER key does not change. For example, if a valid User-ID and password are entered and the TAB key is used to move the focus to the HELP push-button, pressing the ENTER/RETURN key causes the logon to complete and the Help screen does not display.	Windows	JHC	19 May		SV
0058	Fixed	2	1.13.9	Logon as cnwra_cust (tdocs); Select Operations; Select Change Password; Enter password with leading spaces and reenter password without leading spaces.	The system strips the leading spaces and accepts the password.	The system displays an error message that the password and reenter password do not match.	Windows	JHC	25 May	This indicates that leading spaces are not being stripped. Should check that both leading and trailing spaces are stripped.	SV
0020	Fixed	1		Attempt to logon with the following sequence: (1) Start the system from the test icon; (2) when the Logon screen appears, switch to program manager, start WordPerfect, and retrieve a document; (3) switch back to TDOCS; enter a valid User-ID and password; (4) Press ENTER.	The logon should proceed normally.	The event loop fails but Windows continues to run, replicating windows as each event is posted. The system must be re-booted or Windows must be stopped and restarted. This problem occurs under other conditions and appears to be related to Galaxy.	Windows	JHC	18 May		DL
0005	Fixed	4	1.4.3	Disable the NFS mount and attempt to use client functionality.	The system displays an error message at system initialization warning that the NFS mount is not correct and data will not be accessible.	The system was started without the NFS mount. No error message appeared and no warning that data was not available through NFS. When a Submit was attempted, the functionality failed without error messages. The symptoms were that the submit button was selected, changed appearance, and then restored to normal appearance without doing anything.	Windows	JHC	24 May	Use existing code to check Topic Dir	DL
0040	Fixed	2		Logon as nrc_user; Select REPORT entry from Main Menu; Select New Acquisition from the Report pull-down menu; When the Entry Screen appears, enter from and to dates of 01 Jan 1995 and 01 Jun 1995; Select OK	The new acquisitions report should run and display.	Error Message Displayed: RPC Call timed out. Contact your System Administrator.	Solaris	JHC	18 May	Retest as tdocs_user; See if repeatable	SV / CM
0043	Fixed	5	1.18.9	Logon as NRC_CUST; Select CUSTODIAN; Select UPDATE A TDOCS RECORD; Resize the window.	The TDOCS Update screen displayed.	The window can be resized in a way that clips the field description for Document Number.	Windows	JHC	19 May		DL

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TDOCS BUG HISTORY
8 June, 1995 - 09:00

Bug #	Status	Priority	Test Item #	Action	Expected System Response	Error	Platform	Tester	Date	Comment	Assigned To:
0045	Fixed	5	1.18.11	Logon as NRC_CUST; Select CUSTODIAN; Select DELETE A TDOCS RECORD; Resize the window	The TDOCS Delete screen is displayed.	The window can be resized in a way that clips the field description for Document Number.	Windows	JHC	19 May	Same as 1.18.8	DL
0052	Fixed	1	1.21.9	Logon as CNWRA_CUST; Select CUSTODIAN; Select UPDATE; Enter a valid Document Number (T199505240001); Change the author name; Select the Update push-button to update the header record.	The system updates the header record.	An error occurs and the system displays a message indicating that an Oracle delete had been attempted on a record with foreign key dependencies- Unknown error. Status = 3. Error = 2292	Windows	JHC	25 May		CM
0063	Fixed	2	1.22.8	Logon as cnwra_cust (tdocs); Select Custodian; Select Delete; Enter a valid document-ID with trailing spaces ("T199505240002 "); Select OK.	The trailing spaces should be stripped from the document number and the deletion confirmation screen should be displayed.	The system displays an error message - Invalid document number	Windows	JHC	26 May	This indicates that trailing spaces are not being stripped from the document number	SV
0064	Fixed	1	1.22.9	Logon as cnwra_cust (tdocs); Select Custodian; Select Delete; Enter a valid document-ID of a document that has already been deleted; Select OK.	The system displays an error message - Document not found	The system displays an error message - Cannot Update an updated document	Windows	JHC	26 May	The text of the error message should be changed	CM/SV
0066	Fixed	3	1.26.9	Logon as cnwra_cust (tdocs); Select Report; Select New Acquisition; Enter a valid date with leading spaces (" 05 may 1995") in the From Date field and a valid date without leading spaces ("24 may 1995") in the To Date field and selects the OK push-button.	The system strips the leading spaces and runs the report.	The report begins executing and then fails with a general protection error. The server is killed	Windows	JHC	26 May		
0069	Fixed	3		Logon as nrc_user; Select REPORT entry from Main Menu; Select Reference Reports from the Report pull-down menu; Select Hydrology References from the Reference Reports Selection List; Select OK button.	The	The associated Help screens are for the RPD Report Display HELP Window.	Solaris	JHC	18 May		CM
0060	Fixed	1	1.21.11	Logon as cnwra_cust (tdocs); Select Custodian; Select Update; Enter a valid document-ID (T199505240002); Select OK; Clear the title field (a required field); Select Update; (document is updated successfully); Select Close	The update transaction should be rejected because a required field is missing.	The update is successful, but the title is replaced with "Center Technical Documents"	Windows	JHC	25 May		CM

TDOCS BUG HISTORY
8 June, 1995 - 09:00

Bug #	Status	Priority	Test Item #	Action	Expected System Response	Error	Platform	Tester	Date	Comment	Assigned To:
0061	Fixed	3	1.40.2	Initiate system with -i parameter in the command line to indicate installer.	The Main Menu should only include entries for OPERATIONS and the OPERATIONS pull-down menu should only have an entry for Preferences.	The Operations pull-down menu has an entry for Scan and OCR. This entry in the Operations pull-down menu should be removed.	Windows	JHC	25 May	NOTE: This bug does not occur on the Unix platforms.	DL
0062	Fixed	2	1.22.7	Logon as cnwra_cust (tdocs); Select Custodian; Select Delete; Enter a valid document-ID with leading spaces (" T199505240002"); Select OK.	The leading spaces should be stripped from the document number and the deletion confirmation screen should be displayed.	The system displays an error message - Invalid document number	Windows	JHC	26 May	This indicates that leading spaces are not being stripped from the document number	SV
0065	Fixed	1	1.22.13	Logon as cnwra_cust (tdocs); Select Custodian; Select Delete; Enter a valid document-ID of a document that has not been deleted; Select OK; When the TDOCS Confirmation screen displays, select OK to delete the record.	The system displays an advisory message - Record deleted	The system displays an error message - Document not found	Windows	JHC	26 May	The message is not correct. The document was marked for deletion but the wrong message was displayed.	CM/SV
0068	Fixed	1	1.27.6	Logon as cnwra_cust (tdocs); Select Report; Select Reference Reports; Select Hydrology References; Select the OK push-button to generate the report.	The generates and displays the report.	The report fails with a WATCOM ABNORMAL TERMINATION error.	Windows	JHC	30 May	This bug does not occur on the UNIX port. In the initial test, the Abnormal Termination did not occur but the report did not generate. As a result the previous report (in this case an acquisitions report) displayed. When the REPORT.FIL was deleted, then the W A T C O M A B N O R M A L TERMINATION error resulted on subsequent tests	DL
0036	Close	5		Logon as nrc_user; Select REPORT entry from Main Menu; Select Reference Reports from the Report pull-down menu; Select Hydrology References from the Reference Reports Selection List; Select OK button.	The Hydrology Reference Report displays.	Page breaks display in the upper left corner of each page. Note that the page breaks do not appear on the NIST Citation Report.	Solaris	JHC	18 May	Port problem NOT A BUG	??

TDOCS BUG HISTORY
8 June, 1995 - 09:00

Bug #	Status	Priority	Test Item #	Action	Expected System Response	Error	Platform	Tester	Date	Comment	Assigned To:
0037	Close	3		Logon as nrc_user; Select REPORT entry from Main Menu; Select Database Statistics from the Report pull-down menu.	The Database Statistics Report displays. Date should be current date. Page breaks should not display in the upper left corner of each page.	Title on the report display window reads- RPD Report Display Report date indicates 12 APR 1995 rather than the last batch date The associated Help screens are for the RPD Report Display HELP Window. Page breaks display in upper left corner of each page. Note that the page breaks do not appear on the NIST Citation Report.	Solaris	JHC	18 May	Last batch date Page breaks are a port problem Not a bug	??
0055	Fixed	1	????	Logon with an invalid instance		Client hangs Server hangs SQL*Net hangs		CM	24 May		CM
0059	Fixed	1	1.21.10	Logon as cnwra_cust (tdocs); Select Custodian; Select Update; Enter a valid document-ID (T199505240001); Select OK; Select Update; (document is updated successfully); Select Close; Select Custodian; Select Update; Enter the same Document-ID again (T199505240001); Select OK; Select Update; (document is not updated) successfully);	The system should probalby permit multiple updates.	At the present time a message displays- Cannot update updated document	Windows	JHC	25 May	The problem is that if the operator has several changes to make and overlooks one, there is presently no way to make the remaining changes until BATCH has been run.	CM
0067	Fixed	1	1.41.2	The batch process is executed to add submitted documents to the TDOCS database.	The documents are added and the TOPIC full-text repository is updated.	The documents are added, but the hyperlinks for the full page images are not generated.	Widows	JHC	19 May		CM
0070	Fixed	1		Logon as cnwra_cust; Select REPORT entry from Main Menu; Select Database Statistics from the Report pull-down menu.	The Database Statistics Report displays.	The statistics for NRC Technical Documents begin at year 7 and continue through 1995	Solaris	JHC	31 May	Previous bug has reappeared	CM

TDOCS BUG HISTORY
8 June, 1995 - 09:00

Bug #	Status	Priority	Test Item #	Action	Expected System Response	Error	Platform	Tester	Date	Comment	Assigned To:
0053	Fixed	1	1.20.6	Logon as cnwra-cust (tdocs); Select Custodian; Select Submit; Attempt to enter information in the first entry field; Select the Document Set drop-down indicator; Attempt again to enter information in the first entry field	Keyed information is entered in the first entry field.	The keyboard focus is set to the document set drop down selection field. Keyed characters are ignored until an entry field has been selected either with the mouse or by pressing the TAB key. When the focus is shifted from the Document Set field, the dashed lines indicating focus are not completely cleared. Attempts to replicate and explore the condition resulted in an event loop failure and a general protection fault when the document set was selected as QA Records.	Windows	JHC	24 May		??
0071	Fixed	1		Logon as cnwra_cust; Select CUSTODIAN entry from Main Menu; Select SUBMIT; Enter header information for test cases 1 - 9.	Documents for test cases 1-9 submitted.	Following the submission of test case 009 the system terminated with a WATCOM ABNORMAL TERMINATION message.				When SCOUT was run, resources showed 65% user and 42% GDI.	
0030	Fixed 06/07/95	4	1.27.5	Reference Report Help Button		No help available	Solaris	SV	15-Apr	No Help Text	AJ
0048	Fixed 06/07/95	4	1.18.15	Logon as NRC_CUST; Select REPORT; Select Reference Reports; Select HELP push-button on the Reference Reports selection screen.	The reference reports help screen is displayed.	The reference reports help screen is blank.	Windows	JHC	19 May		AJ
0077	Close 06/07/95	3	1.12.20	Start the client functionality; When the Logon screen appears, note that there is no initial keyboard focus.	This initial keyboard focus should be on the Logon push-button.	The keyboard focus is not set until the TAB key is pressed.	Windows	JHC	06 Jun	The keyboard focus was eliminated to solve another bug. However, the Help screen still indicates that the RETURN key can be used rather than selecting Logon with the mouse. Either the keyboard focus should be reactivated or the Help screen should be changed.	DL
0078	Fixed 06/07/95	2	1.12.21	Start the client functionality; When the Logon screen appears, select the HELP push-button with the mouse; Select CLOSE to dismiss the Help screen; Press RETURN to dismiss the Help Screen.	The help screen should close	The mouse is not active. When RETURN is pressed control returns to the Logon screen but the help screen remains visible and cannot be removed.	Windows	JHC	06 Jun		SV

TDOCS ACTIVE BUG LIST
02 June, 1995 - 09:00

Bug #	Status	Priority	Test Item #	Action	Expected System Response	Error	Platform	Tester	Date	Comment	Assigned To:
0001	Open	2		DESIGN ISSUE	The environments at the NRC and CNWRA use different scanning software. Some provision needs to be made to condition the particular executable so that the correct software is invoked. This could be done through hard-coding the executable or a script, but it would be easier to maintain if it were done through the preferences file.			JHC	18 May	Handle by platform type: UNIX = Scanworks Windows = Calera	DL
0022	Open	1	1.1	Launching PMJPEG against Fig. 7-3 of Geochem Doc. Under Topic successful	Successful operation	Addressing exception @ 000414c9; Debugger shows that address is inside Galaxy keyboard handler (vGalaxyGetKey)	OS/2	RLM	18-Apr	(memory corruption)	RLM
0030	Open	4	1.27.5	Reference Report Help Button		No help available	Solaris	SV	15-Apr	No Help Text	AJ
0035	Open	3		Logon as nrc_user; Select REPORT entry from Main Menu; Select Reference Reports from the Report pull-down menu; Select Hydrology References from the Reference Reports Selection List; Select OK button.	The Hydrology Reference Report displays.	The associated Help screens are for the RPD Report Display HELP Window.	Solaris	JHC	18 May		AJ
0048	Open	4	1.18.15	Logon as NRC_CUST; Select REPORT; Select Reference Reports; Select HELP push-button on the Reference Reports selection screen.	The reference reports help screen is displayed.	The reference reports help screen is blank.	Windows	JHC	19 May		AJ
0054	Open	0	?????	Batch continues to fail from time to time while running system calls. This is due to system changes. Cannot be helped			UNIX	CM	24 May		CM
0072											
0073											
0074											
0075											
0076											
0077											
0078											
0079											

Check the PIF file for launching the

launch file

18/2/2

TDOCS ACTIVE BUG LIST
08 June, 1995 - 09:00

Bug #	Status	Priority	Test Item #	Action	Expected System Response	Error	Platform	Tester	Date	Comment	Assigned To:
0001	Open	2		DESIGN ISSUE	The environments at the NRC and CNWRA use different scanning software. Some provision needs to be made to condition the particular executable so that the correct software is invoked. This could be done through hard-coding the executable or a script, but it would be easier to maintain if it were done through the preferences file.			JHC	18 May	Handle by platform type: UNIX = Scanworks Windows = Calera	DL
0022	Open	1	1.1	Launching PMJPEG against Fig. 7-3 of Geochem Doc. Under Topic successful	Successful operation	Addressing exception @ 000414c9; Debugger shows that address is inside Galaxy keyboard handler (vGalaxyGetKey)	OS/2	RLM	18-Apr	(memory corruption)	RLM
0035	Open	3		Logon as nrc_user; Select REPORT entry from Main Menu; Select Reference Reports from the Report pull-down menu; Select Hydrology References from the Reference Reports Selection List; Select OK button.	The Hydrology Reference Report displays.	The associated Help screens are for the RPD Report Display HELP Window.	Solaris	JHC	18 May		AJ
0054	Open	0	????	Batch continues to fail from time to time while running system calls. This is due to system changes. Cannot be helped			UNIX	CM	24 May		CM
0056	Open	4	1.13.6	Logon as cnwra-cust (tdocs); select Operations; Select Change Password; Select CHANGE (to attempt a change without entering passwords; Enter "junk" in both the Password and Reenter password fields.	The system changes the password to "junk"	The system displays an error message- New password does not match the Reenter password.	Windows	JHC	25 May Reactivated - 02 Jun	The problem is caused by a space being inserted by the program in the password field when an error condition is detected. Thereafter, the entered password has a leading space and does not match the reentered password. The problem is that when an error message is displayed (e.g. selecting change before entering any passwords), a space is inserted in the last entry field used. This space is not stripped. Therefore, when the next action is attempted, (e.g. entering "junk" in both the password and reenter password field) one field will have a leading space. Then the error message displays indicating that the two password fields do not match. One solution would be to strip spaces from the input fields before processing them.	SV

TDOCS ACTIVE BUG LIST
08 June, 1995 - 09:00

Bug #	Status	Priority	Test Item #	Action	Expected System Response	Error	Platform	Tester	Date	Comment	Assigned To:
0072	Open	3	1.13.8	Logon as cnwra-cust (tdocs); select Operations; Select Change Password; Enter "jun*k" in both the Password and Reenter password fields.	The system changes the password to "jun*k"	The system displays an error message- New password does not match the Reenter password.	Windows	JHC	02 Jun	The password maintenance will not accept embedded punctuation. If this is how the system is supposed to work, the error message should be changed to indicate the real problem.	SV
0073	Open	1	1.2.9	Client initialization is attempted on a CNWRA system with a -u parameter, indicating functionality for the NRC_USER class.	The parameter is valid but inappropriate for the CNWRA system. An error message is displayed and client functionality is not initialized.	An error message is displayed: Unknown error. Status = 3. Error = 1045. Following the display of this error message the program aborts: Main caused a invalid instruction in module <unknown>	Windows	JHC	05 Jun		SV
0074	Open	1	1.4.2	The operator disables the server functionality following initiation of the client functionality. Logon as cnwra_cust (tdocs); stop the server; attempt a change password.	The system displays a message indicating that the server is not active and terminates the client process.	The program aborts: MAIN caused a general protection fault in module RPC16.DLL	Windows	JHC	05 Jun	The program aborts on the UNIX port as well.	SV
0075	Open	3	1.10.8	Logon as nrc_cust; Select Help; Select ABOUT	The help facility includes an "About" screen that clearly identifies the version and revision levels of the software.	The revision information includes RPD which should not display for the nrc_cust user. The presentation of version and revision levels is confusing and inconsistent.	Windows	JHC	05 Jun		RLM
0076	Open	3	1.12.19	Logon as cnwra_cust with a very long password such as "adfadfadfadfadf"; The logon displays an error message. Observe the User-ID and password fields after the unsuccessful logon attempt. Both the User-ID and password entry fields should be cleared.	The User-ID and password fields should be cleared.	The password field still contains the formerly entered password cleared.	Windows	JHC	06 Jun		SV
0079	Open	2	1.12.20	Start the client functionality; When the Logon screen appears, press TAB 10 times. the Help Screen.	The keyboard focus should progress through the controls and fields and the appearance of each control should change to indicate when it is the object of the keyboard focus.	The appearance of the control changes but does not revert to "deselected" appearance when the focus moves forward.	Windows	JHC	06 Jun	This bug should be called into Galaxy	???
0080	Open	2	1.13.11	Logon as cnwra_cust (TDOCS); Select Operations; Select Change Password; Use the operator uses the TAB key to select the CLOSE push-button and press RETURN.	The change password window closes.	The system interprets the RETURN key as a CHANGE request.	Windows	JHC	06 Jun	The CHANGE push-button is set to the keyboard default. The default should be removed to make it consistent with the LOGON function. The help screen should be changed to indicate that the CHANGE pushbutton must be explicitly selected by the TAB or mouse.	???

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Bug #	Status	Priority	Test Item #	Action	Expected System Response	Error	Platform	Tester	Date	Comment	Assigned To:
0081	Open	3	1.13.7	Logon as cnwra_cust; Select Operations; Select Change Password; Enter a very long password such as "adfadfadfadfadfadf" in both the new password and reenter password fields; Select the Change push-button; Observe the new password and reenter password fields after the change. Both the User-ID and password entry fields should be cleared.	The password and reenter password fields should be cleared.	The password and reenter password fields still contain the formerly entered password cleared.	Windows	JHC	06 Jun		SV
0082	Open	1		Disable server; Initiate client functionality with -u parameter to force nrc_user class access without a logon.	An error message should be displayed indicating that the server is not available and the client functionality should terminate	The client aborts with a protection error	Windows	CM	07 Jun	The problem is that after the display of the error message there is no screen for the program to return to.	CM
0083	Open	3	1.16.15	Logon as cnwra_user; Select HELP; Select HELP; Select Report radio button.	The Report Types HELP Window displays with radio buttons for - TDOCS Reference Reports Database Statistics	No radio button or screen for new acquisitions	Windows	JHC	07 Jun		???
0084	Open	3	1.16.16	Logon as cnwra_user; Select HELP; Select HELP; Select Report radio button; Select TDOCS radio button.	The Report TDOCS HELP Window displays	This help window does not reflect the structure of the pull-down menus. There is no entry for pull-down menu entry for TDOCS. Help for the circulation report and labels should not be available to the cnwra_user class	Windows	JHC	07 Jun		???
0085	Open	3	1.16.20	Logon as cnwra_user; Select HELP; Select HELP INDEX.	The TDOCS HELP Index Window displays with entries for - Logon Help Change Password HELP New Acquisitions Report HELP	The Help Index should include entries for all the help screens or at least for all the Help pull-down and radio button entries.	Windows	JHC	07 Jun		???
0086	Open	1	1.15.8	Logon as nrc_user; select Report; Select Database Statistics.	Database statistics report executes and displays.	Database statistics report does not display. Error message displays: Server File Error (2) When the error message is cleared the program aborts with a general protection error.	Windows	JHC	07 Jun	This error does not occur on the cnwra_user	???

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Bug #	Status	Priority	Test Item #	Action	Expected System Response	Error	Platform	Tester	Date	Comment	Assigned To:
0087	Open	3	1.15.16	Logon as nrc_user; Select HELP; Select HELP; Select Search radio button; Select TDOCS radio button.	The Search TDOCS HELP Window displays	This help window contains information about TDI, QA, CSP that should be excluded from the nrc_user, and it does not contain low-level waste. Help for the circulation report and labels should not be available to the cnwra_user class	Windows	JHC	07 Jun		???
0088	Open	3	1.15.22	Logon as nrc_user; Select HELP; Select HELP INDEX.	The TDOCS HELP Index Window displays with entries for - Logon Help New Acquisitions Report HELP	The Help Index should not include entries for Logon Help but it should include entries for all the help screens or at least for all the Help pull-down and radio button entries.	Windows	JHC	07 Jun		???
0089	Open	3	1.15.24	Logon as nrc_user; Select HELP; Select ABOUT.	The TDOCS HELP ABOUT Window displays	The Help About box should not mention RPD for NRC users.	Windows	JHC	07 Jun		???
0090	Open										
0091	Open	2	1.18.9	Logon as nrc_cust; Select Custodian; Select Submit; Select Help.	The Submit Help Window displays.	The Help window that displays is for TDI old format records and is not appropriate for NRC custodian users.	Windows	JHC	07 Jun	The selected document set was NRC Technical Documents.	???
0092	Open	2	1.18.12	Logon as nrc_cust; Select Custodian; Select Submit; Select Document Set; Select Low-Level Waste; Select Help.	The Submit Help Window displays.	The Help window that displays is for QA records and is not appropriate for NRC custodian users.	Windows	JHC	07 Jun	The selected document set was Low-Level Waste.	???
0093	Open	2	1.18.15	Logon as nrc_cust; Select Custodian; Select Update; Select Help.	The Update Help Window displays.	The Help push-button is not active. When it is selected, nothing happens.	Windows	JHC	07 Jun		???
0094	Open	3	1.18.28	Logon as nrc_cust; Select Report; Select Database Statistics; Select Help.	The Report Display Help Window is displayed.	The Report Display Help Window mentions RPD in its title	Windows	JHC	07 Jun		???
0095	Open	1	1.18.34	Logon as nrc_cust; Select TDAS; Select the National Geophysical Data Center from the TDAS pull Down Menu	The system accesses Mosaic and displays the selected home page.	Mosaic fails.	Windows	JHC	07 Jun	This happens on both window machines. On the nrc_cust account it fails with an error message. On the cnwra_cust account nothing happens and control returns to the menu.	???
0096	Open	3	1.18.37	Logon as nrc_cust; Select HELP; Select the Operations radio-button	The Operations HELP Window displays with radio buttons for - Change Password SCAN and OCR Exit	No entry for SCAN and OCR	Windows	JHC	07 Jun		???