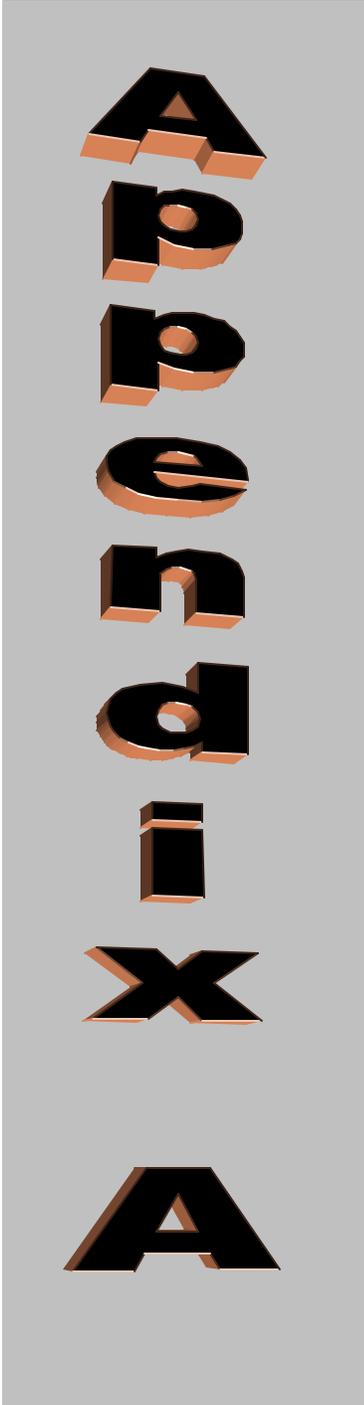


Appendix A - Test Cases

1. General Function Test



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This section contains procedures that verify that the installation and configuration of Broadsword Keymaster were performed correctly. The tests have been developed to minimize repetition. In some cases, however, repetition is necessary to demonstrate differing requirements. All tests are written to run independently of other tests whenever possible. In some cases, a particular test sequence may be required before a test can be completed. In those cases, the tests indicate the proper sequence of events.

The test procedure sheets are organized into four columns, as follows:

- a. Step - This column contains an Arabic numeral that gives each step in the procedure a unique identifier.
- b. Operator Input - This column describes the exact action to be performed by the operator.
- c. Expected Results - This column describes the expected result of the operator input. Unless otherwise noted, all observed results must be exactly as described in the expected results column. The Test Operator records any exceptions in either the Comments column or the Broadsword Test Packet.
- d. Comments - This column is used primarily for expanding on the Operator Input or Expected Results columns.

The Test Operator executes the steps described in the Test Procedure Sheets. During the testing, the Test Director maintains a Formal Test Log to chronologically record events relevant to the formal security testing.

During the execution of installation and configuration certification tests, hardware and/or software failures may occur. These failures impact the ability to continue testing. Consequently, these failures are categorized to provide direction for test continuance.

All software problems found during installation/maintenance testing are allocated in one of the following categories, and recorded in the formal test logs. Software failures are recorded on Software Problem Reports (SPR)'s in accordance with the Common User Baseline for the Intelligence Community (CUBIC) Configuration Management Plan for Broadsword. The following categories apply:

- a. Priority 1 - Critical Problem. This category encompasses those problems which are serious enough in nature to bring testing to a halt, or an accumulation of less critical problems which indicate that degradation of the integrity of the test has progressed to the point that the test must be stopped.
- b. Priority 2 - Major Problem. This category encompasses problems, which cause a loss of efficiency or effectiveness in the ability to complete the test being executed.
- c. Priority 3 - Minor Problem. This category includes those anomalies, which are, in fact, a problem, but have insufficient impact to warrant discontinuance of testing. For an anomaly to fit this category, it cannot affect the results of the test being performed or any future tests.

Corrective action, as a result of an SPR generated during security certification testing, depends on how the problem was categorized. A Priority 1 SPR requires that the software development organization correct the problem prior to the continuance of testing. A Priority 2 SPR requires a decision by the Test

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Director as to whether a software fix is required before continuing with security certification testing. A Priority 3 SPR does not require software fix during security certification testing.

Note: To the Tests create the following accounts:

- bswdadmn
- bswdtst1
- bswdisso

Test Case 1	
Site Acceptance Test Procedure	
Test Procedure Name:	Keymaster V3.0., General Function Test
Objective:	Site acceptance for General Functions.
Comments: Login to the proper port and peruse the Help menu.	
Prerequisites: To run this test you will need the following: (1) URL of the assigned Server & a valid user id/password	
Test Date: _____	Time of Test: _____
Pass	<div style="display: inline-block; border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> Fail

Step	Operator Input	Expected Results	Comments
1	Log into your workstation. Method will vary by workstation type.	User will be logged into workstation.	Login
2	On your workstation, start the browser. Method will vary by workstation type.	The browser will open in a separate window.	Browser
3	In the Browser window, in the Location area, enter the URL for Broadsword Keymaster and press Enter.	The Keymaster Login page will be displayed.	Login
4	In the Username box, enter a valid user account name and valid password, then click on "Accept."	The View/Remove Gatekeepers page will be displayed.	Login
5	Click on "Help" in the menu bar.	The Help drop-down box appears	
6	Click on "Support" in the drop-down box.	The "Project Broadsword Points of Contact" page will be displayed in a separate window.	Support
7	Close the Support window.	The Support window will close. The View/Remove Gatekeepers page will still be displayed.	
8	Click on "Feedback" in the Help drop-down box.	The Feedback form will be displayed in a separate	Feedback

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Step	Operator Input	Expected Results	Comments
		window. All entries should be blank.	
9	Close the Feedback window.	The Feedback window will close. The View/Remove Gatekeepers page will still be displayed.	
10	Click on “ About ” in the Help drop-down box.	The “About Project Broadsword” page will be displayed.	About
11	Close the About Project Broadsword window.	The Project Broadsword window will close. The View/Remove Gatekeepers page will still be displayed.	
12	Click on “ Session ” on the menu bar, select “ Logout ” in the top frame.	A window will appear asking if the operator wants to end the session.	Logout
13	Click on “ OK. ”	User will be logged out and the Login page will be displayed.	