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1. CHANGE HISTORY

REV	DATE	AUTHOR	COMMENTS
initial	Jun 3, 2003	SAE	Initial release
A	Jun 30, 2003	SAE	Changed signoff Added QA Blurb Added test cases 9.21 and 9.20 Title change from TQSM Operational Procedure for Baseline and Regression Testing to TQSM Test Procedure
B	Jul 22, 2003	SAE	Reordered steps in case TQSM1 Added step to resize window smaller in TQSM4 Took out duplicate steps in TQSM8 – duplicated steps in TQSM9 Took out duplicate steps in TQSM3 – duplicated steps in TQSM4 Added steps to TQSM14 to view logbook summary when cron jobs not running Added steps to TQSM8 to clarify how to cancel data entry of a new passlog. Added steps to TQSM10 to clarify how to cancel data entry of a new anomaly.
C	August 26, 2003	SAE	Changed section 8 to add new classes Changed section 9.15 to add new steps for logbook printing by start and stop times. Changed section 4.1 to reflect the addition of TQSM to moc-server. Added clarification to section 9.14 to use Netscape 7 instead of generic Netscape. Added test step TQSM22 in section 9.22 to verify the entry of a data processing note. Changed section 9.2 to add a step for checking the times on the logbook label. Changed section 9.7 to check for adding notes on earlier days. Added test step TQSM23 in section 9.23 to verify the automatic refresh of the logbook data. Changed section 9.12 to check the title on closed anomaly records and to check for the last update date on edited records. Changed section 9.10 to check for the last update date.
D	Oct 30, 2003	SAE	Added test step TQSM 24 in section 9.24 to verify the creation of a d-log from an exiting logbook note. Changed section 8 to add new classes. Modified test steps in sections 9.3, 9.5, 9.7, 9.8 to accurately state the names of the buttons, and to include answering yes and no to the Confirm New Entry dialog. This was absent from previous test plans. Modified section 9.10 to change the name of the Save and Close button from Save Changes and Close.

2. SCOPE

This test plan document details the TQSM software application and how to test it.

3. OPERATIONAL PERSONNEL

Sharon Euley
Samantha Patterson
Jennifer Spencer
Ron Sharbaugh
Qualified QA Rep: Kelly Burlingham

4. REQUIREMENTS & CONSTRAINTS

4.1. Hardware and Software Requirements

Operations are performed on any Science client. When accessing TQSM from a POD, an ssh to moc-server is required and a second ssh to Science is optional.

4.2. Configuration Requirements

The operator must be logged into the server "science" and run the script "tqsm" from any directory.

5. REFERENCE DOCUMENTS

Document No.	Document	ALIAS.
S0641	TQSM User's Guide	
S0646	TQSM Requirements Document	
S0647	TQSM Verification Report	
S0649	TQSM Software Design Document	
S0650	TQSM VDD Document	
S0477	MOC Configuration Control, Science LAN	
S0476	MOC Configuration Control, IONET LAN	
S0501	MOC Software Development Plan	

6. QUALITY ASSURANCE PROVISIONS

Quality Assurance must be given 24 hour notification before this test is run; presence is at their discretion.

QA Notified Date & Time: _____ By: _____ QA Initials: _____

7. TEST ENVIRONMENT

Software Configurations	Version Number
Sybase	
Java	
Solaris	

8. TEST CASES AND FILE VERSION MATRIX

File (under tqsm)	UNIX filesize and date	Test Name	Test Section
Tqsm.class		TQSM1	Section 9.1
Tqsm\$1.class		TQSM1	Section 9.1
Tqsm\$2.class		TQSM1	Section 9.1
Tqsm_Data.class		TQSM1	Section 9.1
LogBookAutoPrint.class		TQSM14	Section 9.14
jfreereport-0.8.3d.jar		TQSM14 – TQSM19	Sections 9.14 – 9.19
Anomaly.class		TQSM10	Section 9.10
ClientConstants.class		TQSM2	Section 9.2
LogBook.class		TQSM2, TQSM23	Section 9.2 and Section 9.23
PassLog.class		TQSM8	Section 9.8
PersonnelCombo.class		TQSM8	Section 9.8
PersonnelCombo\$1.class		TQSM8	Section 9.8
StickyNote.class		TQSM5	Section 9.5
StickyPane.class		TQSM5	Section 9.5
Anomaly_print.xml		TQSM18	Section 9.18
AnomalyActionBar.class		TQSM12	Section 9.12
AnomalyEntryPanel.class		TQSM11	Section 9.11
AnomalyEntryPanel\$1.class		TQSM11	Section 9.11
AnomalyEntryPanel\$2.class		TQSM11	Section 9.11
AnomalyMultiPanel.class		TQSM12	Section 9.12
AnomalyMultiPanel\$1.class		TQSM12	Section 9.12
AnomalyPrint.class		TQSM18	Section 9.18
AnomalyPrinter.class		TQSM18	Section 9.18
AnomalySumPrint.xml		TQSM19	Section 9.19
AnomalySumTableModel.class		TQSM19	Section 9.19
AnomalySumViewer.class		TQSM19	Section 9.19
AnomalyTableModel.class		TQSM19	Section 9.19
OpenAnomalyViewer.class		TQSM19	Section 9.19
NewAnomaly.class		TQSM10	Section 9.10
NewAnomalyActionBar.class		TQSM10	Section 9.10
NewAnomalyEntryPanel.class		TQSM10	Section 9.10
NewAnomalyFrame.class		TQSM10	Section 9.10
NewAnomalyMultiPanel.class		TQSM10	Section 9.10
ChildAwareComparator.class		TQSM2	Section 9.2

ChildAwareEntryList.class		TQSM2	Section 9.2
LogBookActionBar.class		TQSM2	Section 9.2
LogBookEntryPanel.class		TQSM4	Section 9.4
LogBookEntryPanel\$1.class		TQSM4	Section 9.4
LogBookEntryPanel\$2.class		TQSM4	Section 9.4
LogBookMultiPanel.class		TQSM4	Section 9.4
LogBookMultiPanel\$1.class		TQSM4	Section 9.4
LogBookMultiPanel\$2.class		TQSM4	Section 9.4
LogBookPrinter.class		TQSM15	Section 9.15
LogBookSumPrint.xml		TQSM15	Section 9.15
LogBookSumTableModel.class		TQSM15	Section 9.15
LogBookTable.class		TQSM2	Section 9.2
LogBookTable\$1.class		TQSM2	Section 9.2
LogBookTable\$Model.class		TQSM2	Section 9.2
LogBookViewer.class		TQSM2	Section 9.2
note_print.xml		TQSM16	Section 9.16
NoteFrame.class		TQSM3	Section 9.3
NoteFrame\$1.class		TQSM3	Section 9.3
NoteTableModel.class		TQSM16	Section 9.16
NewNote.class		TQSM3	Section 9.3
NewNoteActionBar.class		TQSM3	Section 9.3
NewNoteEntryPanel.class		TQSM3	Section 9.3
NewNoteEntryPanel\$1.class		TQSM3	Section 9.3
NewNoteEntryPanel\$2.class		TQSM3	Section 9.3
NewNoteFrame.class		TQSM3	Section 9.3
NewNoteMultiPanel.class		TQSM3	Section 9.3
NewNoteMultiPanel\$1.class		TQSM3	Section 9.3
passlog_print.xml		TQSM17	Section 9.17
PassLogActionBar.class		TQSM9	Section 9.9
PassLogEntryPanel.class		TQSM9	Section 9.9
PassLogEntryPanel\$1.class		TQSM9	Section 9.9
PassLogEntryPanel\$2.class		TQSM9	Section 9.9
PassLogMultiPanel.class		TQSM9	Section 9.9
PassLogMultiPanel\$1.class		TQSM9	Section 9.9
PassLogPrinter.class		TQSM17	Section 9.17
PassLogTableModel.class		TQSM9	Section 9.9
NewLog.class		TQSM8	Section 9.8
NewLogActionBar.class		TQSM8	Section 9.8
NewLogEntryPanel.class		TQSM8	Section 9.8
NewLogEntryPanel\$1.class		TQSM8	Section 9.8
NewLogEntryPanel\$2.class		TQSM8	Section 9.8
NewLogFrame.class		TQSM8	Section 9.8
NewLogFrame\$1.class		TQSM8	Section 9.8
NewLogMultiPanel.class		TQSM8	Section 9.8
StickyFrame.class		TQSM6	Section 9.6
StickyFrame\$1.class		TQSM6	Section 9.6
StickyFrame\$2.class		TQSM6	Section 9.6
StickyViewer.class		TQSM5	Section 9.5
AbstarctAuthoredEntry.class		TQSM3	Section 9.3
AbstractEntry		TQSM3	Section 9.3
AbstractEtnryStub.class		TQSM3	Section 9.3
AbstractOriginalEntry.class		TQSM3	Section 9.3
Dated.class		TQSM3	Section 9.3
DefaultEntryStub.class		TQSM3	Section 9.3

DefaultPersonnelStub.class		TQSM3	Section 9.3
Entries.class		TQSM3	Section 9.3
Entries\$1.class		TQSM3	Section 9.3
Entries\$2.class		TQSM3	Section 9.3
Entries\$3.class		TQSM3	Section 9.3
Entries\$4.class		TQSM3	Section 9.3
Entries\$5.class		TQSM3	Section 9.3
Entries\$6.class		TQSM3	Section 9.3
Entries\$7.class		TQSM3	Section 9.3
EntryProperties.class		TQSM3	Section 9.3
EntryStub.class		TQSM3	Section 9.3
EntryTypes.class		TQSM3	Section 9.3
Linkable.class		TQSM7	Section 9.7
NoteEntry.class		TQSM3	Section 9.3
Original.class		TQSM3	Section 9.3
PassLogEntry.class		TQSM8	Section 9.8
PersonnelEntry.class		TQSM3	Section 9.3
StickyEntry.class		TQSM5	Section 9.5
StickyEntry\$Stickyable.class		TQSM5	Section 9.5
Systemic.class		TQSM3	Section 9.3
Unlinkable.class		TQSM7	Section 9.7
AbstractDataConnection.class		TQSM2	Section 9.2
AbstractDataconnection\$1.class		TQSM2	Section 9.2
AbstractRequest.class		TQSM2	Section 9.2
AnomalyRequest.class		TQSM11	Section 9.11
AnomalyResult.class		TQSM11	Section 9.11
DataConnection.class		TQSM2	Section 9.2
NoteRequest.class		TQSM4	Section 9.4
NoteResult.class		TQSM4	Section 9.4
OpenAnomalyRequest.class		TQSM19	Section 9.19
OpenAnomalyResult.class		TQSM19	Section 9.19
PassLogRequest.class		TQSM9	Section 9.9
PassLogResult.class		TQSM9	Section 9.9
PersonnelRequest.class		TQSM3	Section 9.3
PersonnelResult.class		TQSM3	Section 9.3
Recipient.class		TQSM4	Section 9.3
Request.class		TQSM4	Section 9.3
Result.class		TQSM4	Section 9.3
StickyRequest.class		TQSM5	Section 9.5
StickyResult.class		TQSM5	Section 9.5
AnomalyModule.class		TQSM11	Section 9.11
DayArrayList.class		TQSM4	Section 9.4
DayModule.class		TQSM4	Section 9.4
DayModule\$DayViewer.class		TQSM4	Section 9.4
LinkingEntryList.class		TQSM7	Section 9.7
ListModule.class		TQSM4	Section 9.4
ListModule\$Viewer.class		TQSM4	Section 9.4
Module.class		TQSM4	Section 9.4
NoteModule.class		TQSM4	Section 9.4
OpenAnomalyModule.class		TQSM19	Section 9.19
PassLogModule.class		TQSM9	Section 9.9
PersonnelModule.class		TQSM4	Section 9.4
StickyModule.class		TQSM5	Section 9.5
UnlinkingEntryList.class		TQSM7	Section 9.7

AbstractView.class		TQSM4	Section 9.4
ArrayList.class		TQSM4	Section 9.4
DayList.class		TQSM4	Section 9.4
DayView.class		TQSM4	Section 9.4
EntryList.class		TQSM4	Section 9.4
SortedDayViewer.class		TQSM4	Section 9.4
SortedEntryList.class		TQSM4	Section 9.4
SortedViewer.class		TQSM4	Section 9.4
View.class		TQSM4	Section 9.4
DBConstants.class		TQSM4	Section 9.4
NewString.class		TQSM4	Section 9.4
SqlAnomalyResult.class		TQSM11	Section 9.11
SqlConnection.class		TQSM4	Section 9.4
SqlNoteResult.class		TQSM4	Section 9.4
SqlOpenAnomalyResult.class		TQSM11	Section 9.11
SqlPassLogResult.class		TQSM9	Section 9.9
SqlPersonnelResult.class		TQSM4	Section 9.4
SqlResult.class		TQSM4	Section 9.4
SqlStickyResult.class		TQSM5	Section 9.5
AbstractDaySelectionModel.class		TQSM4	Section 9.4
DaySelectionModel.class		TQSM4	Section 9.4
DefaultDaySelectionModel.class		TQSM4	Section 9.4
Icons.class		TQSM2	Section 9.2
QActionButton.class		TQSM3	Section 9.3
QArrowButton.class		TQSM2	Section 9.2
QCombo.class		TQSM8	Section 9.8
QCombo\$1.class		TQSM8	Section 9.8
QDateField.class		TQSM8	Section 9.8
QDayField.class		TQSM8	Section 9.8
QFactory.class		TQSM8	Section 9.8
QFactory\$1.class		TQSM8	Section 9.8
QTable.class		TQSM2	Section 9.2
TqsmFrame.class		TQSM2	Section 9.2
DaySelectionListener.class		TQSM2	Section 9.2
EntryListEvent.class		TQSM2	Section 9.2
EntryListListener.class		TQSM2	Section 9.2
Dates.class		TQSM2	Section 9.2
Day.class		TQSM2	Section 9.2
Days.class		TQSM2	Section 9.2
QCalendar.class		TQSM2	Section 9.2
ReversibleComparator.class		TQSM2	Section 9.2
bsh-1.2b6.jar		TQSM14 – TQSM19	Sections 9.14 – 9.19
gnujaxp.jar		TQSM14 – TQSM19	Sections 9.14 – 9.19
iText-1.00.jar		TQSM14 – TQSM19	Sections 9.14 – 9.19
jcommon-0.8.3.jar		TQSM14 – TQSM19	Sections 9.14 – 9.19
junit.jar		TQSM14 – TQSM19	Sections 9.14 – 9.19
Jakarta-poi-1.10.0-dev-20030222.jar		TQSM14 – TQSM19	Sections 9.14 – 9.19
pixie-0.8.0.jar		TQSM14 – TQSM19	Sections 9.14 – 9.19
Alarm.class		TQSM20 – TQSM21	Sections 9.20 – 9.21
AlarmActionBar.class		TQSM20 – TQSM21	Sections 9.20 – 9.21
AlarmComparator.class		TQSM20 – TQSM21	Sections 9.20 – 9.21
AlarmEntryList.class		TQSM20 – TQSM21	Sections 9.20 – 9.21
AlarmEntryPanel.class		TQSM20 – TQSM21	Sections 9.20 – 9.21

AlarmMultiPanel.class		TQSM20 – TQSM21	Sections 9.20 – 9.21
AlarmTable.class		TQSM20 – TQSM21	Sections 9.20 – 9.21
AlarmTable\$1.class		TQSM20 – TQSM21	Sections 9.20 – 9.21
AlarmTable\$2.class		TQSM20 – TQSM21	Sections 9.20 – 9.21
AlarmTable\$Model.class		TQSM20 – TQSM21	Sections 9.20 – 9.21
AlarmViewer.class		TQSM20 – TQSM21	Sections 9.20 – 9.21
AlarmViewPanel.class		TQSM20 – TQSM21	Sections 9.20 – 9.21
AlarmViewPanel\$1.class		TQSM20 – TQSM21	Sections 9.20 – 9.21
AlarmEntry.class		TQSM20 – TQSM21	Sections 9.20 – 9.21
AlarmNameEntry.class		TQSM20 – TQSM21	Sections 9.20 – 9.21
ResponseEntry.class		TQSM20 – TQSM21	Sections 9.20 – 9.21
AlarmModule.class		TQSM20 – TQSM21	Sections 9.20 – 9.21
AlarmNameModule.class		TQSM20 – TQSM21	Sections 9.20 – 9.21
AlarmNameRequest.class		TQSM20 – TQSM21	Sections 9.20 – 9.21
AlarmNameResult.class		TQSM20 – TQSM21	Sections 9.20 – 9.21
SqlAlarmNameResult.class		TQSM20 – TQSM21	Sections 9.20 – 9.21
AlarmRequest.class		TQSM20 – TQSM21	Sections 9.20 – 9.21
AlarmResult.class		TQSM20 – TQSM21	Sections 9.20 – 9.21
SqlAlarmNameResult.class		TQSM20 – TQSM21	Sections 9.20 – 9.21
TimePeriodViewer.class		TQSM15	Section 9.15
TPChildAwareComparator		TQSM15	Section 9.15
TPChildAwareEntryList		TQSM15	Section 9.15
LogBookTPTTableModel.class		TQSM15	Section 9.15
LogPrintFrame.class		TQSM15	Section 9.15
LogPrintFrame\$1.class		TQSM15	Section 9.15
LogPrintFrame\$2.class		TQSM15	Section 9.15
LogPrintFrame\$3.class		TQSM15	Section 9.15
TimePeriodRequest.class		TQSM15	Section 9.15
TimePeriodResult.class		TQSM15	Section 9.15
TimePeriodModule.class		TQSM15	Section 9.15
SqlTimePeriodResult.class		TQSM15	Section 9.15
LogBookDPNote.class		TQSM22	Section 9.22
ReadTDPFile.class		TQSM22	Section 9.22
DLog.class		TQSM24	Section 9.24
DLogActionBar.class		TQSM24	Section 9.24
DLogEntryPanel.class		TQSM24	Section 9.24
DLogMultiPanel.class		TQSM24	Section 9.24
DLogFrame.class		TQSM24	Section 9.24
StickyColors.class		TQSM23	Section 9.23

The following sections describes how to test

TQSM Version _____

Start Date & Time: _____

Executed By: _____ Signature: _____

Witnessed By: _____ Signature: _____

- Viewing long note text

TESTS

- i. Press the add note button.
- ii. Type a title and note text into the appropriate boxes in the add note form.
- iii. Press "Save and Close".
- iv. Press "No" in the Confirm New Entry dialog.
- v. All data should remain in the fields and the window remains open.
- vi. Press "Save and Close".
- vii. Press "Yes" in the Confirm New Entry dialog.
- viii. Press the add note button.
- ix. Type a title and note text into the appropriate boxes in the add note form.
- x. Press "Clear Input Fields" and the data should disappear.
- xi. Type a title and note text into the appropriate boxes in the add note form.
- xii. Press the close icon in the top left of the new note window.
- xiii. No new note should appear in logbook display.

PASS/FAIL

Pass/Fail Conditions: New note is successfully entered into the logbook after pressing "Save Changes and Close" in the new note window, and the new note window should close. Data is not changed when user attempts to change data in boxes on logbook form. Data fields in new note window cleared of data when "Clear Data" is pressed. New note window closes without submitting a new note entry when that window's close icon is pressed.

RESULT: PASS FAIL (circle one)

_____initials

9.4.TQSM4: Viewing note details and reading long text

Test Case Verification Number: TQSM4

INTRODUCTION

This test verifies that the user can view the details of an existing note in the logbook tab, and that long note text can be viewed in a separate resizable window for better readability.

APPROACH

Login successfully to the TQSM system. Using the TQSM GUI, test the ability to view the details of existing notes in the logbook tab.

FEATURES TO BE TESTED

- View the details of a given note record in the fields in the bottom half of the logbook tab.
- View long note text in a separate resizable window.

FEATURES NOT TO BE TESTED

- Adding notes
- Appending notes
- Printing
- Navigating between days of entries
- Sorting

TESTS

- i. Highlight a note in the logbook table.
- ii. Check to see that the title, date/time and author listed in the table are also listed in the boxes below.
- iii. Attempt to edit the data.
- iv. If the highlighted note does not have long text, find a note that does.
- v. Press the View Text button.

- vi. Resize view text window and scroll to ensure that all text matches the text in the note text box on the logbook screen.
- vii. Resize the view text window smaller to ensure that all text resizes accordingly and does not get cut off when the window is resized smaller.

PASS/FAIL

Pass/Fail Conditions: Note text of a highlighted note appears properly in the boxes below the logbook table. Long note text appears in a separate resizable window when requested.

RESULT: PASS FAIL (circle one) _____ initials

9.5.TQSM5: Adding Sticky Notes and making existing notes sticky

Test Case Verification Number: TQSM5

INTRODUCTION

This test verifies that a new sticky note can be added to the logbook and that an existing note can be made sticky.

APPROACH

Login successfully to the TQSM system. Using the TQSM GUI, test the sticky note feature on the logbook tab.

FEATURES TO BE TESTED

- Adding new sticky notes
- Making existing notes sticky

FEATURES NOT TO BE TESTED

- Changing start and stop times on existing sticky notes

TESTS

- i. Press the add note button.
- ii. Type a title and note text into the appropriate boxes in the add note form.
- iii. Press the pink sticky button.
- iv. Change stop time in the sticky dialog and press OK. (Changing the start time to later will force you to wait to verify the existence of the sticky.)
- v. Press "Save and Close".
- vi. Press "No" in the Confirm New Entry dialog.
- vii. All data should remain in the fields and the window remains open.
- viii. Press "Save and Close".
- ix. Press "Yes" in the Confirm New Entry dialog.
- x. Highlight an existing note in the logbook table.
- xi. Press the pink sticky button in the bottom half of the logbook tab.
- xii. Change stop time in the sticky dialog and press OK.

PASS/FAIL

Pass/Fail Conditions: After adding new sticky note, a pastel sticky appears in right hand side of main TQSM window. After making an existing note sticky, a pastel sticky appears in the right hand side of the main TQSM window.

RESULT: PASS FAIL (circle one) _____ initials

9.6.TQSM6: Changing Sticky Note Start and Stop Times

Test Case Verification Number: TQSM6

- vi. Press “No” in the Confirm New Entry dialog.
- vii. All data should remain in the fields and the window remains open.
- viii. Press “Save and Close”.
- ix. Press “Yes” in the Confirm New Entry dialog.
- x. Move to an earlier day that contains notes.
- xi. Move to that same day in the second instance.
- xii. Append a note to an existing note on that earlier day in the first TQSM instance using steps 2 – 5 above and answering “Yes” to the Confirm New Entry dialog.
- xiii. Wait for the second instance to reload and look for the new appended note.

PASS/FAIL

Pass/Fail Conditions: New note is successfully appended into the logbook below its parent item after pressing “Save Changes and Close” in the new note window, and the new note window should close.

RESULT: PASS FAIL (circle one) _____initials

9.8.TQSM8: Adding New Pass Logs

Test Case Verification Number: TQSM8

INTRODUCTION

This test verifies that a new pass log can be added to the logbook and that, once submitted, it is no longer editable.

APPROACH

Login successfully to the TQSM system. Using the TQSM GUI, test the add pass log feature on the pass log tab.

FEATURES TO BE TESTED

- Adding pass logs

FEATURES NOT TO BE TESTED**TESTS**

- i. Click on the Pass Log tab.
- ii. Press the Add Pass Log button.
- iii. Type data into the appropriate boxes in the add pass log window.
- iv. Press the Save and Close button.
- v. Press “No” in the Confirm New Entry dialog.
- vi. All data should remain in the fields and the window remains open.
- vii. Press “Save and Close”.
- viii. Press “Yes” in the Confirm New Entry dialog.
- ix. Correct any errors in data input that may be flagged by the system.
- x. Press the Save and Close button.
- xi. Press “Yes” in the Confirm New Entry dialog.
- xii. Click on the logbook tab to see the pass log record in the logbook table.
- xiii. Click on the Pass Log tab
- xiv. Press the Add Pass Log button.
- xv. Type data into the appropriate boxes in the add pass log window.
- xvi. Press “Clear Input Fields” and the data should disappear.
- xvii. Type data into the appropriate boxes in the add pass log window.
- xviii. Press the close icon in the top left of the new note window.
- xix. No new pass log should appear in logbook display.
- xx. Click on the logbook tab to see that no pass log record was added to the table.

PASS/FAIL

Pass/Fail Conditions: New pass log is successfully added into the logbook after pressing "Save Changes and Close" in the new pass log window and the new pass log window should close. After adding a pass log record, the user cannot edit the data. Pressing Cancel instead of Save Changes and Close will not add the new data to the logbook.

RESULT: PASS FAIL (circle one) _____initials

9.9. TQSM9: Viewing Pass Log Details

Test Case Verification Number: TQSM9

INTRODUCTION

This test verifies that the user can view the details of an existing pass log in the pass log tab.

APPROACH

Login successfully to the TQSM system. Using the TQSM GUI, test the ability to view the details of existing pass logs in the pass log tab.

FEATURES TO BE TESTED

- ◆ Viewing pass log details

FEATURES NOT TO BE TESTED

- ◆ Adding pass logs

TESTS

- i. Highlight a pass log record in the logbook table
- ii. Click the pass log tab
- iii. View the details of the chosen pass log record
- iv. Attempt to edit the data

PASS/FAIL

Pass/Fail Conditions: Details of chosen pass log record are viewable in the pass log tab.

RESULT: PASS FAIL (circle one) _____initials

9.10. TQSM10: Adding New Anomalies

Test Case Verification Number: TQSM10

INTRODUCTION

This test verifies that a new anomaly can be added to the logbook and that, once submitted, it is editable.

APPROACH

Login successfully to the TQSM system. Using the TQSM GUI, test the add anomaly feature on the anomaly tab.

FEATURES TO BE TESTED

- Adding anomalies.

FEATURES NOT TO BE TESTED

- Viewing anomaly details.
- Editing anomalies.

TESTS

- i. Click on the Anomaly tab.

- ii. Press the Add Anomaly button.
- iii. Type data into the appropriate boxes in the add anomaly window.
- iv. Press the Save and Close button.
- v. Correct any errors in data input that may be flagged by the system.
- vi. Press the Save and Close button.
- vii. Click on the logbook tab to see the anomaly record in the logbook table.
- viii. Highlight the Anomaly just entered.
- ix. Click on the Anomaly tab to view details and check that the Last Update Date is close to the GMT time of the anomaly.
- x. While on the anomaly tab, press the Add Anomaly button.
- xi. Type data into the appropriate boxes in the add anomaly window.
- xii. Press the "Clear Input Fields" button.
- xiii. Type data into the appropriate boxes in the add anomaly window.
- xiv. Press the close icon in the upper left corner of the window.
- xv. Click on the logbook tab to see that no anomaly record was added to the table.

PASS/FAIL

Pass/Fail Conditions: New anomaly is successfully added into the logbook after pressing "Save Changes and Close" in the new anomaly window and the new anomaly window should close. Pressing Cancel instead of Save Changes and Close will not add the new data to the logbook.

RESULT: PASS FAIL (circle one) _____ initials

9.11. TQSM11: Viewing Anomaly Details

Test Case Verification Number: TQSM11

INTRODUCTION

This test verifies that the user can view the details of an existing anomaly in the anomaly tab.

APPROACH

Login successfully to the TQSM system. Using the TQSM GUI, test the ability to view the details of existing anomalies in the anomaly tab.

FEATURES TO BE TESTED

- Viewing anomaly details.

FEATURES NOT TO BE TESTED

- Adding anomalies.
- Editing anomalies.

TESTS

- i. Highlight an anomaly record in the logbook table
- ii. Click the anomaly tab
- iii. View the details of the chosen anomaly record

PASS/FAIL

Pass/Fail Conditions: Details of chosen anomaly record are viewable in the anomaly tab.

RESULT: PASS FAIL (circle one) _____ initials

9.12. TQSM12: Editing Anomalies

Test Case Verification Number: TQSM12

INTRODUCTION

This test verifies that the user can edit the details of an existing anomaly in the anomaly tab.

APPROACH

Login successfully to the TQSM system. Using the TQSM GUI, test the ability to edit the details of existing anomalies in the anomaly tab.

FEATURES TO BE TESTED

- Editing anomalies.

FEATURES NOT TO BE TESTED

- Adding anomalies.
- Viewing anomaly details.

TESTS

- i. Highlight an anomaly record in the logbook table
- ii. Click the anomaly tab
- iii. Press the Edit Anomaly button
- iv. Change some data, including the title
- v. Press Submit
- vi. Check the Last Update Date to see that it changed and is close to the current system time.
- vii. Click on the logbook tab to see the new anomaly title. If a closed date was added to the anomaly, check the anomaly title to see if (Closed) appears at the beginning of the anomaly title in the logbook display.
- viii. Highlight the anomaly record
- ix. Click the anomaly tab
- x. View the details with the new changes
- xi. Press Edit Anomaly button
- xii. Change some data
- xiii. Press Cancel
- xiv. No changes were submitted

PASS/FAIL

Pass/Fail Conditions: Details of chosen anomaly record are editable in the anomaly tab. The edit can be canceled by pressing the cancel button and the edit will be canceled without changing the existing data.

RESULT: PASS FAIL (circle one) _____ initials

9.13. TQSM13: Viewing alarms from the web

Test Case Verification Number: TQSM13

INTRODUCTION

This test case is used to verify the display of out of limits alarms from the web.

APPROACH

Log on to the operations web site at "gpbops.stanford.edu" and open the alarms web page.

FEATURES TO BE TESTED

- ◆ RTWorks alarms report.

FEATURES NOT TO BE TESTED

TESTS

- i. Type "gpbops.stanford.edu" into a browser window.
- ii. Find the TQSM link and click
- iii. Find the alarms link and click to open the report

PASS/FAIL

Pass/Fail Conditions: Successfully retrieve and display the RTWorks alarms report from a browser.

RESULT: PASS FAIL (circle one) _____initials

9.14. TQSM14: Viewing logbook summary from the web

Test Case Verification Number: TQSM14

INTRODUCTION

This test case is used to verify the display of the logbook summary from the web.

APPROACH

Log on to the operations web site at "gpbops.stanford.edu" and open the logbook summary web page.

FEATURES TO BE TESTED

- Logbook Summary report.

FEATURES NOT TO BE TESTED

TESTS

- Type "gpbops.stanford.edu" into a browser window. (use Netscape7 on UNIX systems)
- Find the TQSM link and click
- Find the logbook summary link and click to open the report
- If the cron jobs are not synched properly, perform the following steps:
 - Run tqsm_auto_print script manually from the /tqsm/scripts directory
 - Open /apps/supported/tqsm/reports to view the LogBookSummary PDF file
 - This PDF file should have the current date and time

PASS/FAIL

Pass/Fail Conditions: Successfully retrieve and display the logbook summary report from a browser.

RESULT: PASS FAIL (circle one) _____initials

9.15. TQSM15: Printing a logbook summary

Test Case Verification Number: TQSM15

INTRODUCTION

Tests the printing of the logbook summary report.

APPROACH

Login successfully to the TQSM system. Using the TQSM GUI, test the ability to print the summary of the data displayed in the logbook table.

FEATURES TO BE TESTED

- Verifies that the information printed is the information displayed.
- Verifies that the information printed for the chosen start and stop times is the information displayed for the chosen start and stop times.

FEATURES NOT TO BE TESTED

TESTS

- i. Click the print button at the top of the logbook form
- ii. Click the Go button on the logbook print form
- iii. Choose print from the menu on the print preview form
- iv. Type the name of the printer into the operating system's print dialog and press the dialog's OK button
- v. Compare the information on the printout to the information in the logbook table
- vi. Click the print button at the top of the logbook form
- vii. Enter start and stop times that differ from the start and stop times shown on the logbook print form (be sure that data exists for the start and stop times that you choose)
- viii. Choose print from the menu on the print preview form
- ix. Type the name of the printer into the operating system's print dialog and press the dialog's OK button
- x. Compare the information on the printout to the information in the logbook table

PASS/FAIL

Pass/Fail Conditions: Passes if data printed matches the data displayed in the logbook table on the logbook tab.

RESULT: PASS FAIL (circle one) _____initials

9.16. TQSM16: Printing an individual note

Test Case Verification Number: TQSM16

INTRODUCTION

Tests the printing of a chosen note.

APPROACH

Login successfully to the TQSM system. Using the TQSM GUI, test the ability to print the note highlighted in the logbook table.

FEATURES TO BE TESTED

- Verifies that the information printed is the note highlighted

FEATURES NOT TO BE TESTED**TESTS**

- i. Highlight the desired note to print in the logbook table
- ii. Click the print button at the bottom of the logbook form
- iii. Choose print from the menu on the print preview form
- iv. Type the name of the printer into the operating system's print dialog and press the dialog's OK button
- v. Compare the information on the printout to the information in fields at the bottom of the logbook tab

PASS/FAIL

Pass/Fail Conditions: Passes if data printed matches the data displayed in the logbook tab.

RESULT: PASS FAIL (circle one) _____initials

9.17. TQSM17: Printing an individual pass log

Test Case Verification Number: TQSM17

INTRODUCTION

Tests the printing of a chosen pass log.

APPROACH

Login successfully to the TQSM system. Using the TQSM GUI, test the ability to print the pass log displayed in the pass log tab.

FEATURES TO BE TESTED

- Verifies that the information printed is the pass log highlighted

FEATURES NOT TO BE TESTED**TESTS**

- Highlight the desired pass log to print in the logbook table
- Click the pass log tab to display the pass log details
- Click the print button at the bottom of the pass log tab
- Choose print from the menu on the print preview form
- Type the name of the printer into the operating system's print dialog and press the dialog's OK button
- Compare the information on the printout to the information in fields on the pass log tab

PASS/FAIL

Pass/Fail Conditions: Passes if data printed matches the data displayed in the pass log tab.

RESULT: PASS FAIL (circle one) _____ initials

9.18. TQSM18: Printing an individual anomaly

Test Case Verification Number: TQSM18

INTRODUCTION

Tests the printing of a chosen anomaly.

APPROACH

Login successfully to the TQSM system. Using the TQSM GUI, test the ability to print the anomaly displayed in the anomaly tab.

FEATURES TO BE TESTED

- Verifies that the information printed is the anomaly highlighted

FEATURES NOT TO BE TESTED**TESTS**

- Highlight the desired anomaly to print in the logbook table
- Click the anomaly tab to display the anomaly details
- Click the Print Anomaly button at the bottom of the anomaly tab
- Choose print from the menu on the print preview form
- Type the name of the printer into the operating system's print dialog and press the dialog's OK button
- Compare the information on the printout to the information in fields on the anomaly tab

PASS/FAIL

Pass/Fail Conditions: Passes if data printed matches the data displayed in the anomaly tab.

RESULT: PASS FAIL (circle one) _____ initials

9.19. TQSM19: Printing a summary of open anomalies

Test Case Verification Number: TQSM19

INTRODUCTION

Tests the printing of the open anomaly summary report.

APPROACH

Login successfully to the TQSM system. Using the TQSM GUI, test the ability to print the summary of the open anomaly records.

FEATURES TO BE TESTED

- Verifies that the information printed is the list of open anomalies.

FEATURES NOT TO BE TESTED**TESTS**

- i. Verify if open anomalies exist and what their numbers are.
- ii. If no open anomalies exist, add 3 or 4.
- iii. Click the print summary button on the anomaly tab
- iv. Choose print from the menu on the print preview form
- v. Type the name of the printer into the operating system's print dialog and press the dialog's OK button
- vi. Compare the information on the printout to the information gathered in steps i and ii above

PASS/FAIL

Pass/Fail Conditions: Passes if data printed matches the open anomalies.

RESULT: PASS FAIL (circle one) _____ initials

9.20. TQSM20: Alarms entered into TQSM from RTWorks

Test Case Verification Number: TQSM20

INTRODUCTION

This test verifies that alarms are properly inserted into TQSM from the RTWorks report.

APPROACH

Login successfully to the TQSM system. Using the TQSM GUI, test the visibility of alarm records in the logbook.

FEATURES TO BE TESTED

- Automated entry of alarms into TQSM from RTWorks.

FEATURES NOT TO BE TESTED

- Adding of alarm responses to a given alarm record.
- Viewing of alarm details.

TESTS

- i. Determine the RTWorks report to use for testing.
- ii. Print it out.
- iii. Manually run the script to parse the RTWorks report into the TQSM Alarms table.
(/home/tqsm/tqsm_ingest.exp)
- iv. Open an instance of TQSM if one is not already open.
- v. Move to the day in the logbook that matches the date in the RTWorks report.
- vi. Check to see that the alarm entries are in the logbook. If they are not, exit TQSM and reopen it. Repeat step V. (TQSM does not currently reload any day that has previously been loaded.)
- vii. Compare the information on the printout to the information in the logbook records.

PASS/FAIL

Pass/Fail Conditions: Passes if alarm records appear in logbook and they match the information in the RTWorks report.

RESULT: PASS FAIL (circle one) _____initials

9.21. TQSM21: View alarm details and enter alarm responses

Test Case Verification Number: TQSM21

INTRODUCTION

This test verifies the viewing of alarm details in the alarm screen and the ability to enter alarm responses for a given alarm.

APPROACH

Login successfully to the TQSM system. Using the TQSM GUI, test the ability to view alarm record details in the alarm tab and add responses to the alarm record.

FEATURES TO BE TESTED

- Viewing alarm record details.
- Adding alarm responses to a given alarm record.

FEATURES NOT TO BE TESTED

- Automated entry of alarms into TQSM from RTWorks.

TESTS

- i. Highlight an alarm record in the logbook tab.
- ii. Click on the alarm tab.
- iii. View the details of the alarm record in the top text box. This information should match the information in the logbook tab. There will be extra lines of information in the alarm tab.
- iv. Click the Add Response button.
- v. Type a title and details into the text boxes at the bottom of the tab. Choose a response type (Acknowledge, In Process, Complete).
- vi. Click the OK button.
- vii. Move back to the logbook tab to view the response record indented below the alarm record. The response icon will be orange for Acknowledge, yellow for In Process and green for Complete.

PASS/FAIL

Pass/Fail Conditions: Passes if data viewable from the alarm tab and a response successfully added.

RESULT: PASS FAIL (circle one) _____initials

9.22. TQSM22: Data Processing Note Entered into TQSM

Test Case Verification Number: TQSM22

INTRODUCTION

This test verifies that a note is entered into TQSM from the latest tdp_L1.sum file. The note contains a title and the entire contents of the tdp_L1.sum file.

APPROACH

Login successfully to the TQSM system. Using the TQSM GUI, test the visibility of data processing notes in the logbook.

FEATURES TO BE TESTED

- Automated entry of data processing notes into TQSM.

FEATURES NOT TO BE TESTED

- Manual entry of notes.

TESTS

- Determine the tdp)L1.sum report to use for testing.
- Print it out.
- Manually run the Java file to insert the tdp_L1.sum file into the Notes table.
(/apps/supported/tqsm/scripts/ReadTDPFile.class)
- Open an instance of TQSM if one is not already open.
- Move to the current day in the logbook.
- Check to see that a new entry exists in the logbook with a current time for the data processing note.
The title should read "Data Processing Complete: " with the date of the tdp_L1.sum file.
- Compare the information on the printout to the information in the logbook record.

PASS/FAIL

Pass/Fail Conditions: Passes if data processing record appears in logbook and it matches the information in the tdp)L1.sum report.

RESULT: PASS FAIL (circle one) _____initials

9.23. TQSM23: Automatic Data Refresh

Test Case Verification Number: TQSM23

INTRODUCTION

This test verifies that the logbook data is refreshed at regular intervals – currently every 30 seconds.

APPROACH

Login successfully to the TQSM system. Using the TQSM GUI, test the automatic refreshing of the entries in the logbook.

FEATURES TO BE TESTED

- Automatic refresh of logbook data.

FEATURES NOT TO BE TESTED

- Manual entry of notes.

TESTS

- Open a second instance of TQSM if one is not already open.
- Note the times displayed in the logbook label in the second instance.
- Add a note to the first instance.
- Watch the second instance for a refresh – happens every 30 seconds.
- Check that the new note entered in the first instance is visible in the second instance.
- Check that the logbook label has been updated in the second instance to reflect a time at least 30 seconds past the original time

PASS/FAIL

Pass/Fail Conditions: Passes if data processing record appears in logbook and it matches the information in the tdp)L1.sum report.

RESULT: PASS FAIL (circle one) _____initials

9.24. TQSM24: Dlogs from Notes and from Scratch

Test Case Verification Number: TQSM24

INTRODUCTION

This test verifies that the user is able to create a d-log from an existing logbook note or from scratch.

APPROACH

Login successfully to the TQSM system. Using the TQSM GUI, test the creation of d-log records from existing logbook notes and from scratch.

FEATURES TO BE TESTED

- Creation of d-logs from existing logbook notes.

FEATURES NOT TO BE TESTED

- Manual entry of notes.

TESTS

- i. Open an instance of TQSM if one is not already open.
- ii. Highlight an existing note.
- iii. Press the "Create dlog" button in the bottom half of the logbook screen.
- iv. Ensure that the note text appears in the discrepancy field, the note date appears in the date boxes, and note creator appears in the Originator combo box in the d-log form. Fill in the remaining d-log fields.
- v. Fill in the other appropriate d-log fields.
- vi. Press the Submit button.
- vii. Check the database (D_Log table) to ensure that the D-Log record was properly submitted to the database.
- viii. Highlight a record other than a note record.
- ix. Press the "Create dlog" button.
- x. A dialog will appear stating that you can only create a d-log from an existing note. Press OK.
- xi. Press the New d-log button on the logbook screen.
- xii. Ensure that the current date and time appear in the date fields, the observer is set to the current user and the discrepancy field is blank.
- xiii. Fill in the d-log fields.
- xiv. Press the Clear Inputs button. All fields should be blanked out – discrepancy will be set to blank, observer will be set to the current user and the date will be set to the current date and time. This is true whether starting from an existing note or from scratch.
- xv. Fill in the d-log fields
- xvi. Press the Cancel button.
- xvii. The window will close without creating a new d-log record and no data will appear in the d-log field in the logbook screen for that note.
- xviii. Start from step xi through xiii and press the Submit button to submit the new record.
- xix. Check the database (D_Log table) to ensure that the D-Log record was properly submitted to the database.

PASS/FAIL

Pass/Fail Conditions: Passes if new d-log records are visible in the d-log table of the TQSM database, and the note data is displayed in the appropriate fields of the d-log record when the d-log is created from a note.

RESULT: PASS FAIL (circle one)

_____initials

10. TEST COMPLETION

OVERALL: PASS FAIL

TEST OPERATOR (signature)_____
Date_____
QA WITNESS_____
Date

11. GLOSSARY

This section contains an alphabetic list and definitions of all acronyms used in the document, all proper nouns, and any words used in a non-standard way.

Word	Detail
TQSM	Telemetry Quality and Status Monitoring
LASP	Laboratory for Atmospheric and Space Physics, University of Colorado
moc-server	Host name of the SUN computer that is the primary server for the MOC.
science server	Host name of the SUN computer which is the primary server for science LAN
SAFS	Standard Autonomous File Server (GSFC facility)
MOC	Mission Operations Center
MCR	MOC Change Request