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Test Results for Mobile Device Acquisition Tool: Device Seizure 4.0

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NIST
National Institute of
Standards and Technology
U.S. Department of Commerce

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Introduction

The Computer Forensics Tool Testing (CFTT) program is a joint project of the National Institute of Justice (NIJ), the research and development organization of the U.S. Department of Justice (DOJ), and the National Institute of Standards and Technology's (NIST's) Office of Law Enforcement Standards (OLES) and Information Technology Laboratory. CFTT is supported by other organizations, including the Federal Bureau of Investigation, the U.S. Department of Defense Cyber Crime Center, U.S. Internal Revenue Service Criminal Investigation Division Electronic Crimes Program, and the U.S. Department of Homeland Security's Bureau of Immigration and Customs Enforcement, U.S. Customs and Border Protection and U.S. Secret Service. The objective of the CFTT program is to provide measurable assurance to practitioners, researchers, and other applicable users that the tools used in computer forensics investigations provide accurate results. Accomplishing this requires the development of specifications and test methods for computer forensics tools and subsequent testing of specific tools against those specifications.

Test results provide the information necessary for developers to improve tools, users to make informed choices, and the legal community and others to understand the tools' capabilities. This approach to testing computer forensic tools is based on well–recognized methodologies for conformance and quality testing. The specifications and test methods posted on the CFTT Web site (http://www.cftt.nist.gov/) are available for review and comment by the computer forensics community.

This document reports the results from testing Device Seizure, version 4.0, against the *Smart Phone Tool Test Assertions and Test Plan*, available at the CFTT Web site (www.cftt.nist.gov/mobile_devices.htm).

Test results from other software packages and the CFTT tool methodology can be found on NIJ's computer forensics tool testing Web page, http://www.ojp.usdoj.gov/nij/topics/technology/electronic–crime/cftt.htm.

How to Read This Report

This report is divided into five sections. The first section is a summary of the results from the test runs. This section is sufficient for most readers to assess the suitability of the tool for the intended use. The remaining sections of the report describe how the tests were conducted and provide documentation of test case run details that support the report summary. Sections 2 and 3 provide justification for the selection of test cases and assertions from the set of possible cases defined in the test plan for smart phone forensic tools. The test cases are selected, in general, based on features offered by the tool. Section 4 lists the hardware and software used to run the test cases. Section 5 contains a

description of each test case, test assertions used in the test case, the expected result and the actual result.

Test Results for Mobile Device Data Acquisition Tool

Tool Tested: Paraben Device Seizure

Version: 4.0

Run Environment: Windows XP Service Pack 2

Supplier: Paraben Corporation

Address: PO Box 970483, Orem UT, 84097–0483

Tel: 801–796–0944

Fax: 801–796–0610

WWW: http://www.paraben.com

1   Results Summary

Except for the following test cases: SPT–01 (Nokia 6790), SPT–03 (iPhone 3Gs, Blackberry Bold 9700, Blackberry 9630), SPT–04 (HTC Touch Pro 2), SPT–05 (Blackberry 9630, Palm pixi), SPT–06 (iPhone 3Gs, Blackberry Bold 9700, HTC Touch Pro 2, Blackberry 9630, Palm pixi), SPT–07 (iPhone 3Gs, Palm pixi), SPT–08 (HTC Touch Pro 2), SPT–09 (Blackberry Bold 9700, HTC Touch Pro 2, Blackberry 9630, Palm pixi), SPT–10 (Blackberry Bold 9700, HTC Touch Pro 2, Blackberry 9630), SPT–11 (iPhone 3Gs, Blackberry Bold 9700, Blackberry 9630, Palm pixi), SPT–12 (Blackberry 9630), SPT–24 (HTC Touch Pro 2), SPT–28 (iPhone 3Gs, Blackberry Bold 9700, Nokia 6790), SPT–31 (HTC Touch Pro 2), SPT–33 (Blackberry 9630) the tested tool acquired all supported data objects completely and accurately from the selected test mobile devices (i.e., iPhone 3Gs, Blackberry Bold 9700, Nokia 6790, HTC Touch Pro 2, Blackberry 9630, Samsung Moment, Palm pixi). The exceptions were the following:

- Connectivity to the device was not successful. Test Case: SPT–01 (Nokia 6790)
- Notification of device acquisition disruption was not successful. Test Case: SPT–03 (iPhone 3Gs, Blackberry Bold 9700, Blackberry 9630)
- Data acquired from the mobile device is not viewable in the preview–pane. Test Case: SPT–04 (HTC Touch Pro 2)
- Subscriber related data (MSISDN, IMEI) was not reported. Test Case: SPT–05 (Blackberry 9630, Palm pixi)
- Graphics files associated with address book entries were not reported. Test Case: SPT–06 (iPhone 3Gs, Blackberry Bold 9700, HTC Touch Pro 2, Blackberry 9630, Palm pixi)
- Duration of call (i.e., seconds, minutes, hours) not specified. Test Case: SPT–07 (iPhone 3Gs, Palm pixi)
- Text messages were not acquired. Test Case: SPT–08 (HTC Touch Pro 2)
- Acquisition of files associated with MMS messages (i.e., graphics, audio, video) were not reported. Test Case: SPT–09 (Blackberry Bold 9700, Blackberry 9630)
- MMS Messages were not acquired. Test Case: SPT–09 (HTC Touch Pro 2, Palm pixi)

- Acquisitions of stand–alone files (i.e., graphics, audio, video) were not acquired. Test Case: SPT–10 (Blackberry Bold 9700, HTC Touch Pro 2, Blackberry 9630)
- Acquisition of application related data was not successful. Test Case: SPT–11 (iPhone 3Gs, Blackberry Bold 9700, Blackberry 9630, Palm pixi)
- Acquisition of Internet related data was not successful. Test Case: SPT–12 (Blackberry 9630)
- Report generation ended in errors. Test Case: SPT–24 (HTC Touch Pro 2)
- Acquisition of a password–protected SIM was not successful. Test Case: SPT–28 (iPhone 3Gs, Blackberry Bold 9700, Nokia 6790)
- Physical acquisition was not successful; data was not decoded. Test Case: SPT–31 (HTC Touch Pro 2)
- Address book entries containing Non–ASCII characters were not acquired. Text messages containing Non–ASCII characters were not reported in their native format (messages were reported as: '? ? ? ?'). Test Case: SPT–33 (Blackberry 9630)

2 Test Case Selection

Test cases used to test mobile device acquisition tools are defined in *Smart Phone Tool Test Assertions and Test Plan Version 1.0*. To test a tool, test cases are selected from the *Test Plan* document based on the features offered by the tool. Not all test cases or test assertions are appropriate for all tools. There is a core set of base cases that are executed for every tool tested. Tool features guide the selection of additional test cases. If a given tool implements a given feature then the test cases linked to that feature are run. Tables (1a–1f) list the test cases available in Device Seizure. Tables (2a–2f) list the test cases not available in Device Seizure.

Table 1a: Selected Test Cases (iPhone 3Gs)

Supported Test Cases	Cases Selected for Execution
Base Cases	SPT–01, SPT–02, SPT–03, SPT–04, SPT–05, SPT–06, SPT–07, SPT–08, SPT–09, SPT–10, SPT–11, SPT–12, SPT–13
Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	SPT–14
Attempt acquisition of a non–supported SIM.	SPT–15
Begin SIM acquisition and interrupt connectivity by interface disengagement.	SPT–16
Acquire SIM memory and review reported subscriber and equipment related information (i.e., SPN, ICCID, IMSI, MSISDN).	SPT–17
Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).	SPT–18
Acquire SIM memory and review reported Last Numbers Dialed (LND).	SPT–19

Supported Test Cases	Cases Selected for Execution
Acquire SIM memory and review reported text messages (SMS, EMS).	SPT–20
Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).	SPT–21
Acquire SIM memory and review reported location related data (i.e., LOCI, GPRSLOCI).	SPT–22
Acquire SIM memory by selecting a combination of supported data elements.	SPT–23
Acquire mobile device internal memory and review reported data via supported generated report formats.	SPT–24
Acquire mobile device internal memory and review reported data via the preview pane.	SPT–25
Acquire SIM memory and review reported data via supported generated report formats.	SPT–26
Acquire SIM memory and review reported data via the preview–pane.	SPT–27
Attempt acquisition of a password–protected SIM.	SPT–28
After a successful mobile device internal memory, alter the case file via third–party means and attempt to re–open the case.	SPT–29
After a successful SIM acquisition, alter the case file via third–party means and attempt to re–open the case.	SPT–30
Acquire mobile device internal memory and review data containing non–ASCII characters.	SPT–33
Acquire SIM memory and review data containing non–ASCII characters.	SPT–34
Acquire mobile device internal memory and review hash values for vendor supported data objects.	SPT–38
Acquire SIM memory and review hash values for vendor supported data objects.	SPT–39
Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.	SPT–40

Table 2a: Omitted Test Cases (iPhone 3Gs)

Unsupported Test Cases	Cases omitted – not executed
Perform a physical acquisition and review data output for readability.	SPT–31
Perform a physical acquisition and review reports for recoverable deleted data.	SPT–32

Unsupported Test Cases	Cases omitted – not executed
Begin acquisition on a PIN protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.	SPT–35
Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.	SPT–36
Perform a stand–alone mobile device internal memory acquisition and review the status flags for text messages present on the SIM.	SPT–37

Table 1b: Selected Test Cases (BlackBerry Bold 9700)

Supported Test Cases	Cases Selected for Execution
Base Cases	SPT–01, SPT–02, SPT–03, SPT–04, SPT–05, SPT–06, SPT–07, SPT–08, SPT–09, SPT–10, SPT–11, SPT–12, SPT–13
Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	SPT–14
Attempt acquisition of a non–supported SIM.	SPT–15
Begin SIM acquisition and interrupt connectivity by interface disengagement.	SPT–16
Acquire SIM memory and review reported subscriber and equipment related information (i.e., SPN, ICCID, IMSI, MSISDN).	SPT–17
Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).	SPT–18
Acquire SIM memory and review reported Last Numbers Dialed (LND).	SPT–19
Acquire SIM memory and review reported text messages (SMS, EMS).	SPT–20
Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).	SPT–21
Acquire SIM memory and review reported location related data (i.e., LOCI, GPRSLOCI).	SPT–22
Acquire SIM memory by selecting a combination of supported data elements.	SPT–23
Acquire mobile device internal memory and review reported data via supported generated report formats.	SPT–24
Acquire mobile device internal memory and review reported data via the preview pane.	SPT–25
Acquire SIM memory and review reported data via supported generated report formats.	SPT–26

Supported Test Cases	Cases Selected for Execution
Acquire SIM memory and review reported data via the preview–pane.	SPT–27
Attempt acquisition of a password–protected SIM.	SPT–28
After a successful mobile device internal memory, alter the case file via third–party means and attempt to re–open the case.	SPT–29
After a successful SIM acquisition, alter the case file via third–party means and attempt to re–open the case.	SPT–30
Acquire mobile device internal memory and review data containing non–ASCII characters.	SPT–33
Acquire SIM memory and review data containing non–ASCII characters.	SPT–34
Acquire mobile device internal memory and review hash values for vendor supported data objects.	SPT–38
Acquire SIM memory and review hash values for vendor supported data objects.	SPT–39

Table 2b: Omitted Test Cases (BlackBerry Bold 9700)

Unsupported Test Cases	Cases omitted – not executed
Perform a physical acquisition and review data output for readability.	SPT–31
Perform a physical acquisition and review reports for recoverable deleted data.	SPT–32
Begin acquisition on a PIN protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.	SPT–35
Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.	SPT–36
Perform a stand–alone mobile device internal memory acquisition and review the status flags for text messages present on the SIM.	SPT–37
Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.	SPT–40

Table 1c: Selected Test Cases (Nokia 6790)

Supported Test Cases	Cases Selected for Execution
Base Cases	SPT–01
Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	SPT–14

Supported Test Cases	Cases Selected for Execution
Attempt acquisition of a non–supported SIM.	SPT–15
Begin SIM acquisition and interrupt connectivity by interface disengagement.	SPT–16
Acquire SIM memory and review reported subscriber and equipment related information (i.e., SPN, ICCID, IMSI, MSISDN).	SPT–17
Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).	SPT–18
Acquire SIM memory and review reported Last Numbers Dialed (LND).	SPT–19
Acquire SIM memory and review reported text messages (SMS, EMS).	SPT–20
Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).	SPT–21
Acquire SIM memory and review reported location related data (i.e., LOCI, GPRSLOCI).	SPT–22
Acquire SIM memory by selecting a combination of supported data elements.	SPT–23
Acquire SIM memory and review reported data via supported generated report formats.	SPT–26
Acquire SIM memory and review reported data via the preview–pane.	SPT–27
Attempt acquisition of a password–protected SIM.	SPT–28
After a successful SIM acquisition, alter the case file via third–party means and attempt to re–open the case.	SPT–30
Acquire SIM memory and review data containing non–ASCII characters.	SPT–34
Acquire SIM memory and review hash values for vendor supported data objects.	SPT–39

Table 2c: Omitted Test Cases (Nokia 6790)

Unsupported Test Cases	Cases omitted – not executed
Attempt internal memory acquisition of a non–supported mobile device.	SPT–02
Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.	SPT–03
Acquire mobile device internal memory and review reported data via the preview–pane or generated reports for readability.	SPT–04
Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).	SPT–05
Acquire mobile device internal memory and review reported PIM related data.	SPT–06
Acquire mobile device internal memory and review reported call logs.	SPT–07
Acquire mobile device internal memory and review reported text messages.	SPT–08

Unsupported Test Cases	Cases omitted – not executed
Acquire mobile device internal memory and review reported MMS multi–media related data (i.e., text, audio, graphics, video).	SPT–09
Acquire mobile device internal memory and review reported stand–alone multi–media data (i.e., audio, graphics, video).	SPT–10
Acquire mobile device internal memory and review application related data (i.e., word documents, spreadsheet, presentation documents).	SPT–11
Acquire mobile device internal memory and review Internet related data (i.e., bookmarks, visited sites.	SPT–12
Acquire mobile device internal memory by selecting a combination of supported data elements.	SPT–13
Acquire mobile device internal memory and review reported data via supported generated report formats.	SPT–24
Acquire mobile device internal memory and review reported data via the preview pane.	SPT–25
After a successful mobile device internal memory, alter the case file via third–party means and attempt to re–open the case.	SPT–29
Perform a physical acquisition and review data output for readability.	SPT–31
Perform a physical acquisition and review reports for recoverable deleted data.	SPT–32
Acquire mobile device internal memory and review data containing non–ASCII characters.	SPT–33
Begin acquisition on a PIN protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.	SPT–35
Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.	SPT–36
Perform a stand–alone mobile device internal memory acquisition and review the status flags for text messages present on the SIM.	SPT–37
Acquire mobile device internal memory and review hash values for vendor supported data objects.	SPT–38
Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.	SPT–40

Table 1d: Selected Test Cases (HTC Touch Pro 2)

Supported Optional Feature	Cases Selected for Execution
Base Cases	SPT–01, SPT–02, SPT–03, SPT–04, SPT–05, SPT–06, SPT–07, SPT–08, SPT–09, SPT–10, SPT–11, SPT–12, SPT–13
Acquire mobile device internal memory and review reported data via supported generated	SPT–24

Supported Optional Feature	Cases Selected for Execution
report formats.	
Acquire mobile device internal memory and review reported data via the preview pane.	SPT–25
After a successful mobile device internal memory, alter the case file via third–party means and attempt to re–open the case.	SPT–29
Perform a physical acquisition and review data output for readability.	SPT–31
Acquire mobile device internal memory and review data containing non–ASCII characters.	SPT–33
Acquire mobile device internal memory and review hash values for vendor supported data objects.	SPT–38

Table 2d: Omitted Test Cases (HTC Touch Pro 2)

Unsupported Test Cases	Cases omitted – not executed
Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	SPT–14
Attempt acquisition of a non–supported SIM.	SPT–15
Begin SIM acquisition and interrupt connectivity by interface disengagement.	SPT–16
Acquire SIM memory and review reported subscriber and equipment related information (i.e., SPN, ICCID, IMSI, MSISDN).	SPT–17
Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).	SPT–18
Acquire SIM memory and review reported Last Numbers Dialed (LND).	SPT–19
Acquire SIM memory and review reported text messages (SMS, EMS).	SPT–20
Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).	SPT–21
Acquire SIM memory and review reported location related data (i.e., LOCI, GPRSLOCI).	SPT–22
Acquire SIM memory by selecting a combination of supported data elements.	SPT–23
Acquire SIM memory and review reported data via supported generated report formats.	SPT–26
Acquire SIM memory and review reported data via the preview–pane.	SPT–27
Attempt acquisition of a password–protected SIM.	SPT–28
After a successful SIM acquisition, alter the case file via third–party means and attempt to re–open the case.	SPT–30
Perform a physical acquisition and review reports for recoverable deleted data.	SPT–32
Acquire SIM memory and review data containing non–ASCII characters.	SPT–34

Unsupported Test Cases	Cases omitted – not executed
Begin acquisition on a PIN protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.	SPT–35
Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.	SPT–36
Perform a stand–alone mobile device internal memory acquisition and review the status flags for text messages present on the SIM.	SPT–37
Acquire SIM memory and review hash values for vendor supported data objects.	SPT–39
Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.	SPT–40

Table 1e: Selected Test Cases (Blackberry 9630)

Supported Test Cases	Cases Selected for Execution
Base Cases	SPT–01, SPT–02, SPT–03, SPT–04, SPT–05, SPT–06, SPT–07, SPT–08, SPT–09, SPT–10, SPT–11, SPT–12, SPT–13
Acquire mobile device internal memory and review reported data via supported generated report formats.	SPT–24
Acquire mobile device internal memory and review reported data via the preview pane.	SPT–25
After a successful mobile device internal memory, alter the case file via third–party means and attempt to re–open the case.	SPT–29
Acquire mobile device internal memory and review data containing non–ASCII characters.	SPT–33
Acquire mobile device internal memory and review hash values for vendor supported data objects.	SPT–38

Table 2e: Omitted Test Cases (Blackberry 9630)

Unsupported Test Cases	Cases omitted – not executed
Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	SPT–14
Attempt acquisition of a non–supported SIM.	SPT–15
Begin SIM acquisition and interrupt connectivity by interface	SPT–16

Unsupported Test Cases	Cases omitted – not executed
disengagement.	
Acquire SIM memory and review reported subscriber and equipment related information (i.e., SPN, ICCID, IMSI, MSISDN).	SPT–17
Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).	SPT–18
Acquire SIM memory and review reported Last Numbers Dialed (LND).	SPT–19
Acquire SIM memory and review reported text messages (SMS, EMS).	SPT–20
Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).	SPT–21
Acquire SIM memory and review reported location related data (i.e., LOCI, GPRSLOCI).	SPT–22
Acquire SIM memory by selecting a combination of supported data elements.	SPT–23
Acquire SIM memory and review reported data via supported generated report formats.	SPT–26
Acquire SIM memory and review reported data via the preview–pane.	SPT–27
Attempt acquisition of a password–protected SIM.	SPT–28
After a successful SIM acquisition, alter the case file via third–party means and attempt to re–open the case.	SPT–30
Perform a physical acquisition and review data output for readability.	SPT–31
Perform a physical acquisition and review reports for recoverable deleted data.	SPT–32
Acquire SIM memory and review data containing non–ASCII characters.	SPT–34
Begin acquisition on a PIN protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.	SPT–35
Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.	SPT–36
Perform a stand–alone mobile device internal memory acquisition and review the status flags for text messages present on the SIM.	SPT–37
Acquire SIM memory and review hash values for vendor supported data objects.	SPT–39
Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.	SPT–40

Table 1f: Selected Test Cases (Palm pixi)

Supported Test Cases	Cases Selected for Execution
Base Cases	SPT–01, SPT–02, SPT–03, SPT–04, SPT–05, SPT–06, SPT–07, SPT–08, SPT–09, SPT–10, SPT–11, SPT–12, SPT–13

Acquire mobile device internal memory and review reported data via supported generated report formats.	SPT–24
Acquire mobile device internal memory and review reported data via the preview pane.	SPT–25
After a successful mobile device internal memory, alter the case file via third–party means and attempt to re–open the case.	SPT–29
Acquire mobile device internal memory and review data containing non–ASCII characters.	SPT–33
Acquire mobile device internal memory and review hash values for vendor supported data objects.	SPT–38

Table 2f: Omitted Test Cases (Palm pixi)

Unsupported Test Cases	Cases omitted – not executed
Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	SPT–14
Attempt acquisition of a non–supported SIM.	SPT–15
Begin SIM acquisition and interrupt connectivity by interface disengagement.	SPT–16
Acquire SIM memory and review reported subscriber and equipment related information (i.e., SPN, ICCID, IMSI, MSISDN).	SPT–17
Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).	SPT–18
Acquire SIM memory and review reported Last Numbers Dialed (LND).	SPT–19
Acquire SIM memory and review reported text messages (SMS, EMS).	SPT–20
Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).	SPT–21
Acquire SIM memory and review reported location related data (i.e., LOCI, GPRSLOCI).	SPT–22
Acquire SIM memory by selecting a combination of supported data elements.	SPT–23
Acquire SIM memory and review reported data via supported generated report formats.	SPT–26
Acquire SIM memory and review reported data via the preview–pane.	SPT–27
Attempt acquisition of a password–protected SIM.	SPT–28
After a successful SIM acquisition, alter the case file via third–party means and attempt to re–open the case.	SPT–30
Perform a physical acquisition and review data output for readability.	SPT–31
Perform a physical acquisition and review reports for recoverable deleted data.	SPT–32
Acquire SIM memory and review data containing non–ASCII characters.	SPT–34

Unsupported Test Cases	Cases omitted – not executed
Begin acquisition on a PIN protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.	SPT–35
Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.	SPT–36
Perform a stand–alone mobile device internal memory acquisition and review the status flags for text messages present on the SIM.	SPT–37
Acquire SIM memory and review hash values for vendor supported data objects.	SPT–39
Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.	SPT–40

3 Results by Test Assertion

Tables 3a – 3f summarize the test results by assertion. The column labeled **Assertion** gives the text of each assertion. The column labeled **Tests** gives the number of test cases that use the given assertion. The column labeled **Anomaly** gives the section number in this report where the anomaly is discussed.

Table 3a: Assertions Tested: (iPhone 3Gs)

Assertions Tested	Tests	Anomaly
SPT–CA–01 If a cellular forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).	1	
SPT–CA–02 If a cellular forensic tool attempts to connect to a non–supported device then the tool shall notify the user that the device is not supported.	1	
SPT–CA–03 If connectivity between the mobile device and cellular forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted.	1	3.2
SPT–CA–04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview–pane or generated report.	2	
SPT–CA–05 If a cellular forensic tool completes acquisition of the target device without error then subscriber–related information shall be presented in a useable format.	1	
SPT–CA–06 If a cellular forensic tool completes acquisition of the target device without error then equipment related information shall be presented in a useable format.	1	

Assertions Tested	Tests	Anomaly
SPT–CA–07 If a cellular forensic tool completes acquisition of the target device without error then address book entries shall be presented in a useable format.	1	
SPT–CA–08 If a cellular forensic tool completes acquisition of the target device without error then maximum length address book entries shall be presented in a useable format.	1	
SPT–CA–09 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing special characters shall be presented in a useable format.	1	
SPT–CA–10 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing blank names shall be presented in a useable format.	1	
SPT–CA–11 If a cellular forensic tool completes acquisition of the target device without error then email addresses associated with address book entries shall be presented in a useable format.	1	
SPT–CA–12 If a cellular forensic tool completes acquisition of the target device without error then graphics associated with address book entries shall be presented in a useable format.	1	3.5
SPT–CA–13 If a cellular forensic tool completes acquisition of the target device without error then datebook, calendar, note entries shall be presented in a useable format.	1	
SPT–CA–14 If a cellular forensic tool completes acquisition of the target device without error then maximum length datebook, calendar, note entries shall be presented in a useable format.	1	
SPT–CA–15 If a cellular forensic tool completes acquisition of the target device without error then call logs (incoming/outgoing/missed) shall be presented in a useable format.	1	
SPT–CA–16 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.	1	3.6
SPT–CA–17 If a cellular forensic tool completes acquisition of the target device without error then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format.	1	
SPT–CA–18 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps for text messages shall be presented in a useable format.	1	
SPT–CA–19 If a cellular forensic tool completes acquisition of the target device without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.	1	
SPT–CA–20 If a cellular forensic tool completes acquisition of the target device without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.	1	
SPT–CA–21 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated audio	1	

Assertions Tested	Tests	Anomaly
shall be presented in a useable format.		
SPT–CA–22 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated graphic files shall be presented in a useable format.	1	
SPT–CA–23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated video shall be presented in a useable format.	1	
SPT–CA–24 If a cellular forensic tool completes acquisition of the target device without error then stand–alone audio files shall be presented in a useable format via either an internal application or suggested third–party application.	1	
SPT–CA–25 If a cellular forensic tool completes acquisition of the target device without error then stand–alone graphic files shall be presented in a useable format via either an internal application or suggested third–party application.	1	
SPT–CA–26 If a cellular forensic tool completes acquisition of the target device without error then stand–alone video files shall be presented in a useable format via either an internal application or suggested third–party application.	1	
SPT–CA–27 If a cellular forensic tool completes acquisition of the target device without error then device specific application related data shall be acquired and presented in a useable format via either an internal application or suggested third–party application.	1	3.10
SPT–CA–28 If a cellular forensic tool completes acquisition of the target device without error then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.	1	
SPT–CA–29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error.	2	
SPT–CA–32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.	1	
SPT–AO–01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool–supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).	2	
SPT–AO–02 If a cellular forensic tool attempts to connect to a non–supported SIM then the tool shall notify the user that the SIM is not supported.	1	
SPT–AO–03 If a cellular forensic tool loses connectivity with the SIM reader then the tool shall notify the user that connectivity has been disrupted.	1	
SPT–AO–04 If a cellular forensic tool completes acquisition of the target SIM without error then the SPN shall be presented in a useable	1	

Assertions Tested	Tests	Anomaly
format.		
SPT–AO–05 If a cellular forensic tool completes acquisition of the target SIM without error then the ICCID shall be presented in a useable format.	1	
SPT–AO–06 If a cellular forensic tool completes acquisition of the target SIM without error then the IMSI shall be presented in a useable format.	1	
SPT–AO–07 If a cellular forensic tool completes acquisition of the target SIM without error then the MSISDN shall be presented in a useable format.	1	
SPT–AO–08 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format.	1	
SPT–AO–09 If a cellular forensic tool completes acquisition of the target SIM without error then maximum length ADNs shall be presented in a useable format.	1	
SPT–AO–10 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing special characters shall be presented in a useable format.	1	
SPT–AO–11 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing blank names shall be presented in a useable format.	1	
SPT–AO–12 If a cellular forensic tool completes acquisition of the target SIM without error then Last Numbers Dialed (LND) shall be presented in a useable format.	1	
SPT–AO–13 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.	1	
SPT–AO–14 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII SMS text messages shall be presented in a useable format.	1	
SPT–AO–15 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII EMS text messages shall be presented in a useable format.	1	
SPT–AO–16 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for all text messages shall be presented in a useable format.	1	
SPT–AO–17 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.	1	
SPT–AO–18 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.	1	
SPT–AO–19 If the cellular forensic tool completes acquisition of the target SIM without error then deleted text messages that have not been	1	

Assertions Tested	Tests	Anomaly
overwritten shall be presented in a useable format.		
SPT–AO–20 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., LOCI) shall be presented in a useable format.	1	
SPT–AO–21 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., GRPSLOCI) shall be presented in a useable format.	1	
SPT–AO–22 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects acquisition option then the tool shall complete the acquisition of all data objects without error.	1	
SPT–AO–25 If a cellular forensic tool completes acquisition without error then the tool shall present the acquired data in a useable format via supported generated report formats.	2	
SPT–AO–26 If a cellular forensic tool completes acquisition without error then the tool shall present the acquired data in a useable format in a preview–pane view.	2	
SPT–AO–27 If the case file or individual data objects are modified via third–party means then the tool shall provide protection mechanisms disallowing or reporting data modification.	2	
SPT–AO–28 If the SIM is password–protected then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.	1	3.13
SPT–AO–40 If the cellular forensic tool supports display of non–ASCII characters then the application should present ADNs in their native format.	2	
SPT–AO–41 If the cellular forensic tool supports proper display of non–ASCII characters then the application should present text messages in their native format.	2	
SPT–AO–43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.	2	
SPT–AO–44 If the cellular forensic tool supports acquisition of GPS data then the tool shall present the user with the longitude and latitude coordinates for all GPS–related data in a useable format.	1	

Table 3b: Assertions Tested: (Blackberry Bold 9700)

Assertions Tested	Tests	Anomaly
SPT–CA–01 If a cellular forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).	1	
SPT–CA–02 If a cellular forensic tool attempts to connect to a non–supported device then the tool shall notify the user that the device is not supported.	1	
SPT–CA–03 If connectivity between the mobile device and cellular forensic tool is disrupted then the tool shall notify the user that	1	3.2

Assertions Tested	Tests	Anomaly
connectivity has been disrupted.		
SPT–CA–04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview–pane or generated report.	2	
SPT–CA–05 If a cellular forensic tool completes acquisition of the target device without error then subscriber–related information shall be presented in a useable format.	1	
SPT–CA–06 If a cellular forensic tool completes acquisition of the target device without error then equipment related information shall be presented in a useable format.	1	
SPT–CA–07 If a cellular forensic tool completes acquisition of the target device without error then address book entries shall be presented in a useable format.	1	
SPT–CA–08 If a cellular forensic tool completes acquisition of the target device without error then maximum length address book entries shall be presented in a useable format.	1	
SPT–CA–09 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing special characters shall be presented in a useable format.	1	
SPT–CA–10 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing blank names shall be presented in a useable format.	1	
SPT–CA–11 If a cellular forensic tool completes acquisition of the target device without error then email addresses associated with address book entries shall be presented in a useable format.	1	
SPT–CA–12 If a cellular forensic tool completes acquisition of the target device without error then graphics associated with address book entries shall be presented in a useable format.	1	3.5
SPT–CA–13 If a cellular forensic tool completes acquisition of the target device without error then datebook, calendar, note entries shall be presented in a useable format.	1	
SPT–CA–14 If a cellular forensic tool completes acquisition of the target device without error then maximum length datebook, calendar, note entries shall be presented in a useable format.	1	
SPT–CA–15 If a cellular forensic tool completes acquisition of the target device without error then call logs (incoming/outgoing/missed) shall be presented in a useable format.	1	
SPT–CA–16 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.	1	
SPT–CA–17 If a cellular forensic tool completes acquisition of the target device without error then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format.	1	

Assertions Tested	Tests	Anomaly
SPT–CA–18 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps for text messages shall be presented in a useable format.	1	
SPT–CA–19 If a cellular forensic tool completes acquisition of the target device without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.	1	
SPT–CA–20 If a cellular forensic tool completes acquisition of the target device without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.	1	
SPT–CA–21 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated audio shall be presented in a useable format.	1	3.8
SPT–CA–22 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated graphic files shall be presented in a useable format.	1	3.8
SPT–CA–23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated video shall be presented in a useable format.	1	3.8
SPT–CA–24 If a cellular forensic tool completes acquisition of the target device without error then stand–alone audio files shall be presented in a useable format via either an internal application or suggested third–party application.	1	3.9
SPT–CA–25 If a cellular forensic tool completes acquisition of the target device without error then stand–alone graphic files shall be presented in a useable format via either an internal application or suggested third–party application.	1	3.9
SPT–CA–26 If a cellular forensic tool completes acquisition of the target device without error then stand–alone video files shall be presented in a useable format via either an internal application or suggested third–party application.	1	3.9
SPT–CA–27 If a cellular forensic tool completes acquisition of the target device without error then device specific application related data shall be acquired and presented in a useable format via either an internal application or suggested third–party application.	1	3.10
SPT–CA–28 If a cellular forensic tool completes acquisition of the target device without error then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.	1	
SPT–CA–29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error.	2	
SPT–CA–32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.	1	
SPT–AO–01 If a cellular forensic tool provides support for connectivity	2	

Assertions Tested	Tests	Anomaly
of the target SIM then the tool shall successfully recognize the target SIM via all tool–supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).		
SPT–AO–02 If a cellular forensic tool attempts to connect to a non–supported SIM then the tool shall notify the user that the SIM is not supported.	1	
SPT–AO–03 If a cellular forensic tool loses connectivity with the SIM reader then the tool shall notify the user that connectivity has been disrupted.	1	
SPT–AO–04 If a cellular forensic tool completes acquisition of the target SIM without error then the SPN shall be presented in a useable format.	1	
SPT–AO–05 If a cellular forensic tool completes acquisition of the target SIM without error then the ICCID shall be presented in a useable format.	1	
SPT–AO–06 If a cellular forensic tool completes acquisition of the target SIM without error then the IMSI shall be presented in a useable format.	1	
SPT–AO–07 If a cellular forensic tool completes acquisition of the target SIM without error then the MSISDN shall be presented in a useable format.	1	
SPT–AO–08 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format.	1	
SPT–AO–09 If a cellular forensic tool completes acquisition of the target SIM without error then maximum length ADNs shall be presented in a useable format.	1	
SPT–AO–10 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing special characters shall be presented in a useable format.	1	
SPT–AO–11 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing blank names shall be presented in a useable format.	1	
SPT–AO–12 If a cellular forensic tool completes acquisition of the target SIM without error then Last Numbers Dialed (LND) shall be presented in a useable format.	1	
SPT–AO–13 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.	1	
SPT–AO–14 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII SMS text messages shall be presented in a useable format.	1	
SPT–AO–15 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII EMS text messages shall be presented in a useable format.	1	

Assertions Tested	Tests	Anomaly
SPT–AO–16 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for all text messages shall be presented in a useable format.	1	
SPT–AO–17 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.	1	
SPT–AO–18 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.	1	
SPT–AO–19 If the cellular forensic tool completes acquisition of the target SIM without error then deleted text messages that have not been overwritten shall be presented in a useable format.	1	
SPT–AO–20 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., LOCI) shall be presented in a useable format.	1	
SPT–AO–21 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., GRPSLOCI) shall be presented in a useable format.	1	
SPT–AO–22 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects acquisition option then the tool shall complete the acquisition of all data objects without error.	1	
SPT–AO–25 If a cellular forensic tool completes acquisition without error then the tool shall present the acquired data in a useable format via supported generated report formats.	2	
SPT–AO–26 If a cellular forensic tool completes acquisition without error then the tool shall present the acquired data in a useable format in a preview–pane view.	2	
SPT–AO–27 If the case file or individual data objects are modified via third–party means then the tool shall provide protection mechanisms disallowing or reporting data modification.	2	
SPT–AO–28 If the SIM is password–protected then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.	1	3.13
SPT–AO–40 If the cellular forensic tool supports display of non–ASCII characters then the application should present ADNs in their native format.	2	
SPT–AO–41 If the cellular forensic tool supports proper display of non–ASCII characters then the application should present text messages in their native format.	2	
SPT–AO–43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.	2	

Table 3c: Assertions Tested: (Nokia 6790)

Assertions Tested	Tests	Anomaly

Assertions Tested	Tests	Anomaly
SPT–CA–01 If a cellular forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).	1	3.1
SPT–CA–04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview–pane or generated report.	1	
SPT–CA–29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error.	1	
SPT–CA–30 If a cellular forensic tool provides the user with a "Select All" individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error.	1	
SPT–CA–31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object without error.	1	
SPT–CA–32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.	1	
SPT–AO–01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool–supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).	1	
SPT–AO–01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool–supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).	1	
SPT–AO–02 If a cellular forensic tool attempts to connect to a non–supported SIM then the tool shall notify the user that the SIM is not supported.	1	
SPT–AO–03 If a cellular forensic tool loses connectivity with the SIM reader then the tool shall notify the user that connectivity has been disrupted.	1	
SPT–AO–04 If a cellular forensic tool completes acquisition of the target SIM without error then the SPN shall be presented in a useable format.	1	
SPT–AO–05 If a cellular forensic tool completes acquisition of the target SIM without error then the ICCID shall be presented in a useable format.	1	
SPT–AO–06 If a cellular forensic tool completes acquisition of the target SIM without error then the IMSI shall be presented in a useable format.	1	
SPT–AO–07 If a cellular forensic tool completes acquisition of the target SIM without error then the MSISDN shall be presented in a useable format.	1	

Assertions Tested	Tests	Anomaly
SPT–AO–08 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format.	1	
SPT–AO–09 If a cellular forensic tool completes acquisition of the target SIM without error then maximum length ADNs shall be presented in a useable format.	1	
SPT–AO–10 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing special characters shall be presented in a useable format.	1	
SPT–AO–11 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing blank names shall be presented in a useable format.	1	
SPT–AO–12 If a cellular forensic tool completes acquisition of the target SIM without error then Last Numbers Dialed (LND) shall be presented in a useable format.	1	
SPT–AO–13 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.	1	
SPT–AO–14 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII SMS text messages shall be presented in a useable format.	1	
SPT–AO–15 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII EMS text messages shall be presented in a useable format.	1	
SPT–AO–16 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for all text messages shall be presented in a useable format.	1	
SPT–AO–17 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.	1	
SPT–AO–18 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.	1	
SPT–AO–19 If the cellular forensic tool completes acquisition of the target SIM without error then deleted text messages that have not been overwritten shall be presented in a useable format.	1	
SPT–AO–20 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., LOCI) shall be presented in a useable format.	1	
SPT–AO–21 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., GRPSLOCI) shall be presented in a useable format.	1	
SPT–AO–22 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects acquisition option then the tool shall complete the acquisition of all data objects without error.	1	

Assertions Tested	Tests	Anomaly
SPT–AO–25 If a cellular forensic tool completes acquisition without error then the tool shall present the acquired data in a useable format via supported generated report formats.	1	
SPT–AO–26 If a cellular forensic tool completes acquisition without error then the tool shall present the acquired data in a useable format in a preview–pane view.	1	
SPT–AO–27 If the case file or individual data objects are modified via third–party means then the tool shall provide protection mechanisms disallowing or reporting data modification.	1	
SPT–AO–28 If the SIM is password–protected then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.	1	3.13
SPT–AO–40 If the cellular forensic tool supports display of non–ASCII characters then the application should present ADNs in their native format.	1	
SPT–AO–41 If the cellular forensic tool supports proper display of non–ASCII characters then the application should present text messages in their native format.	1	
SPT–AO–43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.	1	

Table 3d: Assertions Tested: (HTC Touch Pro 2)

Assertions Tested	Tests	Anomaly
SPT–CA–01 If a cellular forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).	1	
SPT–CA–02 If a cellular forensic tool attempts to connect to a non–supported device then the tool shall notify the user that the device is not supported.	1	
SPT–CA–03 If connectivity between the mobile device and cellular forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted.	1	
SPT–CA–04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview–pane or generated report.	2	3.3
SPT–CA–05 If a cellular forensic tool completes acquisition of the target device without error then subscriber–related information shall be presented in a useable format.	1	
SPT–CA–06 If a cellular forensic tool completes acquisition of the target device without error then equipment related information shall be presented in a useable format.	1	
SPT–CA–07 If a cellular forensic tool completes acquisition of the	1	

Assertions Tested	Tests	Anomaly
target device without error then address book entries shall be presented in a useable format.		
SPT–CA–08 If a cellular forensic tool completes acquisition of the target device without error then maximum length address book entries shall be presented in a useable format.	1	
SPT–CA–09 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing special characters shall be presented in a useable format.	1	
SPT–CA–10 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing blank names shall be presented in a useable format.	1	
SPT–CA–11 If a cellular forensic tool completes acquisition of the target device without error then email addresses associated with address book entries shall be presented in a useable format.	1	
SPT–CA–12 If a cellular forensic tool completes acquisition of the target device without error then graphics associated with address book entries shall be presented in a useable format.	1	3.5
SPT–CA–13 If a cellular forensic tool completes acquisition of the target device without error then datebook, calendar, note entries shall be presented in a useable format.	1	
SPT–CA–14 If a cellular forensic tool completes acquisition of the target device without error then maximum length datebook, calendar, note entries shall be presented in a useable format.	1	
SPT–CA–15 If a cellular forensic tool completes acquisition of the target device without error then call logs (incoming/outgoing/missed) shall be presented in a useable format.	1	
SPT–CA–16 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.	1	
SPT–CA–17 If a cellular forensic tool completes acquisition of the target device without error then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format.	1	3.7
SPT–CA–18 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps for text messages shall be presented in a useable format.	1	
SPT–CA–19 If a cellular forensic tool completes acquisition of the target device without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.	1	
SPT–CA–20 If a cellular forensic tool completes acquisition of the target device without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.	1	
SPT–CA–21 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated audio shall be presented in a useable format.	1	3.8

Assertions Tested	Tests	Anomaly
SPT–CA–22 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated graphic files shall be presented in a useable format.	1	3.8
SPT–CA–23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated video shall be presented in a useable format.	1	3.8
SPT–CA–24 If a cellular forensic tool completes acquisition of the target device without error then stand–alone audio files shall be presented in a useable format via either an internal application or suggested third–party application.	1	3.9
SPT–CA–25 If a cellular forensic tool completes acquisition of the target device without error then stand–alone graphic files shall be presented in a useable format via either an internal application or suggested third–party application.	1	3.9
SPT–CA–26 If a cellular forensic tool completes acquisition of the target device without error then stand–alone video files shall be presented in a useable format via either an internal application or suggested third–party application.	1	3.9
SPT–CA–27 If a cellular forensic tool completes acquisition of the target device without error then device specific application related data shall be acquired and presented in a useable format via either an internal application or suggested third–party application.	1	
SPT–CA–28 If a cellular forensic tool completes acquisition of the target device without error then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.	1	
SPT–CA–29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error.	2	
SPT–CA–30 If a cellular forensic tool provides the user with a "Select All" individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error.	2	
SPT–CA–31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object without error.	2	
SPT–CA–32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.	1	
SPT–AO–25 If a cellular forensic tool completes acquisition without error then the tool shall present the acquired data in a useable format via supported generated report formats.	1	3.12
SPT–AO–26 If a cellular forensic tool completes acquisition without error then the tool shall present the acquired data in a useable format in a preview–pane view.	1	
SPT–AO–27 If the case file or individual data objects are modified via	1	

Assertions Tested	Tests	Anomaly
third–party means then the tool shall provide protection mechanisms disallowing or reporting data modification.		
SPT–AO–31 If the cellular forensic tool supports a physical acquisition of the target device then the tool shall complete the acquisition without error.	1	3.14
SPT–AO–40 If the cellular forensic tool supports display of non–ASCII characters then the application should present address book entries in their native format.	1	
SPT–AO–41 If the cellular forensic tool supports proper display of non–ASCII characters then the application should present text messages in their native format.	1	
SPT–AO–43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.	1	

Table 3e: Assertions Tested: (Blackberry 9630)

Assertions Tested	Tests	Anomaly
SPT–CA–01 If a cellular forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).	1	
SPT–CA–02 If a cellular forensic tool attempts to connect to a non–supported device then the tool shall notify the user that the device is not supported.	1	
SPT–CA–03 If connectivity between the mobile device and cellular forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted.	1	3.2
SPT–CA–04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview–pane or generated report.	2	
SPT–CA–05 If a cellular forensic tool completes acquisition of the target device without error then subscriber–related information shall be presented in a useable format.	1	3.4
SPT–CA–06 If a cellular forensic tool completes acquisition of the target device without error then equipment related information shall be presented in a useable format.	1	3.4
SPT–CA–07 If a cellular forensic tool completes acquisition of the target device without error then address book entries shall be presented in a useable format.	1	
SPT–CA–08 If a cellular forensic tool completes acquisition of the target device without error then maximum length address book entries shall be presented in a useable format.	1	
SPT–CA–09 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing special	1	

Assertions Tested	Tests	Anomaly
characters shall be presented in a useable format.		
SPT–CA–10 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing blank names shall be presented in a useable format.	1	
SPT–CA–11 If a cellular forensic tool completes acquisition of the target device without error then email addresses associated with address book entries shall be presented in a useable format.	1	
SPT–CA–12 If a cellular forensic tool completes acquisition of the target device without error then graphics associated with address book entries shall be presented in a useable format.	1	3.5
SPT–CA–13 If a cellular forensic tool completes acquisition of the target device without error then datebook, calendar, note entries shall be presented in a useable format.	1	
SPT–CA–14 If a cellular forensic tool completes acquisition of the target device without error then maximum length datebook, calendar, note entries shall be presented in a useable format.	1	
SPT–CA–15 If a cellular forensic tool completes acquisition of the target device without error then call logs (incoming/outgoing/missed) shall be presented in a useable format.	1	
SPT–CA–16 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.	1	
SPT–CA–17 If a cellular forensic tool completes acquisition of the target device without error then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format.	1	
SPT–CA–18 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps for text messages shall be presented in a useable format.	1	
SPT–CA–19 If a cellular forensic tool completes acquisition of the target device without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.	1	
SPT–CA–20 If a cellular forensic tool completes acquisition of the target device without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.	1	
SPT–CA–21 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated audio shall be presented in a useable format.	1	3.8
SPT–CA–22 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated graphic files shall be presented in a useable format.	1	3.8
SPT–CA–23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated video shall be presented in a useable format.	1	3.8
SPT–CA–24 If a cellular forensic tool completes acquisition of the	1	3.9

Assertions Tested	Tests	Anomaly
target device without error then stand–alone audio files shall be presented in a useable format via either an internal application or suggested third–party application.		
SPT–CA–25 If a cellular forensic tool completes acquisition of the target device without error then stand–alone graphic files shall be presented in a useable format via either an internal application or suggested third–party application.	1	3.9
SPT–CA–26 If a cellular forensic tool completes acquisition of the target device without error then stand–alone video files shall be presented in a useable format via either an internal application or suggested third–party application.	1	3.9
SPT–CA–27 If a cellular forensic tool completes acquisition of the target device without error then device specific application related data shall be acquired and presented in a useable format via either an internal application or suggested third–party application.	1	3.10
SPT–CA–28 If a cellular forensic tool completes acquisition of the target device without error then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.	1	3.11
SPT–CA–29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error.	2	
SPT–CA–30 If a cellular forensic tool provides the user with a "Select All" individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error.	2	
SPT–CA–31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object without error.	2	
SPT–CA–32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.	1	
SPT–AO–25 If a cellular forensic tool completes acquisition without error then the tool shall present the acquired data in a useable format via supported generated report formats.	1	
SPT–AO–26 If a cellular forensic tool completes acquisition without error then the tool shall present the acquired data in a useable format in a preview–pane view.	1	
SPT–AO–27 If the case file or individual data objects are modified via third–party means then the tool shall provide protection mechanisms disallowing or reporting data modification.	1	
SPT–AO–40 If the cellular forensic tool supports display of non–ASCII characters then the application should present address book entries in their native format.	1	
SPT–AO–41 If the cellular forensic tool supports proper display of non–ASCII characters then the application should present text messages in	1	3.15

Assertions Tested	Tests	Anomaly
their native format.		
SPT–AO–43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.	1	3.15

Table 3f: Assertions Tested: (Palm pixi)

Assertions Tested	Tests	Anomaly
SPT–CA–01 If a cellular forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).	1	
SPT–CA–02 If a cellular forensic tool attempts to connect to a non–supported device then the tool shall notify the user that the device is not supported.	1	
SPT–CA–03 If connectivity between the mobile device and cellular forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted.	1	
SPT–CA–04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview–pane or generated report.	2	
SPT–CA–05 If a cellular forensic tool completes acquisition of the target device without error then subscriber–related information shall be presented in a useable format.	1	3.4
SPT–CA–06 If a cellular forensic tool completes acquisition of the target device without error then equipment related information shall be presented in a useable format.	1	3.4
SPT–CA–07 If a cellular forensic tool completes acquisition of the target device without error then address book entries shall be presented in a useable format.	1	
SPT–CA–08 If a cellular forensic tool completes acquisition of the target device without error then maximum length address book entries shall be presented in a useable format.	1	
SPT–CA–09 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing special characters shall be presented in a useable format.	1	
SPT–CA–10 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing blank names shall be presented in a useable format.	1	
SPT–CA–11 If a cellular forensic tool completes acquisition of the target device without error then email addresses associated with address book entries shall be presented in a useable format.	1	
SPT–CA–12 If a cellular forensic tool completes acquisition of the target device without error then graphics associated with address book entries shall be presented in a useable format.	1	3.5
SPT–CA–13 If a cellular forensic tool completes acquisition of the	1	

Assertions Tested	Tests	Anomaly
target device without error then datebook, calendar, note entries shall be presented in a useable format.		
SPT–CA–14 If a cellular forensic tool completes acquisition of the target device without error then maximum length datebook, calendar, note entries shall be presented in a useable format.	1	
SPT–CA–15 If a cellular forensic tool completes acquisition of the target device without error then call logs (incoming/outgoing/missed) shall be presented in a useable format.	1	
SPT–CA–16 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.	1	3.6
SPT–CA–17 If a cellular forensic tool completes acquisition of the target device without error then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format.	1	
SPT–CA–18 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps for text messages shall be presented in a useable format.	1	
SPT–CA–19 If a cellular forensic tool completes acquisition of the target device without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.	1	
SPT–CA–20 If a cellular forensic tool completes acquisition of the target device without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.	1	
SPT–CA–21 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated audio shall be presented in a useable format.	1	3.8
SPT–CA–22 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated graphic files shall be presented in a useable format.	1	3.8
SPT–CA–23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated video shall be presented in a useable format.	1	3.8
SPT–CA–24 If a cellular forensic tool completes acquisition of the target device without error then stand–alone audio files shall be presented in a useable format via either an internal application or suggested third–party application.	1	
SPT–CA–25 If a cellular forensic tool completes acquisition of the target device without error then stand–alone graphic files shall be presented in a useable format via either an internal application or suggested third–party application.	1	
SPT–CA–26 If a cellular forensic tool completes acquisition of the target device without error then stand–alone video files shall be presented in a useable format via either an internal application or suggested third–party application.	1	

Assertions Tested	Tests	Anomaly
SPT–CA–27 If a cellular forensic tool completes acquisition of the target device without error then device specific application related data shall be acquired and presented in a useable format via either an internal application or suggested third–party application.	1	3.10
SPT–CA–28 If a cellular forensic tool completes acquisition of the target device without error then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.	1	
SPT–CA–30 If a cellular forensic tool provides the user with a "Select All" individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error.	2	
SPT–CA–32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.	1	
SPT–AO–25 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format via supported generated report formats.	1	
SPT–AO–26 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format in a preview–pane view.	1	
SPT–AO–27 If the case file or individual data objects are modified via third–party means then the tool shall provide protection mechanisms disallowing or reporting data modification.	1	
SPT–AO–40 If the cellular forensic tool supports display of non–ASCII characters then the application should present address book entries in their native format.	1	
SPT–AO–41 If the cellular forensic tool supports proper display of non–ASCII characters then the application should present text messages in their native format.	1	
SPT–AO–43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.	1	

Table 4a–4f lists the assertions that were not tested, usually due to the tool not supporting an optional feature.

Table 4a: Assertions Not Tested (iPhone 3Gs)

Assertions Not Tested
SPT–CA–30 If a cellular forensic tool provides the user with a "Select All" individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error.
SPT–CA–31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object without error.

Assertions Not Tested
SPT–AO–23 If a cellular forensic tool provides the user with an "Select All" individual SIM data objects then the tool shall complete the acquisition of all individually selected data objects without error.
SPT–AO–24 If a cellular forensic tool provides the user with the ability to "Select Individual" SIM data objects for acquisition then the tool shall acquire each exclusive data object without error.
SPT–AO–29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts then the application should provide an accurate count of the remaining PIN attempts.
SPT–AO–30 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts then the application should provide an accurate count of the remaining PUK attempts.
SPT–AO–31 If the cellular forensic tool supports a physical acquisition of the target device then the tool shall complete the acquisition without error.
SPT–AO–32 If the cellular forensic tool supports the interpretation of address book entries present on the target device then the tool shall report recoverable active and deleted data or address book data remnants in a useable format.
SPT–AO–33 If the cellular forensic tool supports the interpretation of calendar, tasks, or notes present on the target device then the tool shall report recoverable active and deleted calendar, tasks, or note data remnants in a useable format.
SPT–AO–34 If the cellular forensic tool supports the interpretation of call logs present on the target device then the tool shall report recoverable active and deleted call or call log data remnants in a useable format.
SPT–AO–35 If the cellular forensic tool supports the interpretation of SMS messages present on the target device then the tool shall report recoverable active and deleted SMS messages or SMS message data remnants in a useable format.
SPT–AO–36 If the cellular forensic tool supports the interpretation of EMS messages present on the target device then the tool shall report recoverable active and deleted EMS messages or EMS message data remnants in a useable format.
SPT–AO–37 If the cellular forensic tool supports the interpretation of audio files present on the target device then the tool shall report recoverable active and deleted audio data or audio file data remnants in a useable format.
SPT–AO–38 If the cellular forensic tool supports the interpretation of graphic files present on the target device then the tool shall report recoverable active and deleted graphic file data or graphic file data remnants in a useable format.
SPT–AO–39 If the cellular forensic tool supports the interpretation of video files present on the target device then the tool shall report recoverable active and deleted video file data or video file data remnants in a useable format.
SPT–AO–42 If the cellular forensic tool supports stand–alone acquisition of internal memory with the SIM present, then the contents of the SIM shall not be modified during internal memory acquisition.

Table 4b: Assertions Not Tested (Blackberry Bold 9700)

Assertions Not Tested

Assertions Not Tested
SPT–CA–30 If a cellular forensic tool provides the user with a "Select All" individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error.
SPT–CA–31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object without error.
SPT–AO–23 If a cellular forensic tool provides the user with an "Select All" individual SIM data objects then the tool shall complete the acquisition of all individually selected data objects without error.
SPT–AO–24 If a cellular forensic tool provides the user with the ability to "Select Individual" SIM data objects for acquisition then the tool shall acquire each exclusive data object without error.
SPT–AO–29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts then the application should provide an accurate count of the remaining PIN attempts.
SPT–AO–30 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts then the application should provide an accurate count of the remaining PUK attempts.
SPT–AO–31 If the cellular forensic tool supports a physical acquisition of the target device then the tool shall complete the acquisition without error.
SPT–AO–32 If the cellular forensic tool supports the interpretation of address book entries present on the target device then the tool shall report recoverable active and deleted data or address book data remnants in a useable format.
SPT–AO–33 If the cellular forensic tool supports the interpretation of calendar, tasks, or notes present on the target device then the tool shall report recoverable active and deleted calendar, tasks, or note data remnants in a useable format.
SPT–AO–34 If the cellular forensic tool supports the interpretation of call logs present on the target device then the tool shall report recoverable active and deleted call or call log data remnants in a useable format.
SPT–AO–35 If the cellular forensic tool supports the interpretation of SMS messages present on the target device then the tool shall report recoverable active and deleted SMS messages or SMS message data remnants in a useable format.
SPT–AO–36 If the cellular forensic tool supports the interpretation of EMS messages present on the target device then the tool shall report recoverable active and deleted EMS messages or EMS message data remnants in a useable format.
SPT–AO–37 If the cellular forensic tool supports the interpretation of audio files present on the target device then the tool shall report recoverable active and deleted audio data or audio file data remnants in a useable format.
SPT–AO–38 If the cellular forensic tool supports the interpretation of graphic files present on the target device then the tool shall report recoverable active and deleted graphic file data or graphic file data remnants in a useable format.
SPT–AO–39 If the cellular forensic tool supports the interpretation of video files present on the target device then the tool shall report recoverable active and deleted video file data or video file data remnants in a useable format.
SPT–AO–42 If the cellular forensic tool supports stand–alone acquisition of internal

Assertions Not Tested
memory with the SIM present, then the contents of the SIM shall not be modified during internal memory acquisition.
SPT–AO–44 If the cellular forensic tool supports acquisition of GPS data then the tool shall present the user with the longitude and latitude coordinates for all GPS–related data in a useable format.

Table 4c: Assertions Not Tested (Nokia 6790)

Assertions Not Tested
SPT–CA–02 If a cellular forensic tool attempts to connect to a non–supported device then the tool shall notify the user that the device is not supported.
SPT–CA–03 If connectivity between the mobile device and cellular forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted.
SPT–CA–05 If a cellular forensic tool completes acquisition of the target device without error then subscriber–related information shall be presented in a useable format.
SPT–CA–06 If a cellular forensic tool completes acquisition of the target device without error then equipment related information shall be presented in a useable format.
SPT–CA–07 If a cellular forensic tool completes acquisition of the target device without error then address book entries shall be presented in a useable format.
SPT–CA–08 If a cellular forensic tool completes acquisition of the target device without error then maximum length address book entries shall be presented in a useable format.
SPT–CA–09 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing special characters shall be presented in a useable format.
SPT–CA–10 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing blank names shall be presented in a useable format.
SPT–CA–11 If a cellular forensic tool completes acquisition of the target device without error then email addresses associated with address book entries shall be presented in a useable format.
SPT–CA–12 If a cellular forensic tool completes acquisition of the target device without error then graphics associated with address book entries shall be presented in a useable format.
SPT–CA–13 If a cellular forensic tool completes acquisition of the target device without error then datebook, calendar, note entries shall be presented in a useable format.
SPT–CA–14 If a cellular forensic tool completes acquisition of the target device without error then maximum length datebook, calendar, note entries shall be presented in a useable format.
SPT–CA–15 If a cellular forensic tool completes acquisition of the target device without error then call logs (incoming/outgoing/missed) shall be presented in a useable format.
SPT–CA–16 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.
SPT–CA–17 If a cellular forensic tool completes acquisition of the target device without error then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format.

Assertions Not Tested
SPT–CA–18 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps for text messages shall be presented in a useable format.
SPT–CA–19 If a cellular forensic tool completes acquisition of the target device without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.
SPT–CA–20 If a cellular forensic tool completes acquisition of the target device without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
SPT–CA–21 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated audio shall be presented in a useable format.
SPT–CA–22 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated graphic files shall be presented in a useable format.
SPT–CA–23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated video shall be presented in a useable format.
SPT–CA–24 If a cellular forensic tool completes acquisition of the target device without error then stand–alone audio files shall be presented in a useable format via either an internal application or suggested third–party application.
SPT–CA–25 If a cellular forensic tool completes acquisition of the target device without error then stand–alone graphic files shall be presented in a useable format via either an internal application or suggested third–party application.
SPT–CA–26 If a cellular forensic tool completes acquisition of the target device without error then stand–alone video files shall be presented in a useable format via either an internal application or suggested third–party application.
SPT–CA–27 If a cellular forensic tool completes acquisition of the target device without error then device specific application related data shall be acquired and presented in a useable format via either an internal application or suggested third–party application.
SPT–CA–28 If a cellular forensic tool completes acquisition of the target device without error then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.
SPT–AO–23 If a cellular forensic tool provides the user with an "Select All" individual SIM data objects then the tool shall complete the acquisition of all individually selected data objects without error.
SPT–AO–24 If a cellular forensic tool provides the user with the ability to "Select Individual" SIM data objects for acquisition then the tool shall acquire each exclusive data object without error.
SPT–AO–29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts then the application should provide an accurate count of the remaining PIN attempts.
SPT–AO–30 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts then the application should provide an accurate count of the remaining PUK attempts.
SPT–AO–31 If the cellular forensic tool supports a physical acquisition of the target device then the tool shall complete the acquisition without error.

Assertions Not Tested
SPT–AO–32 If the cellular forensic tool supports the interpretation of address book entries present on the target device then the tool shall report recoverable active and deleted data or address book data remnants in a useable format.
SPT–AO–33 If the cellular forensic tool supports the interpretation of calendar, tasks, or notes present on the target device then the tool shall report recoverable active and deleted calendar, tasks, or note data remnants in a useable format.
SPT–AO–34 If the cellular forensic tool supports the interpretation of call logs present on the target device then the tool shall report recoverable active and deleted call or call log data remnants in a useable format.
SPT–AO–35 If the cellular forensic tool supports the interpretation of SMS messages present on the target device then the tool shall report recoverable active and deleted SMS messages or SMS message data remnants in a useable format.
SPT–AO–36 If the cellular forensic tool supports the interpretation of EMS messages present on the target device then the tool shall report recoverable active and deleted EMS messages or EMS message data remnants in a useable format.
SPT–AO–37 If the cellular forensic tool supports the interpretation of audio files present on the target device then the tool shall report recoverable active and deleted audio data or audio file data remnants in a useable format.
SPT–AO–38 If the cellular forensic tool supports the interpretation of graphic files present on the target device then the tool shall report recoverable active and deleted graphic file data or graphic file data remnants in a useable format.
SPT–AO–39 If the cellular forensic tool supports the interpretation of video files present on the target device then the tool shall report recoverable active and deleted video file data or video file data remnants in a useable format.
SPT–AO–42 If the cellular forensic tool supports stand–alone acquisition of internal memory with the SIM present, then the contents of the SIM shall not be modified during internal memory acquisition.
SPT–AO–44 If the cellular forensic tool supports acquisition of GPS data then the tool shall present the user with the longitude and latitude coordinates for all GPS–related data in a useable format.

Table 4d: Assertions Not Tested (HTC Touch Pro 2)

Assertions Not Tested
SPT–AO–01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool–supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).
SPT–AO–02 If a cellular forensic tool attempts to connect to a non–supported SIM then the tool shall notify the user that the SIM is not supported.
SPT–AO–03 If a cellular forensic tool loses connectivity with the SIM reader then the tool shall notify the user that connectivity has been disrupted.
SPT–AO–04 If a cellular forensic tool completes acquisition of the target SIM without error then the SPN shall be presented in a useable format.
SPT–AO–05 If a cellular forensic tool completes acquisition of the target SIM without error then the ICCID shall be presented in a useable format.
SPT–AO–06 If a cellular forensic tool completes acquisition of the target SIM without

Assertions Not Tested
error then the IMSI shall be presented in a useable format.
SPT–AO–07 If a cellular forensic tool completes acquisition of the target SIM without error then the MSISDN shall be presented in a useable format.
SPT–AO–08 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format.
SPT–AO–09 If a cellular forensic tool completes acquisition of the target SIM without error then maximum length ADNs shall be presented in a useable format.
SPT–AO–10 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing special characters shall be presented in a useable format.
SPT–AO–11 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing blank names shall be presented in a useable format.
SPT–AO–12 If a cellular forensic tool completes acquisition of the target SIM without error then Last Numbers Dialed (LND) shall be presented in a useable format.
SPT–AO–13 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.
SPT–AO–14 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII SMS text messages shall be presented in a useable format.
SPT–AO–15 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII EMS text messages shall be presented in a useable format.
SPT–AO–16 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for all text messages shall be presented in a useable format.
SPT–AO–17 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.
SPT–AO–18 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
SPT–AO–19 If the cellular forensic tool completes acquisition of the target SIM without error then deleted text messages that have not been overwritten shall be presented in a useable format.
SPT–AO–20 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., LOCI) shall be presented in a useable format.
SPT–AO–21 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., GRPSLOCI) shall be presented in a useable format.
SPT–AO–22 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects acquisition option then the tool shall complete the acquisition of all data objects without error.
SPT–AO–23 If a cellular forensic tool provides the user with a "Select All" individual SIM data objects then the tool shall complete the acquisition of all individually selected data objects without error.
SPT–AO–24 If a cellular forensic tool provides the user with the ability to "Select Individual" SIM data objects for acquisition then the tool shall acquire each exclusive

Assertions Not Tested
data object without error.
SPT–AO–28 If the SIM is password–protected then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.
SPT–AO–29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts then the application should provide an accurate count of the remaining PIN attempts.
SPT–AO–30 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts then the application should provide an accurate count of the remaining PUK attempts.
SPT–AO–32 If the cellular forensic tool supports the interpretation of address book entries present on the target device then the tool shall report recoverable active and deleted data or address book data remnants in a useable format.
SPT–AO–33 If the cellular forensic tool supports the interpretation of calendar, tasks, or notes present on the target device then the tool shall report recoverable active and deleted calendar, tasks, or note data remnants in a useable format.
SPT–AO–34 If the cellular forensic tool supports the interpretation of call logs present on the target device then the tool shall report recoverable active and deleted call or call log data remnants in a useable format.
SPT–AO–35 If the cellular forensic tool supports the interpretation of SMS messages present on the target device then the tool shall report recoverable active and deleted SMS messages or SMS message data remnants in a useable format.
SPT–AO–36 If the cellular forensic tool supports the interpretation of EMS messages present on the target device then the tool shall report recoverable active and deleted EMS messages or EMS message data remnants in a useable format.
SPT–AO–37 If the cellular forensic tool supports the interpretation of audio files present on the target device then the tool shall report recoverable active and deleted audio data or audio file data remnants in a useable format.
SPT–AO–38 If the cellular forensic tool supports the interpretation of graphic files present on the target device then the tool shall report recoverable active and deleted graphic file data or graphic file data remnants in a useable format.
SPT–AO–39 If the cellular forensic tool supports the interpretation of video files present on the target device then the tool shall report recoverable active and deleted video file data or video file data remnants in a useable format.
SPT–AO–42 If the cellular forensic tool supports stand–alone acquisition of internal memory with the SIM present, then the contents of the SIM shall not be modified during internal memory acquisition.
SPT–AO–44 If the cellular forensic tool supports acquisition of GPS data then the tool shall present the user with the longitude and latitude coordinates for all GPS–related data in a useable format.

Table 4e: Assertions Not Tested (Blackberry 9630)

Assertions Not Tested
SPT–AO–01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool–supported interfaces

Assertions Not Tested
(e.g., PC/SC reader, proprietary reader, smart phone itself).
SPT–AO–02 If a cellular forensic tool attempts to connect to a non–supported SIM then the tool shall notify the user that the SIM is not supported.
SPT–AO–03 If a cellular forensic tool loses connectivity with the SIM reader then the tool shall notify the user that connectivity has been disrupted.
SPT–AO–04 If a cellular forensic tool completes acquisition of the target SIM without error then the SPN shall be presented in a useable format.
SPT–AO–05 If a cellular forensic tool completes acquisition of the target SIM without error then the ICCID shall be presented in a useable format.
SPT–AO–06 If a cellular forensic tool completes acquisition of the target SIM without error then the IMSI shall be presented in a useable format.
SPT–AO–07 If a cellular forensic tool completes acquisition of the target SIM without error then the MSISDN shall be presented in a useable format.
SPT–AO–08 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format.
SPT–AO–09 If a cellular forensic tool completes acquisition of the target SIM without error then maximum length ADNs shall be presented in a useable format.
SPT–AO–10 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing special characters shall be presented in a useable format.
SPT–AO–11 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing blank names shall be presented in a useable format.
SPT–AO–12 If a cellular forensic tool completes acquisition of the target SIM without error then Last Numbers Dialed (LND) shall be presented in a useable format.
SPT–AO–13 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.
SPT–AO–14 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII SMS text messages shall be presented in a useable format.
SPT–AO–15 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII EMS text messages shall be presented in a useable format.
SPT–AO–16 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for all text messages shall be presented in a useable format.
SPT–AO–17 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.
SPT–AO–18 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
SPT–AO–19 If the cellular forensic tool completes acquisition of the target SIM without error then deleted text messages that have not been overwritten shall be presented in a useable format.
SPT–AO–20 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., LOCI) shall be presented in a useable format.

Assertions Not Tested
SPT–AO–21 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., GRPSLOCI) shall be presented in a useable format.
SPT–AO–22 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects acquisition option then the tool shall complete the acquisition of all data objects without error.
SPT–AO–23 If a cellular forensic tool provides the user with a "Select All" individual SIM data objects then the tool shall complete the acquisition of all individually selected data objects without error.
SPT–AO–24 If a cellular forensic tool provides the user with the ability to "Select Individual" SIM data objects for acquisition then the tool shall acquire each exclusive data object without error.
SPT–AO–28 If the SIM is password–protected then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.
SPT–AO–29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts then the application should provide an accurate count of the remaining PIN attempts.
SPT–AO–30 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts then the application should provide an accurate count of the remaining PUK attempts.
SPT–AO–31 If the cellular forensic tool supports a physical acquisition of the target device then the tool shall complete the acquisition without error.
SPT–AO–32 If the cellular forensic tool supports the interpretation of address book entries present on the target device then the tool shall report recoverable active and deleted data or address book data remnants in a useable format.
SPT–AO–33 If the cellular forensic tool supports the interpretation of calendar, tasks, or notes present on the target device then the tool shall report recoverable active and deleted calendar, tasks, or note data remnants in a useable format.
SPT–AO–34 If the cellular forensic tool supports the interpretation of call logs present on the target device then the tool shall report recoverable active and deleted call or call log data remnants in a useable format.
SPT–AO–35 If the cellular forensic tool supports the interpretation of SMS messages present on the target device then the tool shall report recoverable active and deleted SMS messages or SMS message data remnants in a useable format.
SPT–AO–36 If the cellular forensic tool supports the interpretation of EMS messages present on the target device then the tool shall report recoverable active and deleted EMS messages or EMS message data remnants in a useable format.
SPT–AO–37 If the cellular forensic tool supports the interpretation of audio files present on the target device then the tool shall report recoverable active and deleted audio data or audio file data remnants in a useable format.
SPT–AO–38 If the cellular forensic tool supports the interpretation of graphic files present on the target device then the tool shall report recoverable active and deleted graphic file data or graphic file data remnants in a useable format.
SPT–AO–39 If the cellular forensic tool supports the interpretation of video files present on the target device then the tool shall report recoverable active and deleted video file data or video file data remnants in a useable format.

Assertions Not Tested
SPT–AO–42 If the cellular forensic tool supports stand–alone acquisition of internal memory with the SIM present, then the contents of the SIM shall not be modified during internal memory acquisition.
SPT–AO–44 If the cellular forensic tool supports acquisition of GPS data then the tool shall present the user with the longitude and latitude coordinates for all GPS–related data in a useable format.

Table 4f: Assertions Not Tested (Palm pixi)

Assertions Not Tested
SPT–CA–29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error.
SPT–CA–31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object without error.
SPT–AO–01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool–supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).
SPT–AO–02 If a cellular forensic tool attempts to connect to a non–supported SIM then the tool shall notify the user that the SIM is not supported.
SPT–AO–03 If a cellular forensic tool loses connectivity with the SIM reader then the tool shall notify the user that connectivity has been disrupted.
SPT–AO–04 If a cellular forensic tool completes acquisition of the target SIM without error then the SPN shall be presented in a useable format.
SPT–AO–05 If a cellular forensic tool completes acquisition of the target SIM without error then the ICCID shall be presented in a useable format.
SPT–AO–06 If a cellular forensic tool completes acquisition of the target SIM without error then the IMSI shall be presented in a useable format.
SPT–AO–07 If a cellular forensic tool completes acquisition of the target SIM without error then the MSISDN shall be presented in a useable format.
SPT–AO–08 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format.
SPT–AO–09 If a cellular forensic tool completes acquisition of the target SIM without error then maximum length ADNs shall be presented in a useable format.
SPT–AO–10 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing special characters shall be presented in a useable format.
SPT–AO–11 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing blank names shall be presented in a useable format.
SPT–AO–12 If a cellular forensic tool completes acquisition of the target SIM without error then Last Numbers Dialed (LND) shall be presented in a useable format.
SPT–AO–13 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.

Assertions Not Tested
SPT–AO–14 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII SMS text messages shall be presented in a useable format.
SPT–AO–15 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII EMS text messages shall be presented in a useable format.
SPT–AO–16 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for all text messages shall be presented in a useable format.
SPT–AO–17 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.
SPT–AO–18 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
SPT–AO–19 If the cellular forensic tool completes acquisition of the target SIM without error then deleted text messages that have not been overwritten shall be presented in a useable format.
SPT–AO–20 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., LOCI) shall be presented in a useable format.
SPT–AO–21 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., GRPSLOCI) shall be presented in a useable format.
SPT–AO–22 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects acquisition option then the tool shall complete the acquisition of all data objects without error.
SPT–AO–23 If a cellular forensic tool provides the user with a "Select All" individual SIM data objects then the tool shall complete the acquisition of all individually selected data objects without error.
SPT–AO–24 If a cellular forensic tool provides the user with the ability to "Select Individual" SIM data objects for acquisition then the tool shall acquire each exclusive data object without error.
SPT–AO–28 If the SIM is password–protected then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.
SPT–AO–29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts then the application should provide an accurate count of the remaining PIN attempts.
SPT–AO–30 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts then the application should provide an accurate count of the remaining PUK attempts.
SPT–AO–31 If the cellular forensic tool supports a physical acquisition of the target device then the tool shall complete the acquisition without error.
SPT–AO–32 If the cellular forensic tool supports the interpretation of address book entries present on the target device then the tool shall report recoverable active and deleted data or address book data remnants in a useable format.
SPT–AO–33 If the cellular forensic tool supports the interpretation of calendar, tasks, or notes present on the target device then the tool shall report recoverable active and deleted calendar, tasks, or note data remnants in a useable format.

Assertions Not Tested
SPT–AO–34 If the cellular forensic tool supports the interpretation of call logs present on the target device then the tool shall report recoverable active and deleted call or call log data remnants in a useable format.
SPT–AO–35 If the cellular forensic tool supports the interpretation of SMS messages present on the target device then the tool shall report recoverable active and deleted SMS messages or SMS message data remnants in a useable format.
SPT–AO–36 If the cellular forensic tool supports the interpretation of EMS messages present on the target device then the tool shall report recoverable active and deleted EMS messages or EMS message data remnants in a useable format.
SPT–AO–37 If the cellular forensic tool supports the interpretation of audio files present on the target device then the tool shall report recoverable active and deleted audio data or audio file data remnants in a useable format.
SPT–AO–38 If the cellular forensic tool supports the interpretation of graphic files present on the target device then the tool shall report recoverable active and deleted graphic file data or graphic file data remnants in a useable format.
SPT–AO–39 If the cellular forensic tool supports the interpretation of video files present on the target device then the tool shall report recoverable active and deleted video file data or video file data remnants in a useable format.
SPT–AO–42 If the cellular forensic tool supports stand–alone acquisition of internal memory with the SIM present, then the contents of the SIM shall not be modified during internal memory acquisition.
SPT–AO–44 If the cellular forensic tool supports acquisition of GPS data then the tool shall present the user with the longitude and latitude coordinates for all GPS–related data in a useable format.

The following sections provide detailed information for the anomalies specified in Tables 3a – 3f.

3.1 Device connectivity

Connectivity to the Nokia 6790 by the supported cable interface was not successful for test case SPT–01. The following message was displayed: "Acquisition process has failed. Status: Failed, Action: Connecting..., Result: Connection error, Advice: Try to reacquire the device. If the error persists, please submit log to the Paraben support team."

3.2 Acquisition disruption

Notification of device acquisition disruption was not successful for test case SPT–03 for the iPhone 3Gs, Blackberry Bold 9700 and the Blackberry 9630. The acquisition was disrupted by removing the cable from the mobile device during acquisition.

3.3 Data acquisition review

For test case SPT–04, data acquired from the HTC Touch Pro 2 was not viewable in the preview–pane. When acquiring memory image and file system data the reported data is only viewable through Paraben's sorter tab. No data is displayed in the case tab. When attempting to save the case file the following error occurs: "Error, Unknown error."

3.4 Acquisition of subscriber related information

Subscriber related data (MSISDN, IMEI, ESN) was not reported for test case SPT–05 for the following devices: Blackberry 9630, and the Palm pixi.

3.5 Acquisition of PIM related data

For test case SPT–06, graphics files associated with address book entries were not reported for the following devices: iPhone 3Gs, Blackberry Bold 9700, HTC Touch Pro 2, Blackberry 9630 and the Palm pixi.

3.6 Acquisition of call log data / time stamp data

Call duration data (i.e., seconds, minutes, hours) was not reported on test case SPT–07 for the iPhone 3Gs and the Palm pixi.

3.7 Acquisition of text message data

Text messages (i.e., SMS, EMS) were not acquired on test case SPT–08 for the HTC Touch Pro 2.

3.8 Acquisition of MMS related data

For test case SPT–09, MMS messages or associated attachments (i.e., graphic, audio or video files) were not acquired from the HTC Touch Pro 2. Files associated with MMS messages were not acquired on test case SPT–09 for the Blackberry Bold 9700, Blackberry 9630 or the Palm pixi.

3.9 Acquisition of stand–alone data files

Acquisition of stand–alone data files (i.e., graphic, audio, or video files) on test case SPT–10 was not successful for the following devices: Blackberry Bold 9700, HTC Touch Pro 2, and the Blackberry 9630.

3.10 Acquisition of application related data

For test case SPT–11, acquisition of application related data was not successful for the following devices; iPhone 3Gs, Blackberry Bold 9700, Blackberry 9630 and the Palm pixi.

3.11 Acquisition of Internet related data

Internet related data was not acquired for test case SPT–12 for the Blackberry 9630.

3.12 Report generation

When attempting to generate the report on test case SPT–24 for the HTC Touch Pro 2 the following error occurred: "Reporting error: Object reference not set to an instance of an object."

3.13 Acquisition of password protected SIM

For test case SPT–28 acquisition of AT&T password–protected SIMs contained in iPhone 3Gs, Blackberry Bold 9700, and the Nokia 6790 was unsuccessful. The ability to

enter the PIN before acquisition was not available. The dialog box does not allow the user to proceed with the acquisition of SIM data after inputting the PIN. The "Next" button is not available for selection.

3.14 Physical acquisition

The data acquired from the HTC Touch Pro 2 using the physical acquisition plug–in was not decoded for test case SPT–31.

3.15 Acquisition of non–ASCII data

For test case SPT–33, address book entries and text messages containing non–ASCII characters were not reported in their native format for the Blackberry 9630. The non–ASCII data was reported as '? ? ? ?'.

4 Testing Environment

The tests were run in the NIST CFTT lab. This section describes the test computers available for testing.

4.1 Test Computers

One test computer was used.

Morrisy has the following configuration:

Intel® D975XBX2 Motherboard
BIOS Version BX97520J.86A.2674.2007.0315.1546
Intel® Core™2 Duo CPU 6700 @ 2.66Ghz
3.25 GB RAM
1.44 MB floppy drive
LITE–ON CD H LH52N1P
LITE–ON DVDRW LH–20A1P
2 slots for removable SATA hard disk drive
8 USB 2.0 slots
2 IEEE 1394 ports
3 IEEE 1394 ports (mini)

4.2 Mobile Devices

The following table contains the mobile devices used.

Make	Model	OS	Network
Apple iPhone	3Gs	iPhone	AT&T
Blackberry	Bold 9700	Blackberry	AT&T
Nokia	6790	Symbian	AT&T
HTC	Touch Pro 2	Windows Mobile 6.1	Sprint
Blackberry	Tour 9630	Blackberry	Sprint

Make	Model	OS	Network
Samsung	Moment	Android	Sprint
Palm	pixi	Palm OS	Sprint

4.3 Internal Memory Data Objects

The following data objects were used to populate the internal memory of the smart phones.

Data Objects	Data Elements
Address Book Entries	
	Regular Length
	Maximum Length
	Special Character
	Blank Name
	Regular Length, email
	Regular Length, graphic
	Deleted Entry
	Non–ASCII Entry
PIM Data	
	Regular Length
	Maximum Length
	Deleted Entry
	Special Character
Call Logs	
	Incoming
	Outgoing
	Missed
	Incoming – Deleted
	Outgoing – Deleted
	Missed – Deleted
Text Messages	
	Incoming SMS – Read
	Incoming SMS – Unread
	Outgoing SMS
	Incoming EMS – Read
	Incoming EMS – Unread
	Outgoing EMS
	Incoming SMS – Deleted
	Outgoing SMS – Deleted
	Incoming EMS – Deleted
	Outgoing EMS – Deleted
	Non–ASCII EMS
MMS Messages	
	Incoming Audio

Data Objects	Data Elements
	Incoming Graphic
	Incoming Video
	Outgoing Audio
	Outgoing Graphic
	Outgoing Video
Stand–alone data files	
	Audio
	Graphic
	Video
	Audio – Deleted
	Graphic – Deleted
	Video – Deleted
Application Data	
	Device Specific App Data
Location Data	
	GPS Coordinates

4.4 Subscriber Identity Module Data Objects

The following data objects were used to populate the Subscriber Identity Modules.

Data Objects	Data Elements
Abbreviated Dialing Numbers (ADN)	
	Maximum Length
	Special Character
	Blank Name
	Non–ASCII Entry
	Regular Length – Deleted Number
Call Logs	
	Last Numbers Dialed (LND)
Text Messages	
	Incoming SMS – Read
	Incoming SMS – Unread
	Non–ASCII SMS
	Incoming SMS – Deleted
	Non–ASCII EMS
	Incoming EMS – Deleted

5 Test Results

The main item of interest for interpreting the test results is determining the conformance of the device with the test assertions. Conformance with each assertion tested by a given test case is evaluated by examining the **Results** box of the test case details.

5.1 Test Results Report Key

A summary of the actual test results is presented in this report. The following table presents a description of each section of the test report summary.

Table 5 Test Results Report Key

Heading	Description
First Line:	Test case ID, name, and version of tool tested.
Case Summary:	Test case summary from *Smart Phone Tool Test Assertion and Test Plan.*
Assertions:	The test assertions applicable to the test case, selected from *Smart Phone Tool Test Assertion and Test Plan.*
Tester Name:	Name or initials of person executing test procedure.
Test Host:	Host computer executing the test.
Test Date:	Time and date that test was started.
Device:	Source mobile device, media (i.e., SIM).
Source Setup:	Acquisition interface.
Log Highlights:	Information extracted from various log files to illustrate conformance or non–conformance to the test assertions.
Results	Expected and actual results for each assertion tested.
Analysis	Whether or not the expected results were achieved.

5.2 Test Details

5.2.1 SPT–01 (iPhone 3Gs)

Test Case SPT-01 Device Seizure 4.0	
Case Summary:	SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview-pane or generated report. SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a "Select All" individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 08:44:09 EDT 2010
Device:	iPhone3Gs
Source Setup:	OS: WIN XP Interface: cable

Test Case SPT-01 Device Seizure 4.0	
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 08:44:09 EDT 2010 Acquisition finished: Mon Jul 19 08:51:43 EDT 2010 Device connectivity was established via supported interface **Notes**: iPhone advanced logical acquisition was selected.
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-01 Device connectivity via supported interfaces.	as expected
SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
SPT-CA-29 Acquire-All data objects acquisition.	as expected
SPT-CA-30 Select-All data objects acquisition.	as expected
SPT-CA-31 Select-Individual data objects acquisition.	as expected
SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.	as expected

Analysis:	Expected results achieved

5.2.2 SPT–02 (iPhone 3Gs)

Test Case SPT-02 Device Seizure 4.0	
Case Summary:	SPT-02 Attempt internal memory acquisition of a non-supported mobile device.
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to connect to a non-supported device then the tool shall notify the user that the device is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 09:00:25 EDT 2010
Device:	unsupported_device
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 09:00:25 EDT 2010 Acquisition finished: Mon Jul 19 09:02:12 EDT 2010 Identification of non-supported devices was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-02 Identification of non-supported devices.	as expected

Analysis:	Expected results achieved

5.2.3 SPT–03 (iPhone 3Gs)

Test Case SPT–03 Device Seizure 4.0	
Case Summary:	SPT–03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 09:02:42 EDT 2010
Device:	iPhone3Gs
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 09:02:42 EDT 2010 Acquisition finished: Mon Jul 19 09:04:12 EDT 2010 Device acquisition disruption notification was not successful
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-03 Notification of device acquisition disruption.	Not as expected

Analysis:	Expected results Not achieved

5.2.4 SPT–04 (iPhone 3Gs)

Test Case SPT-04 Device Seizure 4.0	
Case Summary:	SPT-04 Acquire mobile device internal memory and review reported data via the preview-pane or generated reports for readability.
Assertions:	SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview-pane or generated report.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 09:10:33 EDT 2010
Device:	iPhone3Gs
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 09:10:33 EDT 2010 Acquisition finished: Mon Jul 19 09:18:38 EDT 2010 Readability and completeness of acquired data was successful

Results:		
	Assertion & Expected Result	**Actual Result**
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected

Analysis:	Expected results achieved

5.2.5 SPT–05 (iPhone 3Gs)

Test Case SPT–05 Device Seizure 4.0	
Case Summary:	SPT–05 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).
Assertions:	SPT–CA–05 If a cellular forensic tool completes acquisition of the target device without error then subscriber-related information shall be presented in a useable format. SPT–CA–06 If a cellular forensic tool completes acquisition of the target device without error then equipment related information shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 09:21:30 EDT 2010
Device:	iPhone3Gs
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 09:21:30 EDT 2010 Acquisition finished: Mon Jul 19 09:24:25 EDT 2010 Subscriber and Equipment related data (i.e., MSISDN, IMEI) were acquired
Results:	

Assertion & Expected Result	Actual Result
SPT–CA–05 Acquisition of MSISDN, IMSI.	as expected
SPT–CA–06 Acquisition of IMEI/MEID/ESN.	as expected

Analysis:	Expected results achieved

5.2.6 SPT–06 (iPhone 3Gs)

Test Case SPT-06 Device Seizure 4.0	
Case Summary:	SPT-06 Acquire mobile device internal memory and review reported PIM related data.
Assertions:	SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error then address book entries shall be presented in a useable format. SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error then maximum length address book entries shall be presented in a useable format. SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing special characters shall be presented in a useable format. SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing blank names shall be presented in a useable format. SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error then email addresses associated with address book entries shall be presented in a useable format. SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error then graphics associated with address book entries shall be presented in a useable format. SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error then datebook, calendar, note entries shall be presented in a useable format. SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error then maximum length datebook, calendar, note entries shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 09:39:04 EDT 2010
Device:	iPhone3Gs
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 09:39:04 EDT 2010 Acquisition finished: Mon Jul 19 09:51:51 EDT 2010 Regular Length Address Book entries were acquired Maximum Length Address Book entries were acquired Special Character Address Book entries were acquired Blank Name Address Book entries were acquired Email addresses within Address Book entries were acquired Embedded graphics within Address Book entries were not acquired ALL PIM related data was acquired **Notes**: Graphic files associated with address book entries were acquired but not decoded.

Results:		
	Assertion & Expected Result	**Actual Result**
	SPT-CA-07 Acquisition of address book entries.	as expected
	SPT-CA-08 Acquisition of maximum length address book entries.	as expected
	SPT-CA-09 Acquisition of address book entries containing special characters.	as expected
	SPT-CA-10 Acquisition of address book entries containing a blank name entry.	as expected
	SPT-CA-11 Acquisition of embedded email addresses within address book entries.	as expected
	SPT-CA-12 Acquisition of embedded graphics within address book entries.	partial
	SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	as expected

Test Case SPT-06 Device Seizure 4.0		
	SPT-CA-14 Acquisition of maximum length PIM data.	as expected
Analysis:	Partial results achieved	

5.2.7 SPT–07 (iPhone 3Gs)

Test Case SPT-07 Device Seizure 4.0	
Case Summary:	SPT-07 Acquire mobile device internal memory and review reported call logs.
Assertions:	SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error then call logs (incoming/outgoing/missed) shall be presented in a useable format. SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 09:56:26 EDT 2010
Device:	iPhone3Gs
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 09:56:26 EDT 2010 Acquisition finished: Mon Jul 19 10:02:26 EDT 2010 All Call Logs (incoming, outgoing, missed) were acquired All Call Log date/time stamps data were not correctly reported **Notes**: The duration of the call is not specified if it is seconds, minutes, or hours.
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-15 Acquisition of call logs.	as expected
SPT-CA-16 Acquisition of call log date/time stamps.	partial

Analysis:	Partial results achieved

5.2.8 SPT–08 (iPhone 3Gs)

Test Case SPT–08 Device Seizure 4.0	
Case Summary:	SPT-08 Acquire mobile device internal memory and review reported text messages.
Assertions:	SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format. SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps for text messages shall be presented in a useable format. SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 10:05:00 EDT 2010
Device:	iPhone3Gs
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 10:05:00 EDT 2010 Acquisition finished: Mon Jul 19 10:10:30 EDT 2010 ALL text messages (SMS, EMS) were acquired Correct date/time stamps were reported for all text messages Correct status flags were reported for all text messages Sender and Recipient phone numbers associated with text messages were correctly reported
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-17 Acquisition of text messages.	as expected
SPT-CA-18 Acquisition of text message date/time stamps.	as expected
SPT-CA-19 Acquisition of text message status flags.	as expected
SPT-CA-20 Acquisition of sender/recipient phone number associated with text messages.	as expected

Analysis:	Expected results achieved

5.2.9 SPT–09 (iPhone 3Gs)

Test Case SPT-09 Device Seizure 4.0	
Case Summary:	SPT-09 Acquire mobile device internal memory and review reported MMS multi-media related data (i.e., text, audio, graphics, video).
Assertions:	SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated audio shall be presented in a useable format. SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated graphic files shall be presented in a useable format. SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated video shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 10:25:25 EDT 2010
Device:	iPhone3Gs
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 10:25:25 EDT 2010 Acquisition finished: Mon Jul 19 10:44:00 EDT 2010 ALL MMS messages (Audio, Image, Video) were acquired **Notes**: The MMS embedded objects (i.e., graphics, audio, video) are not associated or linked to the MMS text.

Results:		
	Assertion & Expected Result	**Actual Result**
	SPT-CA-21 Acquisition of audio MMS messages.	as expected
	SPT-CA-22 Acquisition of graphic data image MMS messages.	as expected
	SPT-CA-23 Acquisition of video MMS messages.	as expected

Analysis:	Expected results achieved

5.2.10 SPT–10 (iPhone 3Gs)

Test Case SPT-10 Device Seizure 4.0	
Case Summary:	SPT-10 Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).
Assertions:	SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 10:45:59 EDT 2010
Device:	iPhone3Gs
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 10:45:59 EDT 2010 Acquisition finished: Mon Jul 19 11:02:46 EDT 2010 ALL stand-alone data files (Audio, Image, Video) were acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-24 Acquisition of stand-alone audio files.	as expected
SPT-CA-25 Acquisition of stand-alone graphic files.	as expected
SPT-CA-26 Acquisition of stand-alone video files.	as expected

Analysis:	Expected results achieved

5.2.11 SPT–11 (iPhone 3Gs)

Test Case SPT-11 Device Seizure 4.0	
Case Summary:	SPT–11 Acquire mobile device internal memory and review application related data (i.e., word documents, spreadsheet, presentation documents).
Assertions:	SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error then device specific application related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 11:03:31 EDT 2010
Device:	iPhone3Gs
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 11:03:31 EDT 2010 Acquisition finished: Mon Jul 19 11:20:34 EDT 2010 Application data was not acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-27 Acquisition of application related data.	Not as expected

Analysis:	Expected results Not achieved

5.2.12 SPT–12 (iPhone 3Gs)

Test Case SPT-12 Device Seizure 4.0	
Case Summary:	SPT-12 Acquire mobile device internal memory and review Internet related data (i.e., bookmarks, visited sites.
Assertions:	SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 11:21:12 EDT 2010
Device:	iPhone3Gs
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 11:21:12 EDT 2010 Acquisition finished: Mon Jul 19 11:25:27 EDT 2010 All Internet related data was acquired
Results:	<table><tr><td>**Assertion & Expected Result**</td><td>**Actual Result**</td></tr><tr><td>SPT-CA-28 Acquisition of Internet related data.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.13 SPT–13 (iPhone 3Gs)

Test Case SPT-13 Device Seizure 4.0	
Case Summary:	SPT-13 Acquire mobile device internal memory by selecting a combination of supported data elements.
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 11:25:50 EDT 2010
Device:	iPhone3Gs
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 11:25:50 EDT 2010 Acquisition finished: Mon Jul 19 11:29:37 EDT 2010 Acquire All acquisition was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-29 Acquire-All data objects acquisition.	as expected

Analysis:	Expected results achieved

5.2.14 SPT–14 (iPhone 3Gs)

Test Case SPT-14 Device Seizure 4.0	
Case Summary:	SPT-14 Acquire SIM memory over supported interfaces (e.g., PC/SC reader).
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 11:56:16 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 11:56:16 EDT 2010 Acquisition finished: Mon Jul 19 11:59:52 EDT 2010 Media connectivity was established via supported interface
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-01 SIM connectivity via supported interfaces.	as expected

Analysis:	Expected results achieved

5.2.15 SPT–15 (iPhone 3Gs)

Test Case SPT-15 Device Seizure 4.0	
Case Summary:	SPT-15 Attempt acquisition of a non-supported SIM.
Assertions:	SPT-AO-02 If a cellular forensic tool attempts to connect to a non-supported SIM then the tool shall notify the user that the SIM is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 12:12:53 EDT 2010
Device:	non_supported
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 12:12:53 EDT 2010 Acquisition finished: Mon Jul 19 12:15:47 EDT 2010 Identification of non-supported media was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-02 Identification of non-supported SIMs.	as expected

Analysis:	Expected results achieved

5.2.16 SPT–16 (iPhone 3Gs)

Test Case SPT-16 Device Seizure 4.0	
Case Summary:	SPT–16 Begin SIM acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 12:17:43 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 12:17:43 EDT 2010 Acquisition finished: Mon Jul 19 12:19:00 EDT 2010 Media acquisition disruption notification was successful
Results:	<table><tr><td>**Assertion & Expected Result**</td><td>**Actual Result**</td></tr><tr><td>SPT-AO-03 Notification of SIM acquisition disruption.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.17 SPT–17 (iPhone 3Gs)

Test Case SPT-17 Device Seizure 4.0	
Case Summary:	SPT-17 Acquire SIM memory and review reported subscriber and equipment related information (i.e., SPN, ICCID, IMSI, MSISDN).
Assertions:	SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error then the SPN shall be presented in a useable format. SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error then the ICCID shall be presented in a useable format. SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error then the IMSI shall be presented in a useable format. SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error then the MSISDN shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 12:31:21 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 12:31:21 EDT 2010 Acquisition finished: Mon Jul 19 12:35:07 EDT 2010 All subscriber-related data (i.e., SPN, ICCID, IMSI, MSISDN) was acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-04 Acquisition of SPN.	as expected
SPT-AO-05 Acquisition of ICCID.	as expected
SPT-AO-06 Acquisition of IMSI.	as expected
SPT-AO-07 Acquisition of MSISDN.	as expected

Analysis:	Expected results achieved

5.2.18 SPT–18 (iPhone 3Gs)

Test Case SPT-18 Device Seizure 4.0	
Case Summary:	SPT–18 Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).
Assertions:	SPT–AO-08 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format. SPT–AO-09 If a cellular forensic tool completes acquisition of the target SIM without error then maximum length ADNs shall be presented in a useable format. SPT–AO-10 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing special characters shall be presented in a useable format. SPT–AO-11 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing blank names shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 12:35:33 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 12:35:33 EDT 2010 Acquisition finished: Mon Jul 19 12:50:11 EDT 2010 All ADNs were acquired
Results:	

Assertion & Expected Result	Actual Result
SPT–AO-08 Acquisition of ADNs.	as expected
SPT–AO-09 Acquisition of maximum length ADNs.	as expected
SPT–AO-10 Acquisition of special character ADNs.	as expected
SPT–AO-11 Acquisition of blank name ADNs.	as expected

Analysis:	Expected results achieved

5.2.19 SPT–19 (iPhone 3Gs)

Test Case SPT-19 Device Seizure 4.0	
Case Summary:	SPT-19 Acquire SIM memory and review reported Last Numbers Dialed (LND).
Assertions:	SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error then Last Numbers Dialed (LND) shall be presented in a useable format. SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 12:50:41 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 12:50:41 EDT 2010 Acquisition finished: Mon Jul 19 12:52:59 EDT 2010 LNDs were acquired Date/Time Stamps correctly reported for LNDs
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-12 Acquisition of LNDs.	as expected
SPT-AO-13 Acquisition of LND date/time stamps.	as expected

Analysis:	Expected results achieved

5.2.20 SPT–20 (iPhone 3Gs)

Test Case SPT-20 Device Seizure 4.0	
Case Summary:	SPT-20 Acquire SIM memory and review reported text messages (SMS, EMS).
Assertions:	SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII SMS text messages shall be presented in a useable format. SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII EMS text messages shall be presented in a useable format. SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for all text messages shall be presented in a useable format. SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 12:53:24 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 12:53:24 EDT 2010 Acquisition finished: Mon Jul 19 13:08:45 EDT 2010 ALL text messages (SMS, EMS) were acquired All date/time stamps were reported for text messages Correct status flags were reported for text messages Sender and Recipient phone numbers associated with text messages were correctly reported
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-AO-14 Acquisition of SMS messages.</td><td>as expected</td></tr><tr><td>SPT-AO-15 Acquisition of EMS messages.</td><td>as expected</td></tr><tr><td>SPT-AO-16 Acquisition of text message date/time stamps.</td><td>as expected</td></tr><tr><td>SPT-AO-17 Acquisition of text message status flags.</td><td>as expected</td></tr><tr><td>SPT-AO-18 Acquisition of sender/recipient phone number associated with text messages.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.21 SPT–21 (iPhone 3Gs)

Test Case SPT-21 Device Seizure 4.0	
Case Summary:	SPT-21 Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).
Assertions:	SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error then deleted text messages that have not been overwritten shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 13:09:10 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 13:09:10 EDT 2010 Acquisition finished: Mon Jul 19 13:12:41 EDT 2010 Deleted text message data was recovered
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-19 Acquisition of non-overwritten deleted text messages.	as expected

Analysis:	Expected results achieved

5.2.22 SPT–22 (iPhone 3Gs)

Test Case SPT-22 Device Seizure 4.0	
Case Summary:	SPT–22 Acquire SIM memory and review reported location related data (i.e., LOCI, GPRSLOCI).
Assertions:	SPT–AO–20 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., LOCI) shall be presented in a useable format. SPT–AO–21 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., GRPSLOCI) shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 13:23:05 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 13:23:05 EDT 2010 Acquisition finished: Mon Jul 19 13:26:22 EDT 2010 LOCI data was acquired GPRSLOCI data was acquired
Results:	

Assertion & Expected Result	Actual Result
SPT–AO–20 Acquisition of LOCI information.	as expected
SPT–AO–21 Acquisition of GPRSLOCI information.	as expected

Analysis:	Expected results achieved

5.2.23 SPT–23 (iPhone 3Gs)

Test Case SPT–23 Device Seizure 4.0	
Case Summary:	SPT-23 Acquire SIM memory by selecting a combination of supported data elements.
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself). SPT-AO-22 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects acquisition option then the tool shall complete the acquisition of all data objects without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 13:26:44 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 13:26:44 EDT 2010 Acquisition finished: Mon Jul 19 13:30:58 EDT 2010 Acquire All acquisition was successful

Results:	Assertion & Expected Result	Actual Result
	SPT-AO-01 SIM connectivity via supported interfaces.	as expected
	SPT-AO-22 Acquire-All data objects acquisition.	as expected

Analysis:	Expected results achieved

5.2.24 SPT–24 (iPhone 3Gs)

Test Case SPT-24 Device Seizure 4.0	
Case Summary:	SPT-24 Acquire mobile device internal memory and review reported data via supported generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format via supported generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 13:45:59 EDT 2010
Device:	iPhone3Gs
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 13:45:59 EDT 2010 Acquisition finished: Mon Jul 19 13:47:54 EDT 2010 Complete representation of known data via generated reports was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-25 Comparison of known device data elements via generated reports.	as expected

Analysis:	Expected results achieved

5.2.25 SPT–25 (iPhone 3Gs)

Test Case SPT–25 Device Seizure 4.0	
Case Summary:	SPT–25 Acquire mobile device internal memory and review reported data via the preview pane.
Assertions:	SPT–AO–26 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format in a preview–pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 13:48:15 EDT 2010
Device:	iPhone3Gs
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 13:48:15 EDT 2010 Acquisition finished: Mon Jul 19 13:50:12 EDT 2010 Complete representation of known data via preview-pane was successful

Results:	Assertion & Expected Result	Actual Result
	SPT–AO–26 Comparison of known device data elements via preview–pane.	as expected

Analysis:	Expected results achieved

5.2.26 SPT–26 (iPhone 3Gs)

Test Case SPT–26 Device Seizure 4.0	
Case Summary:	SPT–26 Acquire SIM memory and review reported data via supported generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable format via supported generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 13:50:37 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 13:50:37 EDT 2010 Acquisition finished: Mon Jul 19 13:53:07 EDT 2010 Complete representation of known data via generated reports was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-25 Comparison of known device data elements via generated reports.	as expected

Analysis:	Expected results achieved

5.2.27 SPT–27 (iPhone 3Gs)

Test Case SPT-27 Device Seizure 4.0	
Case Summary:	SPT-27 Acquire SIM memory and review reported data via the preview-pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable format in a preview-pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 13:55:30 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 13:55:30 EDT 2010 Acquisition finished: Mon Jul 19 13:57:08 EDT 2010 Complete representation of known data via preview-pane was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-26 Comparison of known device data elements via preview-pane.	as expected

Analysis:	Expected results achieved

5.2.28 SPT–28 (iPhone 3Gs)

Test Case SPT-28 Device Seizure 4.0	
Case Summary:	SPT–28 Attempt acquisition of a password–protected SIM.
Assertions:	SPT-AO–28 If the SIM is password–protected then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 13:57:45 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 13:57:45 EDT 2010 Acquisition finished: Mon Jul 19 14:01:39 EDT 2010 Ability to enter PIN on protected media before acquisition was not successful **Notes**: The dialog box does not allow the user to proceed with the acquisition of SIM data after inputting the PIN. The "Next" button is not available for selection.
Results:	

Assertion & Expected Result	Actual Result
SPT-AO–28 Acquisition of password protected SIM.	Not as expected

Analysis:	Expected results Not achieved

5.2.29 SPT–29 (iPhone 3Gs)

Test Case SPT-29 Device Seizure 4.0	
Case Summary:	SPT-29 After a successful mobile device internal memory, alter the case file via third-party means and attempt to re-open the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 14:06:59 EDT 2010
Device:	iPhone3Gs
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 14:06:59 EDT 2010 Acquisition finished: Mon Jul 19 14:08:48 EDT 2010 Notification of modified device memory data was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-27 Notification of modified device case data.	as expected

Analysis:	Expected results achieved

5.2.30 SPT–30 (iPhone 3Gs)

Test Case SPT–30 Device Seizure 4.0	
Case Summary:	SPT–30 After a successful SIM acquisition, alter the case file via third–party means and attempt to re-open the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third–party means then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	Rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 14:09:43 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 14:09:43 EDT 2010 Acquisition finished: Mon Jul 19 14:10:36 EDT 2010 Notification of modified SIM data was successful
Results:	<table><tr><td>**Assertion & Expected Result**</td><td>**Actual Result**</td></tr><tr><td>SPT-AO-27 Notification of modified device case data.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.31 SPT–33 (iPhone 3Gs)

Test Case SPT-33 Device Seizure 4.0	
Case Summary:	SPT–33 Acquire mobile device internal memory and review data containing non–ASCII characters.
Assertions:	SPT–AO–40 If the cellular forensic tool supports display of non–ASCII characters then the application should present address book entries in their native format. SPT–AO–41 If the cellular forensic tool supports proper display of non–ASCII characters then the application should present text messages in their native format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 14:15:58 EDT 2010
Device:	iPhone3Gs
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 14:15:58 EDT 2010 Acquisition finished: Mon Jul 19 14:17:56 EDT 2010 Non–ASCII Address book entries were acquired and properly displayed Non–ASCII text messages were acquired and properly displayed
Results:	

Assertion & Expected Result	Actual Result
SPT–AO–40 Acquisition of non–ASCII address book entries/ADNs.	as expected
SPT–AO–41 Acquisition of non–ASCII text messages.	as expected

Analysis:	Expected results achieved

5.2.32 SPT–34 (iPhone 3Gs)

Test Case SPT-34 Device Seizure 4.0	
Case Summary:	SPT–34 Acquire SIM memory and review data containing non–ASCII characters.
Assertions:	SPT–AO–40 If the cellular forensic tool supports display of non–ASCII characters then the application should present ADNs in their native format. SPT–AO–41 If the cellular forensic tool supports proper display of non–ASCII characters then the application should present text messages in their native format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 14:18:23 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 14:18:23 EDT 2010 Acquisition finished: Mon Jul 19 14:21:38 EDT 2010 Non–ASCII ADNs were acquired and properly displayed Non–ASCII text messages were acquired and properly displayed
Results:	

Assertion & Expected Result	Actual Result
SPT–AO–40 Acquisition of non–ASCII address book entries/ADNs.	as expected
SPT–AO–41 Acquisition of non–ASCII text messages.	as expected

Analysis:	Expected results achieved

5.2.33 SPT–38 (iPhone 3Gs)

Test Case SPT-38 Device Seizure 4.0	
Case Summary:	SPT-38 Acquire mobile device internal memory and review hash values for vendor supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 14:25:07 EDT 2010
Device:	iPhone3Gs
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 14:25:07 EDT 2010 Acquisition finished: Mon Jul 19 14:26:55 EDT 2010 Hash values were properly reported for individually acquired device data elements
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-43 Acquire data, check known hash values for consistency.	as expected

Analysis:	Expected results achieved

5.2.34 SPT–39 (iPhone 3Gs)

Test Case SPT-39 Device Seizure 4.0	
Case Summary:	SPT-39 Acquire SIM memory and review hash values for vendor supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 14:27:23 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 14:27:23 EDT 2010 Acquisition finished: Mon Jul 19 14:28:43 EDT 2010 Hash values were properly reported for individually acquired SIM data elements
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-43 Acquire data, check known hash values for consistency.	as expected

Analysis:	Expected results achieved

5.2.35 SPT–40 (iPhone 3Gs)

Test Case SPT-40 Device Seizure 4.0	
Case Summary:	SPT-40 Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.
Assertions:	SPT-AO-44 If the cellular forensic tool supports acquisition of GPS data then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 19 14:29:20 EDT 2010
Device:	iPhone3Gs
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Mon Jul 19 14:29:20 EDT 2010 Acquisition finished: Mon Jul 19 14:36:34 EDT 2010 GPS Coordinate data was successfully acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-44 Acquire data, check GPS data for consistency.	as expected

Analysis:	Expected results achieved

5.2.36 SPT–01 (Blackberry Bold 9700)

Test Case SPT-01 Device Seizure 4.0	
Case Summary:	SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview-pane or generated report. SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 07:30:28 EDT 2010
Device:	Blackberry_bold9700
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 07:30:28 EDT 2010 Acquisition finished: Tue Jul 20 07:35:16 EDT 2010 Device connectivity was established via supported interface
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-01 Device connectivity via supported interfaces.	as expected
SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
SPT-CA-29 Acquire-All data objects acquisition.	as expected
SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.	as expected

Analysis:	Expected results achieved

5.2.37 SPT–02 (Blackberry Bold 9700)

Test Case SPT-02 Device Seizure 4.0	
Case Summary:	SPT-02 Attempt internal memory acquisition of a non-supported mobile device.
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to connect to a non-supported device then the tool shall notify the user that the device is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 07:35:42 EDT 2010
Device:	unsupported_device
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 07:35:42 EDT 2010 Acquisition finished: Tue Jul 20 07:38:24 EDT 2010 Identification of non-supported devices was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-02 Identification of non-supported devices.	as expected

Analysis:	Expected results achieved

5.2.38 SPT–03 (Blackberry Bold 9700)

Test Case SPT-03 Device Seizure 4.0	
Case Summary:	SPT-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 07:38:56 EDT 2010
Device:	Blackberry_bold9700
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 07:38:56 EDT 2010 Acquisition finished: Tue Jul 20 07:48:15 EDT 2010 Device acquisition disruption notification was not successful
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-03 Notification of device acquisition disruption.	Not as expected

Analysis:	Expected results Not achieved

5.2.39 SPT–04 (Blackberry Bold 9700)

Test Case SPT-04 Device Seizure 4.0	
Case Summary:	SPT-04 Acquire mobile device internal memory and review reported data via the preview-pane or generated reports for readability.
Assertions:	SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview-pane or generated report.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 07:56:38 EDT 2010
Device:	Blackberry_bold9700
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 07:56:38 EDT 2010 Acquisition finished: Tue Jul 20 08:12:47 EDT 2010 Readability and completeness of acquired data was successful
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-CA-04 Readability and completeness of acquired data via supported reports.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.40 SPT–05 (Blackberry Bold 9700)

Test Case SPT-05 Device Seizure 4.0	
Case Summary:	SPT-05 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).
Assertions:	SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error then subscriber-related information shall be presented in a useable format. SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error then equipment related information shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 08:13:18 EDT 2010
Device:	Blackberry_bold9700
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 08:13:18 EDT 2010 Acquisition finished: Tue Jul 20 08:33:41 EDT 2010 Subscriber and Equipment related data (i.e., MSISDN, IMEI) were acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-05 Acquisition of MSISDN, IMSI.	as expected
SPT-CA-06 Acquisition of IMEI/MEID/ESN.	as expected

Analysis:	Expected results achieved

5.2.41 SPT–06 (Blackberry Bold 9700)

Test Case SPT-06 Device Seizure 4.0	
Case Summary:	SPT-06 Acquire mobile device internal memory and review reported PIM related data.
Assertions:	SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error then address book entries shall be presented in a useable format. SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error then maximum length address book entries shall be presented in a useable format. SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing special characters shall be presented in a useable format. SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing blank names shall be presented in a useable format. SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error then email addresses associated with address book entries shall be presented in a useable format. SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error then graphics associated with address book entries shall be presented in a useable format. SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error then datebook, calendar, note entries shall be presented in a useable format. SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error then maximum length datebook, calendar, note entries shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 08:34:21 EDT 2010
Device:	Blackberry_bold9700
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 08:34:21 EDT 2010 Acquisition finished: Tue Jul 20 08:47:25 EDT 2010 Regular Length Address Book entries were acquired Maximum Length Address Book entries were acquired Special Character Address Book entries were acquired Blank Name Address Book entries were acquired Email addresses within Address Book entries were acquired Embedded graphics within Address Book entries were not acquired ALL PIM related data was acquired

Results:		
	Assertion & Expected Result	**Actual Result**
	SPT-CA-07 Acquisition of address book entries.	as expected
	SPT-CA-08 Acquisition of maximum length address book entries.	as expected
	SPT-CA-09 Acquisition of address book entries containing special characters.	as expected
	SPT-CA-10 Acquisition of address book entries containing a blank name entry.	as expected
	SPT-CA-11 Acquisition of embedded email addresses within address book entries.	as expected
	SPT-CA-12 Acquisition of embedded graphics within address book entries.	Not as expected
	SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	as expected
	SPT-CA-14 Acquisition of maximum length PIM data.	as expected

Test Case SPT-06 Device Seizure 4.0	
Analysis:	Partial results achieved

5.2.42 SPT–07 (Blackberry Bold 9700)

Test Case SPT-07 Device Seizure 4.0	
Case Summary:	SPT-07 Acquire mobile device internal memory and review reported call logs.
Assertions:	SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error then call logs (incoming/outgoing/missed) shall be presented in a useable format. SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 08:48:31 EDT 2010
Device:	Blackberry_bold9700
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 08:48:31 EDT 2010 Acquisition finished: Tue Jul 20 08:51:16 EDT 2010 All Call Logs (incoming, outgoing, missed) were acquired All Call Log date/time stamps data were correctly reported
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-15 Acquisition of call logs.	as expected
SPT-CA-16 Acquisition of call log date/time stamps.	as expected

Analysis:	Expected results achieved

5.2.43 SPT–08 (Blackberry Bold 9700)

Test Case SPT-08 Device Seizure 4.0	
Case Summary:	SPT-08 Acquire mobile device internal memory and review reported text messages.
Assertions:	SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format. SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps for text messages shall be presented in a useable format. SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 08:56:57 EDT 2010
Device:	Blackberry_bold9700
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 08:56:57 EDT 2010 Acquisition finished: Tue Jul 20 09:01:47 EDT 2010 ALL text messages (SMS, EMS) were acquired Correct date/time stamps were reported for all text messages Correct status flags were reported for all text messages Sender and Recipient phone numbers associated with text messages were correctly reported

Results:

Assertion & Expected Result	Actual Result
SPT-CA-17 Acquisition of text messages.	as expected
SPT-CA-18 Acquisition of text message date/time stamps.	as expected
SPT-CA-19 Acquisition of text message status flags.	as expected
SPT-CA-20 Acquisition of sender/recipient phone number associated with text messages.	as expected

Analysis:	Expected results achieved

5.2.44 SPT–09 (Blackberry Bold 9700)

Test Case SPT-09 Device Seizure 4.0	
Case Summary:	SPT-09 Acquire mobile device internal memory and review reported MMS multi-media related data (i.e., text, audio, graphics, video).
Assertions:	SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated audio shall be presented in a useable format. SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated graphic files shall be presented in a useable format. SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated video shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 09:03:14 EDT 2010
Device:	Blackberry_bold9700
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 09:03:14 EDT 2010 Acquisition finished: Tue Jul 20 09:08:46 EDT 2010 Partial audio MMS messages were acquired Partial image MMS messages were acquired Partial video MMS messages were acquired **Notes**: The MMS embedded objects (i.e., graphics, audio, video) are not reported.
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-21 Acquisition of audio MMS messages.	partial
SPT-CA-22 Acquisition of graphic data image MMS messages.	partial
SPT-CA-23 Acquisition of video MMS messages.	partial

Analysis:	Partial results Not achieved

5.2.45 SPT–10 (Blackberry Bold 9700)

Test Case SPT-10 Device Seizure 4.0	
Case Summary:	SPT-10 Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).
Assertions:	SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 09:10:58 EDT 2010
Device:	Blackberry_bold9700
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 09:10:58 EDT 2010 Acquisition finished: Tue Jul 20 11:01:09 EDT 2010 Audio files were not acquired Image files were not acquired Video files were not acquired
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-CA-24 Acquisition of stand-alone audio files.</td><td>partial</td></tr><tr><td>SPT-CA-25 Acquisition of stand-alone graphic files.</td><td>partial</td></tr><tr><td>SPT-CA-26 Acquisition of stand-alone video files.</td><td>partial</td></tr></table>
Analysis:	Expected results Not achieved

5.2.46 SPT–11 (Blackberry Bold 9700)

Test Case SPT-11 Device Seizure 4.0	
Case Summary:	SPT-11 Acquire mobile device internal memory and review application related data (i.e., word documents, spreadsheet, presentation documents).
Assertions:	SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error then device specific application related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 11:02:53 EDT 2010
Device:	Blackberry_bold9700
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 11:02:53 EDT 2010 Acquisition finished: Tue Jul 20 11:13:17 EDT 2010 Application data was not acquired
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-CA-27 Acquisition of application related data.</td><td>Not as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.47 SPT–12 (Blackberry Bold 9700)

Test Case SPT-12 Device Seizure 4.0	
Case Summary:	SPT-12 Acquire mobile device internal memory and review Internet related data (i.e., bookmarks, visited sites.
Assertions:	SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 11:13:55 EDT 2010
Device:	Blackberry_bold9700
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 11:13:55 EDT 2010 Acquisition finished: Tue Jul 20 12:17:32 EDT 2010 All Internet related data was acquired
Results:	<table><tr><td>**Assertion & Expected Result**</td><td>**Actual Result**</td></tr><tr><td>SPT-CA-28 Acquisition of Internet related data.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.48 SPT–13 (Blackberry Bold 9700)

Test Case SPT–13 Device Seizure 4.0	
Case Summary:	SPT–13 Acquire mobile device internal memory by selecting a combination of supported data elements.
Assertions:	SPT–CA–29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 12:17:57 EDT 2010
Device:	Blackberry_bold9700
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 12:17:57 EDT 2010 Acquisition finished: Tue Jul 20 12:19:18 EDT 2010 Select All acquisition was successful
Results:	

Assertion & Expected Result	Actual Result
SPT–CA–29 Acquire-All data objects acquisition.	as expected

Analysis:	Expected results achieved

5.2.49 SPT–14 (Blackberry Bold 9700)

Test Case SPT-14 Device Seizure 4.0	
Case Summary:	SPT-14 Acquire SIM memory over supported interfaces (e.g., PC/SC reader).
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 12:18:43 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 12:18:43 EDT 2010 Acquisition finished: Tue Jul 20 12:20:28 EDT 2010 Media connectivity was established via supported interface
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-01 SIM connectivity via supported interfaces.	as expected

Analysis:	Expected results achieved

5.2.50 SPT–15 (Blackberry Bold 9700)

Test Case SPT–15 Device Seizure 4.0	
Case Summary:	SPT–15 Attempt acquisition of a non-supported SIM.
Assertions:	SPT-AO-02 If a cellular forensic tool attempts to connect to a non-supported SIM then the tool shall notify the user that the SIM is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 12:20:47 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 12:20:47 EDT 2010 Acquisition finished: Tue Jul 20 12:28:30 EDT 2010 Identification of non-supported media was successful
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-AO-02 Identification of non-supported SIMs.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.51 SPT–16 (Blackberry Bold 9700)

Test Case SPT-16 Device Seizure 4.0	
Case Summary:	SPT–16 Begin SIM acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 12:28:51 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 12:28:51 EDT 2010 Acquisition finished: Tue Jul 20 12:38:27 EDT 2010 Media acquisition disruption notification was successful
Results:	<table><tr><td>**Assertion & Expected Result**</td><td>**Actual Result**</td></tr><tr><td>SPT-AO-03 Notification of SIM acquisition disruption.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.52 SPT–17 (Blackberry Bold 9700)

Test Case SPT–17 Device Seizure 4.0	
Case Summary:	SPT–17 Acquire SIM memory and review reported subscriber and equipment related information (i.e., SPN, ICCID, IMSI, MSISDN).
Assertions:	SPT–AO–04 If a cellular forensic tool completes acquisition of the target SIM without error then the SPN shall be presented in a useable format. SPT–AO–05 If a cellular forensic tool completes acquisition of the target SIM without error then the ICCID shall be presented in a useable format. SPT–AO–06 If a cellular forensic tool completes acquisition of the target SIM without error then the IMSI shall be presented in a useable format. SPT–AO–07 If a cellular forensic tool completes acquisition of the target SIM without error then the MSISDN shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 12:38:51 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 12:38:51 EDT 2010 Acquisition finished: Tue Jul 20 12:44:28 EDT 2010 All subscriber–related data (i.e., SPN, ICCID, IMSI, MSISDN) was acquired
Results:	

Assertion & Expected Result	Actual Result
SPT–AO–04 Acquisition of SPN.	as expected
SPT–AO–05 Acquisition of ICCID.	as expected
SPT–AO–06 Acquisition of IMSI.	as expected
SPT–AO–07 Acquisition of MSISDN.	as expected

Analysis:	Expected results achieved

5.2.53 SPT–18 (Blackberry Bold 9700)

Test Case SPT-18 Device Seizure 4.0	
Case Summary:	SPT-18 Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).
Assertions:	SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format. SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error then maximum length ADNs shall be presented in a useable format. SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing special characters shall be presented in a useable format. SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing blank names shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 12:44:48 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 12:44:48 EDT 2010 Acquisition finished: Tue Jul 20 12:48:42 EDT 2010 All ADNs were acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-08 Acquisition of ADNs.	as expected
SPT-AO-09 Acquisition of maximum length ADNs.	as expected
SPT-AO-10 Acquisition of special character ADNs.	as expected
SPT-AO-11 Acquisition of blank name ADNs.	as expected

Analysis:	Expected results achieved

5.2.54 SPT–19 (Blackberry Bold 9700)

Test Case SPT-19 Device Seizure 4.0	
Case Summary:	SPT–19 Acquire SIM memory and review reported Last Numbers Dialed (LND).
Assertions:	SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error then Last Numbers Dialed (LND) shall be presented in a useable format. SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 12:49:01 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 12:49:01 EDT 2010 Acquisition finished: Tue Jul 20 12:52:59 EDT 2010 LNDs were acquired Date/Time Stamps correctly reported for LNDs
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-12 Acquisition of LNDs.	as expected
SPT-AO-13 Acquisition of LND date/time stamps.	as expected

Analysis:	Expected results achieved

5.2.55 SPT–20 (Blackberry Bold 9700)

Test Case SPT-20 Device Seizure 4.0	
Case Summary:	SPT-20 Acquire SIM memory and review reported text messages (SMS, EMS).
Assertions:	SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII SMS text messages shall be presented in a useable format. SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII EMS text messages shall be presented in a useable format. SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for all text messages shall be presented in a useable format. SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 12:53:25 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 12:53:25 EDT 2010 Acquisition finished: Tue Jul 20 12:55:04 EDT 2010 ALL text messages (SMS, EMS) were acquired All date/time stamps were reported for text messages Correct status flags were reported for text messages Sender and Recipient phone numbers associated with text messages were correctly reported
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-14 Acquisition of SMS messages.	as expected
SPT-AO-15 Acquisition of EMS messages.	as expected
SPT-AO-16 Acquisition of text message date/time stamps.	as expected
SPT-AO-17 Acquisition of text message status flags.	as expected
SPT-AO-18 Acquisition of sender/recipient phone number associated with text messages.	as expected

Analysis:	Expected results achieved

5.2.56 SPT–21 (Blackberry Bold 9700)

Test Case SPT-21 Device Seizure 4.0	
Case Summary:	SPT-21 Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).
Assertions:	SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error then deleted text messages that have not been overwritten shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 12:55:27 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 12:55:27 EDT 2010 Acquisition finished: Tue Jul 20 12:59:49 EDT 2010 Deleted text message data was recovered
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-19 Acquisition of non-overwritten deleted text messages.	as expected

Analysis:	Expected results achieved

5.2.57 SPT–22 (Blackberry Bold 9700)

Test Case SPT–22 Device Seizure 4.0	
Case Summary:	SPT–22 Acquire SIM memory and review reported location related data (i.e., LOCI, GPRSLOCI).
Assertions:	SPT–AO–20 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., LOCI) shall be presented in a useable format. SPT–AO–21 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., GRPSLOCI) shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 13:00:13 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 13:00:13 EDT 2010 Acquisition finished: Tue Jul 20 13:02:01 EDT 2010 LOCI data was acquired GPRSLOCI data was acquired
Results:	

Assertion & Expected Result	Actual Result
SPT–AO–20 Acquisition of LOCI information.	as expected
SPT–AO–21 Acquisition of GPRSLOCI information.	as expected

Analysis:	Expected results achieved

5.2.58 SPT–23 (Blackberry Bold 9700)

Test Case SPT-23 Device Seizure 4.0	
Case Summary:	SPT-23 Acquire SIM memory by selecting a combination of supported data elements.
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself). SPT-AO-22 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects acquisition option then the tool shall complete the acquisition of all data objects without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 13:02:20 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 13:02:20 EDT 2010 Acquisition finished: Tue Jul 20 13:04:01 EDT 2010 Acquire All acquisition was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-01 SIM connectivity via supported interfaces.	as expected
SPT-AO-22 Acquire-All data objects acquisition.	as expected

Analysis:	Expected results achieved

5.2.59 SPT–24 (Blackberry Bold 9700)

Test Case SPT–24 Device Seizure 4.0	
Case Summary:	SPT–24 Acquire mobile device internal memory and review reported data via supported generated report formats.
Assertions:	SPT–AO–25 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format via supported generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 14:30:30 EDT 2010
Device:	Blackberry_bold9700
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 14:30:30 EDT 2010 Acquisition finished: Tue Jul 20 14:32:28 EDT 2010 Complete representation of known data via generated reports was successful
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT–AO–25 Comparison of known device data elements via generated reports.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.60 SPT–25 (Blackberry Bold 9700)

Test Case SPT-25 Device Seizure 4.0	
Case Summary:	SPT-25 Acquire mobile device internal memory and review reported data via the preview pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format in a preview-pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 14:33:25 EDT 2010
Device:	Blackberry_bold9700
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 14:33:25 EDT 2010 Acquisition finished: Tue Jul 20 14:34:36 EDT 2010 Complete representation of known data via preview-pane was successful

Results:		
	Assertion & Expected Result	**Actual Result**
	SPT-AO-26 Comparison of known device data elements via preview-pane.	as expected

Analysis:	Expected results achieved

5.2.61 SPT–26 (Blackberry Bold 9700)

Test Case SPT-26 Device Seizure 4.0	
Case Summary:	SPT–26 Acquire SIM memory and review reported data via supported generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable format via supported generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 14:35:07 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 14:35:07 EDT 2010 Acquisition finished: Tue Jul 20 14:37:57 EDT 2010 Complete representation of known data via generated reports was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-25 Comparison of known device data elements via generated reports.	as expected

Analysis:	Expected results achieved

5.2.62 SPT–27 (Blackberry Bold 9700)

Test Case SPT-27 Device Seizure 4.0	
Case Summary:	SPT–27 Acquire SIM memory and review reported data via the preview-pane.
Assertions:	SPT–AO–26 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable format in a preview-pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 14:38:16 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 14:38:16 EDT 2010 Acquisition finished: Tue Jul 20 14:39:44 EDT 2010 Complete representation of known data via preview-pane was successful
Results:	<table><tr><td>**Assertion & Expected Result**</td><td>**Actual Result**</td></tr><tr><td>SPT–AO–26 Comparison of known device data elements via preview-pane.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.63 SPT–28 (Blackberry Bold 9700)

Test Case SPT-28 Device Seizure 4.0	
Case Summary:	SPT–28 Attempt acquisition of a password–protected SIM.
Assertions:	SPT-AO–28 If the SIM is password–protected then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 14:40:21 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 14:40:21 EDT 2010 Acquisition finished: Tue Jul 20 14:41:31 EDT 2010 Ability to enter PIN on protected media before acquisition was not successful **Notes**: The dialog box does not allow the user to proceed with the acquisition of SIM data after inputting the PIN. The "Next" button is not available for selection.
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-28 Acquisition of password protected SIM.	Not as expected

Analysis:	Expected results Not achieved

5.2.64 SPT–29 (Blackberry Bold 9700)

Test Case SPT-29 Device Seizure 4.0	
Case Summary:	SPT-29 After a successful mobile device internal memory, alter the case file via third-party means and attempt to re-open the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 14:42:08 EDT 2010
Device:	Blackberry_bold9700
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 14:42:08 EDT 2010 Acquisition finished: Tue Jul 20 14:44:09 EDT 2010 Notification of modified device memory data was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-27 Notification of modified device case data.	as expected

Analysis:	Expected results achieved

5.2.65 SPT–30 (Blackberry Bold 9700)

Test Case SPT–30 Device Seizure 4.0	
Case Summary:	SPT–30 After a successful SIM acquisition, alter the case file via third–party means and attempt to re-open the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third–party means then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 14:44:30 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 14:44:30 EDT 2010 Acquisition finished: Tue Jul 20 14:46:10 EDT 2010 Notification of modified SIM data was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-27 Notification of modified device case data.	as expected

Analysis:	Expected results achieved

5.2.66 SPT–33 (Blackberry Bold 9700)

Test Case SPT-33 Device Seizure 4.0	
Case Summary:	SPT–33 Acquire mobile device internal memory and review data containing non–ASCII characters.
Assertions:	SPT–AO–40 If the cellular forensic tool supports display of non–ASCII characters then the application should present address book entries in their native format. SPT–AO–41 If the cellular forensic tool supports proper display of non–ASCII characters then the application should present text messages in their native format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 14:56:10 EDT 2010
Device:	Blackberry_bold9700
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 14:56:10 EDT 2010 Acquisition finished: Tue Jul 20 14:57:15 EDT 2010 Non–ASCII Address book entries were acquired and properly displayed Non–ASCII text messages were acquired and properly displayed
Results:	

Assertion & Expected Result	Actual Result
SPT–AO–40 Acquisition of non–ASCII address book entries/ADNs.	as expected
SPT–AO–41 Acquisition of non–ASCII text messages.	as expected

Analysis:	Expected results achieved

5.2.67 SPT–34 (Blackberry Bold 9700)

Test Case SPT-34 Device Seizure 4.0	
Case Summary:	SPT–34 Acquire SIM memory and review data containing non–ASCII characters.
Assertions:	SPT–AO–40 If the cellular forensic tool supports display of non–ASCII characters then the application should present ADNs in their native format. SPT–AO–41 If the cellular forensic tool supports proper display of non–ASCII characters then the application should present text messages in their native format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 14:57:37 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 14:57:37 EDT 2010 Acquisition finished: Tue Jul 20 14:59:01 EDT 2010 Non–ASCII ADNs were acquired and properly displayed Non–ASCII text messages were acquired and properly displayed
Results:	

Assertion & Expected Result	Actual Result
SPT–AO–40 Acquisition of non–ASCII address book entries/ADNs.	as expected
SPT–AO–41 Acquisition of non–ASCII text messages.	as expected

Analysis:	Expected results achieved

5.2.68 SPT–38 (Blackberry Bold 9700)

Test Case SPT-38 Device Seizure 4.0	
Case Summary:	SPT-38 Acquire mobile device internal memory and review hash values for vendor supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 14:59:52 EDT 2010
Device:	Blackberry_bold9700
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 14:59:52 EDT 2010 Acquisition finished: Tue Jul 20 15:01:04 EDT 2010 Hash values were properly reported for individually acquired device data elements
Results:	<table><tr><td>Assertion & Expected Result</td><td>Actual Result</td></tr><tr><td>SPT-AO-43 Acquire data, check known hash values for consistency.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.69 SPT–39 (Blackberry Bold 9700)

Test Case SPT-39 Device Seizure 4.0	
Case Summary:	SPT-39 Acquire SIM memory and review hash values for vendor supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 20 15:01:27 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 20 15:01:27 EDT 2010 Acquisition finished: Tue Jul 20 15:02:47 EDT 2010 Hash values were properly reported for individually acquired SIM data elements
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-43 Acquire data, check known hash values for consistency.	as expected

Analysis:	Expected results achieved

5.2.70 SPT–01 (Nokia 6790)

Test Case SPT-01 Device Seizure 4.0	
Case Summary:	SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview-pane or generated report. SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a "Select All" individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 27 14:16:56 EDT 2010
Device:	Nokia_6790
Source Setup:	OS: WIN XP Interface: cable

Log Highlights:
Created by Device Seizure Version 4.0
Acquisition started: Tue Jul 27 14:16:56 EDT 2010
Acquisition finished: Tue Jul 27 14:17:05 EDT 2010

Device Connectivity was not established via supported interface

Notes:
Acquisition was not successful. The following message was displayed: Acquisition process has failed. Status: Failed, Action: Connecting..., Result: Connection error, Advice: Try to reacquire the device. If the error persists, please submit log to the Paraben support team.

Results:		
	Assertion & Expected Result	**Actual Result**
	SPT-CA-01 Device connectivity via supported interfaces.	Not as expected
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	NA
	SPT-CA-29 Acquire-All data objects acquisition.	Not as expected
	SPT-CA-30 Select-All data objects acquisition.	Not as expected
	SPT-CA-31 Select-Individual data objects acquisition.	Not as expected
	SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.	NA
Analysis:	Expected results Not achieved	

5.2.71   SPT–14 (Nokia 6790)

Test Case SPT-14 Device Seizure 4.0	
Case Summary:	SPT–14 Acquire SIM memory over supported interfaces (e.g., PC/SC reader).
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 27 14:17:55 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 27 14:17:55 EDT 2010 Acquisition finished: Tue Jul 27 14:18:58 EDT 2010 Media connectivity was established via supported interface
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-01 SIM connectivity via supported interfaces.	as expected

Analysis:	Expected results achieved

5.2.72   SPT–15 (Nokia 6790)

Test Case SPT–15 Device Seizure 4.0	
Case Summary:	SPT–15 Attempt acquisition of a non-supported SIM.
Assertions:	SPT–AO–02 If a cellular forensic tool attempts to connect to a non-supported SIM then the tool shall notify the user that the SIM is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 27 14:19:31 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 27 14:19:31 EDT 2010 Acquisition finished: Tue Jul 27 14:20:16 EDT 2010 Identification of non-supported media was successful
Results:	

Assertion & Expected Result	Actual Result
SPT–AO–02 Identification of non-supported SIMs.	as expected

Analysis:	Expected results achieved

5.2.73   SPT–16 (Nokia 6790)

Test Case SPT-16 Device Seizure 4.0	
Case Summary:	SPT–16 Begin SIM acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 27 14:20:35 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 27 14:20:35 EDT 2010 Acquisition finished: Tue Jul 27 14:23:14 EDT 2010 Media acquisition disruption notification was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-03 Notification of SIM acquisition disruption.	as expected

Analysis:	Expected results achieved

5.2.74 SPT–17 (Nokia 6790)

Test Case SPT-17 Device Seizure 4.0	
Case Summary:	SPT-17 Acquire SIM memory and review reported subscriber and equipment related information (i.e., SPN, ICCID, IMSI, MSISDN).
Assertions:	SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error then the SPN shall be presented in a useable format. SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error then the ICCID shall be presented in a useable format. SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error then the IMSI shall be presented in a useable format. SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error then the MSISDN shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 27 14:24:13 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 27 14:24:13 EDT 2010 Acquisition finished: Tue Jul 27 14:26:41 EDT 2010 All subscriber-related data (i.e., SPN, ICCID, IMSI, MSISDN) was acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-04 Acquisition of SPN.	as expected
SPT-AO-05 Acquisition of ICCID.	as expected
SPT-AO-06 Acquisition of IMSI.	as expected
SPT-AO-07 Acquisition of MSISDN.	as expected

Analysis:	Expected results achieved

5.2.75 SPT–18 (Nokia 6790)

Test Case SPT-18 Device Seizure 4.0	
Case Summary:	SPT-18 Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).
Assertions:	SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format. SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error then maximum length ADNs shall be presented in a useable format. SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing special characters shall be presented in a useable format. SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing blank names shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 27 14:26:58 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 27 14:26:58 EDT 2010 Acquisition finished: Tue Jul 27 14:29:21 EDT 2010 All ADNs were acquired

Results:		
	Assertion & Expected Result	**Actual Result**
	SPT-AO-08 Acquisition of ADNs.	as expected
	SPT-AO-09 Acquisition of maximum length ADNs.	as expected
	SPT-AO-10 Acquisition of special character ADNs.	as expected
	SPT-AO-11 Acquisition of blank name ADNs.	as expected

Analysis:	Expected results achieved

5.2.76   SPT–19 (Nokia 6790)

Test Case SPT-19 Device Seizure 4.0	
Case Summary:	SPT–19 Acquire SIM memory and review reported Last Numbers Dialed (LND).
Assertions:	SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error then Last Numbers Dialed (LND) shall be presented in a useable format. SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 27 14:29:41 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 27 14:29:41 EDT 2010 Acquisition finished: Tue Jul 27 14:30:16 EDT 2010 LNDs were acquired Date/Time Stamps correctly reported for LNDs
Results:	

Assertion & Expected Result	Actual Result
SPT–AO–12 Acquisition of LNDs.	as expected
SPT–AO–13 Acquisition of LND date/time stamps.	as expected

Analysis:	Expected results achieved

5.2.77 SPT–20 (Nokia 6790)

Test Case SPT-20 Device Seizure 4.0	
Case Summary:	SPT-20 Acquire SIM memory and review reported text messages (SMS, EMS).
Assertions:	SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII SMS text messages shall be presented in a useable format. SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII EMS text messages shall be presented in a useable format. SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for all text messages shall be presented in a useable format. SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 27 14:30:47 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 27 14:30:47 EDT 2010 Acquisition finished: Tue Jul 27 14:31:53 EDT 2010 ALL text messages (SMS, EMS) were acquired All date/time stamps were reported for text messages Correct status flags were reported for text messages Sender and Recipient phone numbers associated with text messages were correctly reported

Assertion & Expected Result	Actual Result
SPT-AO-14 Acquisition of SMS messages.	as expected
SPT-AO-15 Acquisition of EMS messages.	as expected
SPT-AO-16 Acquisition of text message date/time stamps.	as expected
SPT-AO-17 Acquisition of text message status flags.	as expected
SPT-AO-18 Acquisition of sender/recipient phone number associated with text messages.	as expected

Analysis:	Expected results achieved

5.2.78   SPT–21 (Nokia 6790)

Test Case SPT-21 Device Seizure 4.0	
Case Summary:	SPT-21 Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).
Assertions:	SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error then deleted text messages that have not been overwritten shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 27 14:33:47 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 27 14:33:47 EDT 2010 Acquisition finished: Tue Jul 27 14:34:44 EDT 2010 Deleted text message data was recovered
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-19 Acquisition of non-overwritten deleted text messages.	as expected

Analysis:	Expected results achieved

5.2.79   SPT–22 (Nokia 6790)

Test Case SPT–22 Device Seizure 4.0	
Case Summary:	SPT–22 Acquire SIM memory and review reported location related data (i.e., LOCI, GPRSLOCI).
Assertions:	SPT–AO–20 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., LOCI) shall be presented in a useable format. SPT–AO–21 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., GRPSLOCI) shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 27 14:35:00 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 27 14:35:00 EDT 2010 Acquisition finished: Tue Jul 27 14:37:54 EDT 2010 LOCI data was acquired GPRSLOCI data was acquired
Results:	

Assertion & Expected Result	Actual Result
SPT–AO–20 Acquisition of LOCI information.	as expected
SPT–AO–21 Acquisition of GPRSLOCI information.	as expected

Analysis:	Expected results achieved

5.2.80   SPT–23 (Nokia 6790)

Test Case SPT-23 Device Seizure 4.0	
Case Summary:	SPT-23 Acquire SIM memory by selecting a combination of supported data elements.
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself). SPT-AO-22 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects acquisition option then the tool shall complete the acquisition of all data objects without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 27 14:38:12 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 27 14:38:12 EDT 2010 Acquisition finished: Tue Jul 27 14:39:28 EDT 2010 Acquire All acquisition was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-01 SIM connectivity via supported interfaces.	as expected
SPT-AO-22 Acquire-All data objects acquisition.	as expected

Analysis:	Expected results achieved

5.2.81 SPT–26 (Nokia 6790)

Test Case SPT-26 Device Seizure 4.0	
Case Summary:	SPT-26 Acquire SIM memory and review reported data via supported generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable format via supported generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 27 14:43:50 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 27 14:43:50 EDT 2010 Acquisition finished: Tue Jul 27 14:46:15 EDT 2010 Complete representation of known data via generated reports was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-25 Comparison of known device data elements via generated reports.	as expected

Analysis:	Expected results achieved

5.2.82   SPT–27 (Nokia 6790)

Test Case SPT-27 Device Seizure 4.0	
Case Summary:	SPT-27 Acquire SIM memory and review reported data via the preview-pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable format in a preview-pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 27 14:46:41 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 27 14:46:41 EDT 2010 Acquisition finished: Tue Jul 27 14:47:55 EDT 2010 Complete representation of known data via preview-pane was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-26 Comparison of known device data elements via preview-pane.	as expected

Analysis:	Expected results achieved

5.2.83 SPT–28 (Nokia 6790)

Test Case SPT-28 Device Seizure 4.0	
Case Summary:	SPT–28 Attempt acquisition of a password–protected SIM.
Assertions:	SPT-AO–28 If the SIM is password–protected then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 27 14:48:29 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 27 14:48:29 EDT 2010 Acquisition finished: Tue Jul 27 14:49:54 EDT 2010 Ability to enter PIN on protected media before acquisition was not successful **Notes**: The dialog box does not allow the user to proceed with the acquisition of SIM data after inputting the PIN. The "Next" button is not available for selection.
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-28 Acquisition of password protected SIM.	as expected

Analysis:	Expected results achieved

5.2.84   SPT–30 (Nokia 6790)

Test Case SPT-30 Device Seizure 4.0	
Case Summary:	SPT-30 After a successful SIM acquisition, alter the case file via third-party means and attempt to re-open the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 27 14:50:59 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 27 14:50:59 EDT 2010 Acquisition finished: Tue Jul 27 14:51:52 EDT 2010 Notification of modified SIM data was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-27 Notification of modified device case data.	as expected

Analysis:	Expected results achieved

5.2.85 SPT–34 (Nokia 6790)

Test Case SPT–34 Device Seizure 4.0	
Case Summary:	SPT–34 Acquire SIM memory and review data containing non–ASCII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non–ASCII characters then the application should present ADNs in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non–ASCII characters then the application should present text messages in their native format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 27 14:52:21 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 27 14:52:21 EDT 2010 Acquisition finished: Tue Jul 27 14:54:06 EDT 2010 Non-ASCII ADNs were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-40 Acquisition of non-ASCII address book entries/ADNs.	as expected
SPT-AO-41 Acquisition of non-ASCII text messages.	as expected

Analysis:	Expected results achieved

5.2.86   SPT–39 (Nokia 6790)

Test Case SPT-39 Device Seizure 4.0	
Case Summary:	SPT-39 Acquire SIM memory and review hash values for vendor supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 27 14:54:27 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Tue Jul 27 14:54:27 EDT 2010 Acquisition finished: Tue Jul 27 14:55:38 EDT 2010 Hash values were properly reported for individually acquired SIM data elements
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-43 Acquire data, check known hash values for consistency.	as expected

Analysis:	Expected results achieved

5.2.87 SPT–01 (HTC Touch Pro 2)

Test Case SPT-01 Device Seizure 4.0	
Case Summary:	SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview-pane or generated report. SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a "Select All" individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 07:54:21 EDT 2010
Device:	HTC_TouchPro2
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 07:54:21 EDT 2010 Acquisition finished: Wed Jul 28 07:54:29 EDT 2010 Device connectivity was established via supported interface
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-01 Device connectivity via supported interfaces.	as expected
SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
SPT-CA-29 Acquire-All data objects acquisition.	as expected
SPT-CA-30 Select-All data objects acquisition.	as expected
SPT-CA-31 Select-Individual data objects acquisition.	as expected
SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.	as expected

Analysis:	Expected results achieved

5.2.88   SPT–02 (HTC Touch Pro 2)

Test Case SPT-02 Device Seizure 4.0	
Case Summary:	SPT-02 Attempt internal memory acquisition of a non-supported mobile device.
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to connect to a non-supported device then the tool shall notify the user that the device is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 07:54:51 EDT 2010
Device:	unsupported_device
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 07:54:51 EDT 2010 Acquisition finished: Wed Jul 28 07:54:56 EDT 2010 Identification of non-supported devices was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-02 Identification of non-supported devices.	as expected

Analysis:	Expected results achieved

5.2.89   SPT–03 (HTC Touch Pro 2)

Test Case SPT-03 Device Seizure 4.0	
Case Summary:	SPT-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 08:00:44 EDT 2010
Device:	HTC_TouchPro2
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 08:00:44 EDT 2010 Acquisition finished: Wed Jul 28 08:12:24 EDT 2010 Device acquisition disruption notification was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-03 Notification of device acquisition disruption.	as expected

Analysis:	Expected results achieved

5.2.90　SPT–04 (HTC Touch Pro 2)

Test Case SPT-04 Device Seizure 4.0	
Case Summary:	SPT-04 Acquire mobile device internal memory and review reported data via the preview–pane or generated reports for readability.
Assertions:	SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview–pane or generated report.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 08:12:44 EDT 2010
Device:	HTC_TouchPro2
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 08:12:44 EDT 2010 Acquisition finished: Wed Jul 28 08:17:18 EDT 2010 Readability and completeness of acquired data was not successful **Notes**: When acquiring memory image and filesystem data the data is only viewable through the sorter tab. No data is displayed in the case tab. When attempting to save the case file the following error occurs: Error, Unknown error.
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-04 Readability and completeness of acquired data via supported reports.	Not as expected

Analysis:	Expected results achieved

5.2.91   SPT–05 (HTC Touch Pro 2)

Test Case SPT-05 Device Seizure 4.0	
Case Summary:	SPT-05 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).
Assertions:	SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error then subscriber-related information shall be presented in a useable format. SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error then equipment related information shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 08:23:26 EDT 2010
Device:	HTC_TouchPro2
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 08:23:26 EDT 2010 Acquisition finished: Wed Jul 28 08:30:39 EDT 2010 IMEI, MEID/ESN were acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-05 Acquisition of MSISDN, IMSI.	as expected
SPT-CA-06 Acquisition of IMEI/MEID/ESN.	as expected

Analysis:	Expected results achieved

5.2.92   SPT–06 (HTC Touch Pro 2)

Test Case SPT-06 Device Seizure 4.0	
Case Summary:	SPT-06 Acquire mobile device internal memory and review reported PIM related data.
Assertions:	SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error then address book entries shall be presented in a useable format. SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error then maximum length address book entries shall be presented in a useable format. SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing special characters shall be presented in a useable format. SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing blank names shall be presented in a useable format. SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error then email addresses associated with address book entries shall be presented in a useable format. SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error then graphics associated with address book entries shall be presented in a useable format. SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error then datebook, calendar, note entries shall be presented in a useable format. SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error then maximum length datebook, calendar, note entries shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 08:31:01 EDT 2010
Device:	HTC_TouchPro2
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 08:31:01 EDT 2010 Acquisition finished: Wed Jul 28 08:32:33 EDT 2010 Regular Length Address Book entries were acquired Maximum Length Address Book entries were acquired Special Character Address Book entries were acquired Blank Name Address Book entries were acquire Email addresses within Address Book entries were acquired Embedded graphics within Address Book entries were not acquired Basic PIM related data was acquired Maximum length PIM related data was not acquired

Results:		
	Assertion & Expected Result	**Actual Result**
	SPT-CA-07 Acquisition of address book entries.	as expected
	SPT-CA-08 Acquisition of maximum length address book entries.	as expected
	SPT-CA-09 Acquisition of address book entries containing special characters.	as expected
	SPT-CA-10 Acquisition of address book entries containing a blank name entry.	as expected
	SPT-CA-11 Acquisition of embedded email addresses within address book entries.	as expected
	SPT-CA-12 Acquisition of embedded graphics within address book entries.	Not as expected
	SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	as expected
	SPT-CA-14 Acquisition of maximum length PIM data.	Not as expected

Test Case SPT-06 Device Seizure 4.0	
Analysis:	Partial results achieved

5.2.93 SPT–07 (HTC Touch Pro 2)

Test Case SPT-07 Device Seizure 4.0	
Case Summary:	SPT-07 Acquire mobile device internal memory and review reported call logs.
Assertions:	SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error then call logs (incoming/outgoing/missed) shall be presented in a useable format. SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 08:33:32 EDT 2010
Device:	HTC_TouchPro2
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 08:33:32 EDT 2010 Acquisition finished: Wed Jul 28 08:37:11 EDT 2010 All Call Logs (incoming, outgoing, missed) were acquired All Call Log date/time stamps data were correctly reported
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-15 Acquisition of call logs.	as expected
SPT-CA-16 Acquisition of call log date/time stamps.	as expected

Analysis:	Expected results achieved

5.2.94   SPT–08 (HTC Touch Pro 2)

Test Case SPT-08 Device Seizure 4.0	
Case Summary:	SPT-08 Acquire mobile device internal memory and review reported text messages.
Assertions:	SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format. SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps for text messages shall be presented in a useable format. SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 08:37:51 EDT 2010
Device:	HTC_TouchPro2
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 08:37:51 EDT 2010 Acquisition finished: Wed Jul 28 08:43:43 EDT 2010 Text messages were not acquired
Results:	<table><tr><td>**Assertion & Expected Result**</td><td>**Actual Result**</td></tr><tr><td>SPT-CA-17 Acquisition of text messages.</td><td>Not as expected</td></tr><tr><td>SPT-CA-18 Acquisition of text message date/time stamps.</td><td>NA</td></tr><tr><td>SPT-CA-19 Acquisition of text message status flags.</td><td>NA</td></tr><tr><td>SPT-CA-20 Acquisition of sender/recipient phone number associated with text messages.</td><td>NA</td></tr></table>
Analysis:	Expected results Not achieved

5.2.95   SPT–09 (HTC Touch Pro 2)

Test Case SPT-09 Device Seizure 4.0	
Case Summary:	SPT-09 Acquire mobile device internal memory and review reported MMS multi-media related data (i.e., text, audio, graphics, video).
Assertions:	SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated audio shall be presented in a useable format. SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated graphic files shall be presented in a useable format. SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated video shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 08:44:19 EDT 2010
Device:	HTC_TouchPro2
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 08:44:19 EDT 2010 Acquisition finished: Wed Jul 28 08:48:22 EDT 2010 Audio MMS messages were not acquired Image MMS messages were not acquired Video MMS messages were not acquired
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-CA-21 Acquisition of audio MMS messages.</td><td>Not as expected</td></tr><tr><td>SPT-CA-22 Acquisition of graphic data image MMS messages.</td><td>Not as expected</td></tr><tr><td>SPT-CA-23 Acquisition of video MMS messages.</td><td>Not as expected</td></tr></table>
Analysis:	Expected results Not achieved

5.2.96   SPT–10 (HTC Touch Pro 2)

Test Case SPT–10 Device Seizure 4.0	
Case Summary:	SPT–10 Acquire mobile device internal memory and review reported stand–alone multi–media data (i.e., audio, graphics, video).
Assertions:	SPT–CA–24 If a cellular forensic tool completes acquisition of the target device without error then stand–alone audio files shall be presented in a useable format via either an internal application or suggested third–party application. SPT–CA–25 If a cellular forensic tool completes acquisition of the target device without error then stand–alone graphic files shall be presented in a useable format via either an internal application or suggested third–party application. SPT–CA–26 If a cellular forensic tool completes acquisition of the target device without error then stand–alone video files shall be presented in a useable format via either an internal application or suggested third–party application.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 08:48:45 EDT 2010
Device:	HTC_TouchPro2
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 08:48:45 EDT 2010 Acquisition finished: Wed Jul 28 08:57:41 EDT 2010 Audio files were not acquired Image files were not acquired Video files were not acquired
Results:	

Assertion & Expected Result	Actual Result
SPT–CA–24 Acquisition of stand–alone audio files.	Not as expected
SPT–CA–25 Acquisition of stand–alone graphic files.	Not as expected
SPT–CA–26 Acquisition of stand–alone video files.	Not as expected

Analysis:	Expected results Not achieved

5.2.97   SPT–11 (HTC Touch Pro 2)

Test Case SPT-11 Device Seizure 4.0	
Case Summary:	SPT-11 Acquire mobile device internal memory and review application related data (i.e., word documents, spreadsheet, presentation documents).
Assertions:	SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error then device specific application related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 08:58:00 EDT 2010
Device:	HTC_TouchPro2
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 08:58:00 EDT 2010 Acquisition finished: Wed Jul 28 09:01:44 EDT 2010 Application data was not acquired
Results:	<table><tr><td>Assertion & Expected Result</td><td>Actual Result</td></tr><tr><td>SPT-CA-27 Acquisition of application related data.</td><td>Not as expected</td></tr></table>
Analysis:	Expected results Not achieved

5.2.98   SPT–12 (HTC Touch Pro 2)

Test Case SPT-12 Device Seizure 4.0	
Case Summary:	SPT-12 Acquire mobile device internal memory and review Internet related data (i.e., bookmarks, visited sites.
Assertions:	SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 09:02:06 EDT 2010
Device:	HTC_TouchPro2
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 09:02:06 EDT 2010 Acquisition finished: Wed Jul 28 09:05:03 EDT 2010 All Internet related data was acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-28 Acquisition of Internet related data.	as expected

Analysis:	Expected results achieved

5.2.99 SPT–13 (HTC Touch Pro 2)

Test Case SPT-13 Device Seizure 4.0	
Case Summary:	SPT–13 Acquire mobile device internal memory by selecting a combination of supported data elements.
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with an "Select All" individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 09:05:27 EDT 2010
Device:	HTC_TouchPro2
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 09:05:27 EDT 2010 Acquisition finished: Wed Jul 28 09:07:25 EDT 2010 Acquire All acquisition was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-29 Acquire-All data objects acquisition.	as expected
SPT-CA-30 Select-All data objects acquisition.	as expected
SPT-CA-31 Select-Individual data objects acquisition.	as expected

Analysis:	Expected results achieved

5.2.100 SPT–24 (HTC Touch Pro 2)

Test Case SPT-24 Device Seizure 4.0	
Case Summary:	SPT-24 Acquire mobile device internal memory and review reported data via supported generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format via supported generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 09:08:57 EDT 2010
Device:	HTC_TouchPro2
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 09:08:57 EDT 2010 Acquisition finished: Wed Jul 28 09:11:45 EDT 2010 Complete representation of known data via generated reports was not successful **Notes**: When attempting to generate a report the following error occurs: Reporting error: Object reference not set to an instance of an object.
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-25 Comparison of known device data elements via generated reports.	Not as expected

Analysis:	Expected results Not achieved

5.2.101 SPT–25 (HTC Touch Pro 2)

Test Case SPT–25 Device Seizure 4.0	
Case Summary:	SPT-25 Acquire mobile device internal memory and review reported data via the preview pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format in a preview-pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 09:16:14 EDT 2010
Device:	HTC_TouchPro2
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 09:16:14 EDT 2010 Acquisition finished: Wed Jul 28 09:18:29 EDT 2010 Complete representation of known data via preview-pane was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-26 Comparison of known device data elements via preview-pane.	as expected

Analysis:	Expected results achieved

5.2.102 SPT–29 (HTC Touch Pro 2)

Test Case SPT-29 Device Seizure 4.0	
Case Summary:	SPT-29 After a successful mobile device internal memory, alter the case file via third-party means and attempt to re-open the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 09:18:57 EDT 2010
Device:	HTC_TouchPro2
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 09:18:57 EDT 2010 Acquisition finished: Wed Jul 28 09:22:57 EDT 2010 Notification of modified device memory data was successful
Results:	<table><tr><td>**Assertion & Expected Result**</td><td>**Actual Result**</td></tr><tr><td>SPT-AO-27 Notification of modified device case data.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.103 SPT–31 (HTC Touch Pro 2)

Test Case SPT-31 Device Seizure 4.0	
Case Summary:	SPT–31 Perform a physical acquisition and review data output for readability.
Assertions:	SPT–AO–31 If the cellular forensic tool supports a physical acquisition of the target device then the tool shall complete the acquisition without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 09:28:20 EDT 2010
Device:	HTC_TouchPro2
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 09:28:20 EDT 2010 Acquisition finished: Wed Jul 28 09:29:25 EDT 2010 Physical Acquisition: readability and completeness was not successful **Notes**: Data acquired from performing the physical acquisition was not decoded.

Results:	**Assertion & Expected Result**	**Actual Result**
	SPT–AO–31 Physical acquisition, data is presented in a useable format.	Not as expected
Analysis:	Expected results Not achieved	

5.2.104 SPT–33 (HTC Touch Pro 2)

Test Case SPT-33 Device Seizure 4.0	
Case Summary:	SPT–33 Acquire mobile device internal memory and review data containing non–ASCII characters.
Assertions:	SPT–AO–40 If the cellular forensic tool supports display of non–ASCII characters then the application should present address book entries in their native format. SPT–AO–41 If the cellular forensic tool supports proper display of non–ASCII characters then the application should present text messages in their native format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 09:23:52 EDT 2010
Device:	HTC_TouchPro2
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 09:23:52 EDT 2010 Acquisition finished: Wed Jul 28 09:26:03 EDT 2010 Non–ASCII Address book entries were acquired and properly displayed Non–ASCII text messages were not acquired
Results:	<table><tr><td>**Assertion & Expected Result**</td><td>**Actual Result**</td></tr><tr><td>SPT–AO–40 Acquisition of non–ASCII address book entries/ADNs.</td><td>as expected</td></tr><tr><td>SPT–AO–41 Acquisition of non–ASCII text messages.</td><td>NA</td></tr></table>
Analysis:	Expected results achieved

5.2.105 SPT–38 (HTC Touch Pro 2)

Test Case SPT-38 Device Seizure 4.0	
Case Summary:	SPT-38 Acquire mobile device internal memory and review hash values for vendor supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 09:27:11 EDT 2010
Device:	HTC_TouchPro2
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 09:27:11 EDT 2010 Acquisition finished: Wed Jul 28 09:27:46 EDT 2010 Hash values were properly reported for individually acquired device data elements
Results:	<table><tr><td>**Assertion & Expected Result**</td><td>**Actual Result**</td></tr><tr><td>SPT-AO-43 Acquire data, check known hash values for consistency.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.106 SPT–01 (Blackberry 9630)

Test Case SPT-01 Device Seizure 4.0	
Case Summary:	SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview-pane or generated report. SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a "Select All" individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 12:13:11 EDT 2010
Device:	Blackberry_9630
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 12:13:11 EDT 2010 Acquisition finished: Wed Jul 28 12:18:08 EDT 2010 Device connectivity was established via supported interface

Results:	Assertion & Expected Result	Actual Result
	SPT-CA-01 Device connectivity via supported interfaces.	as expected
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
	SPT-CA-29 Acquire-All data objects acquisition.	as expected
	SPT-CA-30 Select-All data objects acquisition.	as expected
	SPT-CA-31 Select-Individual data objects acquisition.	as expected
	SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.	as expected
Analysis:	Expected results achieved	

5.2.107 SPT–02 (Blackberry 9630)

Test Case SPT–02 Device Seizure 4.0	
Case Summary:	SPT–02 Attempt internal memory acquisition of a non–supported mobile device.
Assertions:	SPT–CA–02 If a cellular forensic tool attempts to connect to a non–supported device then the tool shall notify the user that the device is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 12:18:38 EDT 2010
Device:	non_supported_device
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 12:18:38 EDT 2010 Acquisition finished: Wed Jul 28 12:19:45 EDT 2010 Identification of non-supported devices was successful
Results:	

Assertion & Expected Result	Actual Result
SPT–CA–02 Identification of non-supported devices.	as expected

Analysis:	Expected results achieved

5.2.108 SPT–03 (Blackberry 9630)

Test Case SPT–03 Device Seizure 4.0	
Case Summary:	SPT–03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 12:22:40 EDT 2010
Device:	Blackberry_9630
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 12:22:40 EDT 2010 Acquisition finished: Wed Jul 28 12:30:46 EDT 2010 Device acquisition disruption notification was not successful
Results:	

Assertion & Expected Result	Actual Result
SPT–CA–03 Notification of device acquisition disruption.	Not as expected

Analysis:	Expected results Not achieved

5.2.109 SPT–04 (Blackberry 9630)

Test Case SPT-04 Device Seizure 4.0	
Case Summary:	SPT-04 Acquire mobile device internal memory and review reported data via the preview–pane or generated reports for readability.
Assertions:	SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview–pane or generated report.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 12:31:51 EDT 2010
Device:	Blackberry_9630
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 12:31:51 EDT 2010 Acquisition finished: Wed Jul 28 12:35:22 EDT 2010 Readability and completeness of acquired data was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected

Analysis:	Expected results achieved

5.2.110 SPT–05 (Blackberry 9630)

Test Case SPT–05 Device Seizure 4.0	
Case Summary:	SPT–05 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).
Assertions:	SPT–CA–05 If a cellular forensic tool completes acquisition of the target device without error then subscriber–related information shall be presented in a useable format. SPT–CA–06 If a cellular forensic tool completes acquisition of the target device without error then equipment related information shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 12:35:51 EDT 2010
Device:	Blackberry_9630
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 12:35:51 EDT 2010 Acquisition finished: Wed Jul 28 12:40:58 EDT 2010 IMEI, MEID/ESN were not acquired
Results:	

Assertion & Expected Result	Actual Result
SPT–CA–05 Acquisition of MSISDN, IMSI.	Not as expected
SPT–CA–06 Acquisition of IMEI/MEID/ESN.	Not as expected

Analysis:	Expected results Not achieved

5.2.111 SPT–06 (Blackberry 9630)

Test Case SPT-06 Device Seizure 4.0	
Case Summary:	SPT-06 Acquire mobile device internal memory and review reported PIM related data.
Assertions:	SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error then address book entries shall be presented in a useable format. SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error then maximum length address book entries shall be presented in a useable format. SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing special characters shall be presented in a useable format. SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing blank names shall be presented in a useable format. SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error then email addresses associated with address book entries shall be presented in a useable format. SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error then graphics associated with address book entries shall be presented in a useable format. SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error then datebook, calendar, note entries shall be presented in a useable format. SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error then maximum length datebook, calendar, note entries shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 12:41:36 EDT 2010
Device:	Blackberry_9630
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 12:41:36 EDT 2010 Acquisition finished: Wed Jul 28 13:07:25 EDT 2010 Regular Length Address Book entries were acquired Maximum Length Address Book entries were acquired Special Character Address Book entries were acquired Blank Name Address Book entries were acquire Email addresses within Address Book entries were acquired Embedded graphics within Address Book entries were not acquired ALL PIM related data was acquired

Results:

Assertion & Expected Result	Actual Result
SPT-CA-07 Acquisition of address book entries.	as expected
SPT-CA-08 Acquisition of maximum length address book entries.	as expected
SPT-CA-09 Acquisition of address book entries containing special characters.	as expected
SPT-CA-10 Acquisition of address book entries containing a blank name entry.	as expected
SPT-CA-11 Acquisition of embedded email addresses within address book entries.	as expected
SPT-CA-12 Acquisition of embedded graphics within address book entries.	Not as expected
SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	as expected
SPT-CA-14 Acquisition of maximum length PIM data.	as expected

Test Case SPT-06 Device Seizure 4.0	
Analysis:	Partial results achieved

5.2.112 SPT–07 (Blackberry 9630)

Test Case SPT-07 Device Seizure 4.0	
Case Summary:	SPT-07 Acquire mobile device internal memory and review reported call logs.
Assertions:	SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error then call logs (incoming/outgoing/missed) shall be presented in a useable format. SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 13:34:04 EDT 2010
Device:	Blackberry_9630
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 13:34:04 EDT 2010 Acquisition finished: Wed Jul 28 13:39:59 EDT 2010 All Call Logs (incoming, outgoing, missed) were acquired All Call Log date/time stamps data were correctly reported
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-15 Acquisition of call logs.	as expected
SPT-CA-16 Acquisition of call log date/time stamps.	as expected

Analysis:	Expected results achieved

5.2.113 SPT–08 (Blackberry 9630)

Test Case SPT-08 Device Seizure 4.0	
Case Summary:	SPT-08 Acquire mobile device internal memory and review reported text messages.
Assertions:	SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format. SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps for text messages shall be presented in a useable format. SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 13:41:18 EDT 2010
Device:	Blackberry_9630
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 13:41:18 EDT 2010 Acquisition finished: Wed Jul 28 13:42:14 EDT 2010 ALL text messages (SMS, EMS) were acquired Correct date/time stamps were reported for all text messages Correct status flags were reported for all text messages Sender and Recipient phone numbers associated with text messages were correctly reported

Results:	Assertion & Expected Result	Actual Result
	SPT-CA-17 Acquisition of text messages.	as expected
	SPT-CA-18 Acquisition of text message date/time stamps.	as expected
	SPT-CA-19 Acquisition of text message status flags.	as expected
	SPT-CA-20 Acquisition of sender/recipient phone number associated with text messages.	as expected

Analysis:	Expected results achieved

5.2.114 SPT–09 (Blackberry 9630)

Test Case SPT-09 Device Seizure 4.0	
Case Summary:	SPT-09 Acquire mobile device internal memory and review reported MMS multi-media related data (i.e., text, audio, graphics, video).
Assertions:	SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated audio shall be presented in a useable format. SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated graphic files shall be presented in a useable format. SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated video shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 13:42:46 EDT 2010
Device:	Blackberry_9630
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 13:42:46 EDT 2010 Acquisition finished: Wed Jul 28 13:46:44 EDT 2010 Partial audio MMS messages were acquired Partial image MMS messages were acquired Partial video MMS messages were acquired **Notes**: The attached audio, video and graphics files were not acquired.
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-CA-21 Acquisition of audio MMS messages.</td><td>Partial</td></tr><tr><td>SPT-CA-22 Acquisition of graphic data image MMS messages.</td><td>Partial</td></tr><tr><td>SPT-CA-23 Acquisition of video MMS messages.</td><td>Partial</td></tr></table>
Analysis:	Partial results achieved

5.2.115 SPT–10 (Blackberry 9630)

Test Case SPT-10 Device Seizure 4.0	
Case Summary:	SPT-10 Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).
Assertions:	SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 13:47:52 EDT 2010
Device:	Blackberry_9630
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 13:47:52 EDT 2010 Acquisition finished: Wed Jul 28 13:49:50 EDT 2010 Audio files were not acquired Image files were not acquired Video files were not acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-24 Acquisition of stand-alone audio files.	Not as expected
SPT-CA-25 Acquisition of stand-alone graphic files.	Not as expected
SPT-CA-26 Acquisition of stand-alone video files.	Not as expected

Analysis:	Expected results Not achieved

5.2.116 SPT–11 (Blackberry 9630)

Test Case SPT-11 Device Seizure 4.0	
Case Summary:	SPT-11 Acquire mobile device internal memory and review application related data (i.e., word documents, spreadsheet, presentation documents).
Assertions:	SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error then device specific application related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 13:50:39 EDT 2010
Device:	Blackberry_9630
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 13:50:39 EDT 2010 Acquisition finished: Wed Jul 28 13:52:01 EDT 2010 Application data was not acquired
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-CA-27 Acquisition of application related data.</td><td>Not as expected</td></tr></table>
Analysis:	Expected results Not achieved

5.2.117 SPT–12 (Blackberry 9630)

Test Case SPT-12 Device Seizure 4.0	
Case Summary:	SPT-12 Acquire mobile device internal memory and review Internet related data (i.e., bookmarks, visited sites.
Assertions:	SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 13:53:50 EDT 2010
Device:	Blackberry_9630
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 13:53:50 EDT 2010 Acquisition finished: Wed Jul 28 13:55:12 EDT 2010 Internet related data was not acquired
Results:	<table><tr><td>**Assertion & Expected Result**</td><td>**Actual Result**</td></tr><tr><td>SPT-CA-28 Acquisition of Internet related data.</td><td>Not as expected</td></tr></table>
Analysis:	Expected results Not achieved

5.2.118 SPT–13 (Blackberry 9630)

Test Case SPT-13 Device Seizure 4.0	
Case Summary:	SPT-13 Acquire mobile device internal memory by selecting a combination of supported data elements.
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with an "Select All" individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 13:55:42 EDT 2010
Device:	Blackberry_9630
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 13:55:42 EDT 2010 Acquisition finished: Wed Jul 28 14:03:40 EDT 2010 Acquire All acquisition was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-29 Acquire-All data objects acquisition.	as expected
SPT-CA-30 Select-All data objects acquisition.	as expected
SPT-CA-31 Select-Individual data objects acquisition.	as expected

Analysis:	Expected results achieved

5.2.119 SPT–24 (Blackberry 9630)

Test Case SPT-24 Device Seizure 4.0	
Case Summary:	SPT–24 Acquire mobile device internal memory and review reported data via supported generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format via supported generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 14:05:59 EDT 2010
Device:	Blackberry_9630
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 14:05:59 EDT 2010 Acquisition finished: Wed Jul 28 14:09:54 EDT 2010 Complete representation of known data via generated reports was successful

Results:		
	Assertion & Expected Result	**Actual Result**
	SPT-AO-25 Comparison of known device data elements via generated reports.	as expected

Analysis:	Expected results achieved

5.2.120 SPT–25 (Blackberry 9630)

Test Case SPT-25 Device Seizure 4.0	
Case Summary:	SPT-25 Acquire mobile device internal memory and review reported data via the preview pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format in a preview-pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 14:10:23 EDT 2010
Device:	Blackberry_9630
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 14:10:23 EDT 2010 Acquisition finished: Wed Jul 28 14:12:48 EDT 2010 Complete representation of known data via preview-pane was successful
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-AO-26 Comparison of known device data elements via preview-pane.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.121 SPT–29 (Blackberry 9630)

Test Case SPT-29 Device Seizure 4.0	
Case Summary:	SPT-29 After a successful mobile device internal memory, alter the case file via third-party means and attempt to re-open the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 14:13:19 EDT 2010
Device:	Blackberry_9630
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 14:13:19 EDT 2010 Acquisition finished: Wed Jul 28 14:16:56 EDT 2010 Notification of modified device memory data was successful

Results:	**Assertion & Expected Result**	**Actual Result**
	SPT-AO-27 Notification of modified device case data.	as expected
Analysis:	Expected results achieved	

5.2.122 SPT–33 (Blackberry 9630)

Test Case SPT-33 Device Seizure 4.0	
Case Summary:	SPT–33 Acquire mobile device internal memory and review data containing non–ASCII characters.
Assertions:	SPT-AO–40 If the cellular forensic tool supports display of non–ASCII characters then the application should present address book entries in their native format. SPT-AO–41 If the cellular forensic tool supports proper display of non–ASCII characters then the application should present text messages in their native format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 14:17:21 EDT 2010
Device:	Blackberry_9630
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 14:17:21 EDT 2010 Acquisition finished: Wed Jul 28 14:21:11 EDT 2010 Non–ASCII Address book entries were not acquired Non–ASCII text messages were not acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-AO–40 Acquisition of non–ASCII address book entries/ADNs.	Not as expected
SPT-AO–41 Acquisition of non–ASCII text messages.	Not as expected

Analysis:	Expected results Not achieved

5.2.123 SPT–38 (Blackberry 9630)

Test Case SPT–38 Device Seizure 4.0	
Case Summary:	SPT–38 Acquire mobile device internal memory and review hash values for vendor supported data objects.
Assertions:	SPT–AO–43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 28 14:26:17 EDT 2010
Device:	Blackberry_9630
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Wed Jul 28 14:26:17 EDT 2010 Acquisition finished: Wed Jul 28 14:28:11 EDT 2010 Hash values were properly reported for individually acquired device data elements
Results:	

Assertion & Expected Result	Actual Result
SPT–AO–43 Acquire data, check known hash values for consistency.	as expected

Analysis:	Expected results achieved

5.2.124 SPT–01 (Palm pixi)

Test Case SPT-01 Device Seizure 4.0	
Case Summary:	SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview-pane or generated report. SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a "Select All" individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jul 29 12:42:53 EDT 2010
Device:	Palm_pixi
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Thu Jul 29 12:42:53 EDT 2010 Acquisition finished: Thu Jul 29 12:44:54 EDT 2010 Device connectivity was established via supported interface

Results:		
	Assertion & Expected Result	**Actual Result**
	SPT-CA-01 Device connectivity via supported interfaces.	as expected
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
	SPT-CA-29 Acquire-All data objects acquisition.	as expected
	SPT-CA-30 Select-All data objects acquisition.	as expected
	SPT-CA-31 Select-Individual data objects acquisition.	as expected
	SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.	as expected

Analysis:	Expected results achieved

5.2.125 SPT–02 (Palm pixi)

Test Case SPT-02 Device Seizure 4.0	
Case Summary:	SPT-02 Attempt internal memory acquisition of a non-supported mobile device.
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to connect to a non-supported device then the tool shall notify the user that the device is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jul 29 12:45:37 EDT 2010
Device:	non_supported_device
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Thu Jul 29 12:45:37 EDT 2010 Acquisition finished: Thu Jul 29 12:47:22 EDT 2010 Identification of non-supported devices was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-02 Identification of non-supported devices.	as expected

Analysis:	Expected results achieved

5.2.126 SPT–03 (Palm pixi)

Test Case SPT-03 Device Seizure 4.0	
Case Summary:	SPT-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jul 29 12:47:45 EDT 2010
Device:	Palm_pixi
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Thu Jul 29 12:47:45 EDT 2010 Acquisition finished: Thu Jul 29 12:55:04 EDT 2010 Device acquisition disruption notification was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-03 Notification of device acquisition disruption.	as expected

Analysis:	Expected results achieved

5.2.127 SPT–04 (Palm pixi)

Test Case SPT-04 Device Seizure 4.0	
Case Summary:	SPT-04 Acquire mobile device internal memory and review reported data via the preview-pane or generated reports for readability.
Assertions:	SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview-pane or generated report.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jul 29 12:55:41 EDT 2010
Device:	Palm_pixi
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Thu Jul 29 12:55:41 EDT 2010 Acquisition finished: Thu Jul 29 13:01:01 EDT 2010 Readability and completeness of acquired data was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected

Analysis:	Expected results achieved

5.2.128 SPT–05 (Palm pixi)

Test Case SPT-05 Device Seizure 4.0	
Case Summary:	SPT–05 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).
Assertions:	SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error then subscriber-related information shall be presented in a useable format. SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error then equipment related information shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jul 29 13:01:20 EDT 2010
Device:	Palm_pixi
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Thu Jul 29 13:01:20 EDT 2010 Acquisition finished: Thu Jul 29 13:07:07 EDT 2010 IMEI, MEID/ESN were not acquired
Results:	

Assertion & Expected Result	Actual Result
SPT–CA-05 Acquisition of MSISDN, IMSI.	Not as expected
SPT–CA-06 Acquisition of IMEI/MEID/ESN.	Not as expected

Analysis:	Expected results Not achieved

5.2.129 SPT–06 (Palm pixi)

Test Case SPT-06 Device Seizure 4.0	
Case Summary:	SPT-06 Acquire mobile device internal memory and review reported PIM related data.
Assertions:	SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error then address book entries shall be presented in a useable format. SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error then maximum length address book entries shall be presented in a useable format. SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing special characters shall be presented in a useable format. SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing blank names shall be presented in a useable format. SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error then email addresses associated with address book entries shall be presented in a useable format. SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error then graphics associated with address book entries shall be presented in a useable format. SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error then datebook, calendar, note entries shall be presented in a useable format. SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error then maximum length datebook, calendar, note entries shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jul 29 13:07:35 EDT 2010
Device:	Palm_pixi
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Thu Jul 29 13:07:35 EDT 2010 Acquisition finished: Thu Jul 29 13:11:43 EDT 2010 Regular Length Address Book entries were acquired Maximum Length Address Book entries were acquired Special Character Address Book entries were acquired Blank Name Address Book entries were acquire Email addresses within Address Book entries were acquired Embedded graphics within Address Book entries were not acquired ALL PIM related data was acquired

Results:		
	Assertion & Expected Result	**Actual Result**
	SPT-CA-07 Acquisition of address book entries.	as expected
	SPT-CA-08 Acquisition of maximum length address book entries.	as expected
	SPT-CA-09 Acquisition of address book entries containing special characters.	as expected
	SPT-CA-10 Acquisition of address book entries containing a blank name entry.	as expected
	SPT-CA-11 Acquisition of embedded email addresses within address book entries.	as expected
	SPT-CA-12 Acquisition of embedded graphics within address book entries.	Not as expected
	SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	as expected
	SPT-CA-14 Acquisition of maximum length PIM data.	as expected

Test Case SPT-06 Device Seizure 4.0	
Analysis:	Partial results achieved

5.2.130 SPT–07 (Palm pixi)

Test Case SPT-07 Device Seizure 4.0	
Case Summary:	SPT-07 Acquire mobile device internal memory and review reported call logs.
Assertions:	SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error then call logs (incoming/outgoing/missed) shall be presented in a useable format. SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jul 29 13:12:44 EDT 2010
Device:	Palm_pixi
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Thu Jul 29 13:12:44 EDT 2010 Acquisition finished: Thu Jul 29 13:15:16 EDT 2010 All Call Logs (incoming, outgoing, missed) were acquired All Call Log date/time stamps data were correctly reported **Notes**: The duration of the call is not specified if it is seconds, minutes, or hours.
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-15 Acquisition of call logs.	Partial
SPT-CA-16 Acquisition of call log date/time stamps.	Partial

Analysis:	Partial results achieved

5.2.131 SPT–08 (Palm pixi)

Test Case SPT-08 Device Seizure 4.0	
Case Summary:	SPT-08 Acquire mobile device internal memory and review reported text messages.
Assertions:	SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format. SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps for text messages shall be presented in a useable format. SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jul 29 13:15:58 EDT 2010
Device:	Palm_pixi
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Thu Jul 29 13:15:58 EDT 2010 Acquisition finished: Thu Jul 29 13:21:58 EDT 2010 ALL text messages (SMS, EMS) were acquired Correct date/time stamps were reported for all text messages Correct status flags were reported for all text messages Sender and Recipient phone numbers associated with text messages were correctly reported

Results:	Assertion & Expected Result	Actual Result
	SPT-CA-17 Acquisition of text messages.	as expected
	SPT-CA-18 Acquisition of text message date/time stamps.	as expected
	SPT-CA-19 Acquisition of text message status flags.	as expected
	SPT-CA-20 Acquisition of sender/recipient phone number associated with text messages.	as expected

Analysis:	Expected results achieved

5.2.132 SPT–09 (Palm pixi)

Test Case SPT–09 Device Seizure 4.0	
Case Summary:	SPT-09 Acquire mobile device internal memory and review reported MMS multi-media related data (i.e., text, audio, graphics, video).
Assertions:	SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated audio shall be presented in a useable format. SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated graphic files shall be presented in a useable format. SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated video shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jul 29 13:23:35 EDT 2010
Device:	Palm_pixi
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Thu Jul 29 13:23:35 EDT 2010 Acquisition finished: Thu Jul 29 13:27:03 EDT 2010 Audio MMS messages were not acquired Image MMS messages were not acquired Video MMS messages were not acquired
Results:	

Assertion & Expected Result	Actual Result
SPT–CA–21 Acquisition of audio MMS messages.	Not as expected
SPT–CA–22 Acquisition of graphic data image MMS messages.	Not as expected
SPT–CA–23 Acquisition of video MMS messages.	Not as expected

Analysis:	Expected results Not achieved

5.2.133 SPT–10 (Palm pixi)

Test Case SPT-10 Device Seizure 4.0	
Case Summary:	SPT-10 Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).
Assertions:	SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jul 29 13:29:18 EDT 2010
Device:	Palm_pixi
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Thu Jul 29 13:29:18 EDT 2010 Acquisition finished: Thu Jul 29 13:32:32 EDT 2010 ALL stand-alone data files (Audio, Image, Video) were acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-24 Acquisition of stand-alone audio files.	as expected
SPT-CA-25 Acquisition of stand-alone graphic files.	as expected
SPT-CA-26 Acquisition of stand-alone video files.	as expected

Analysis:	Expected results achieved

5.2.134 SPT–11 (Palm pixi)

Test Case SPT-11 Device Seizure 4.0	
Case Summary:	SPT-11 Acquire mobile device internal memory and review application related data (i.e., word documents, spreadsheet, presentation documents).
Assertions:	SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error then device specific application related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jul 29 13:32:53 EDT 2010
Device:	Palm_pixi
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Thu Jul 29 13:32:53 EDT 2010 Acquisition finished: Thu Jul 29 13:34:43 EDT 2010 Application data was not acquired
Results:	
Analysis:	Expected results Not achieved

Assertion & Expected Result	Actual Result
SPT-CA-27 Acquisition of application related data.	Not as expected

5.2.135 SPT–12 (Palm pixi)

Test Case SPT-12 Device Seizure 4.0	
Case Summary:	SPT-12 Acquire mobile device internal memory and review Internet related data (i.e., bookmarks, visited sites.
Assertions:	SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jul 29 13:34:59 EDT 2010
Device:	Palm_pixi
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Thu Jul 29 13:34:59 EDT 2010 Acquisition finished: Thu Jul 29 13:37:05 EDT 2010 All Internet related data was acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-28 Acquisition of Internet related data.	as expected

Analysis:	Expected results achieved

5.2.136 SPT–13 (Palm pixi)

Test Case SPT–13 Device Seizure 4.0	
Case Summary:	SPT–13 Acquire mobile device internal memory by selecting a combination of supported data elements.
Assertions:	SPT-CA-30 If a cellular forensic tool provides the user with an "Select All" individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jul 29 13:37:21 EDT 2010
Device:	Palm_pixi
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Thu Jul 29 13:37:21 EDT 2010 Acquisition finished: Thu Jul 29 13:39:20 EDT 2010 Select All acquisition was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-30 Select–All data objects acquisition.	as expected

Analysis:	Expected results achieved

5.2.137 SPT–24 (Palm pixi)

Test Case SPT-24 Device Seizure 4.0	
Case Summary:	SPT-24 Acquire mobile device internal memory and review reported data via supported generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format via supported generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jul 29 13:39:59 EDT 2010
Device:	Palm_pixi
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Thu Jul 29 13:39:59 EDT 2010 Acquisition finished: Thu Jul 29 13:57:07 EDT 2010 Complete representation of known data via generated reports was successful
Results:	<table><tr><td>**Assertion & Expected Result**</td><td>**Actual Result**</td></tr><tr><td>SPT-AO-25 Comparison of known device data elements via generated reports.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.138 SPT–25 (Palm pixi)

Test Case SPT–25 Device Seizure 4.0	
Case Summary:	SPT-25 Acquire mobile device internal memory and review reported data via the preview pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format in a preview-pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jul 29 13:57:42 EDT 2010
Device:	Palm_pixi
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Thu Jul 29 13:57:42 EDT 2010 Acquisition finished: Thu Jul 29 13:58:41 EDT 2010 Complete representation of known data via preview-pane was successful

Results:		
	Assertion & Expected Result	**Actual Result**
	SPT-AO-26 Comparison of known device data elements via preview-pane.	as expected

Analysis:	Expected results achieved

5.2.139 SPT–29 (Palm pixi)

Test Case SPT-29 Device Seizure 4.0	
Case Summary:	SPT-29 After a successful mobile device internal memory, alter the case file via third-party means and attempt to re-open the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jul 29 13:59:11 EDT 2010
Device:	Palm_pixi
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Thu Jul 29 13:59:11 EDT 2010 Acquisition finished: Thu Jul 29 14:01:26 EDT 2010 Notification of modified device memory data was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-27 Notification of modified device case data.	as expected

Analysis:	Expected results achieved

5.2.140 SPT–33 (Palm pixi)

Test Case SPT-33 Device Seizure 4.0	
Case Summary:	SPT–33 Acquire mobile device internal memory and review data containing non–ASCII characters.
Assertions:	SPT–AO–40 If the cellular forensic tool supports display of non–ASCII characters then the application should present address book entries in their native format. SPT–AO–41 If the cellular forensic tool supports proper display of non–ASCII characters then the application should present text messages in their native format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jul 29 14:01:59 EDT 2010
Device:	Palm_pixi
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Thu Jul 29 14:01:59 EDT 2010 Acquisition finished: Thu Jul 29 14:05:28 EDT 2010 Non–ASCII Address book entries were acquired and properly displayed Non–ASCII text messages were acquired and properly displayed
Results:	

Assertion & Expected Result	Actual Result
SPT–AO–40 Acquisition of non–ASCII address book entries/ADNs.	as expected
SPT–AO–41 Acquisition of non–ASCII text messages.	as expected

Analysis:	Expected results achieved

5.2.141 SPT–38 (Palm pixi)

Test Case SPT-38 Device Seizure 4.0	
Case Summary:	SPT-38 Acquire mobile device internal memory and review hash values for vendor supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jul 29 14:06:08 EDT 2010
Device:	Palm_pixi
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Device Seizure Version 4.0 Acquisition started: Thu Jul 29 14:06:08 EDT 2010 Acquisition finished: Tue Jul 29 14:09:04 EDT 2010 Hash values were properly reported for individually acquired device data elements
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-43 Acquire data, check known hash values for consistency.	as expected

Analysis:	Expected results achieved

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1. Partner with state and local practitioners and policymakers to identify social science research and technology needs.
2. Create scientific, relevant, and reliable knowledge—with a particular emphasis on terrorism, violent crime, drugs and crime, cost-effectiveness, and community-based efforts—to enhance the administration of justice and public safety.
3. Develop affordable and effective tools and technologies to enhance the administration of justice and public safety.

Dissemination

4. Disseminate relevant knowledge and information to practitioners and policymakers in an understandable, timely and concise manner.
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