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Special **REPORT**

Test Results for Mobile Device Acquisition Tool: XRY 5.0.2

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Director, National Institute of Justice

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November 2010

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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 department of Homeland Security (DHS), and the National Institute of Standards and Technology Office of Law Enforcement Standards (OLES) and Information Technology Laboratory (ITL). 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 XRY, version 5.0.2, 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: Micro Systemation XRY/XACT
Version: 5.0.2

Run Environment: Windows XP Service Pack 2

Supplier: MSAB INC
Address: House of Sweden, 2900 K-Street NW, Suite 501, Washington DC, 20007

Tel: 202-536-1590
Fax: 888-395-9027
WWW: http://www.msab.com

1 Results Summary

Except for the following test cases: SPT-03 (iPhone 3Gs), SPT-31 (iPhone 3Gs), SPT-07 (Blackberry Bold 9700), SPT-09 (Blackberry Bold 9700, Blackberry 9630), SPT-32 (HTC Touch Pro 2), SPT-10 (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 e71x, HTC Touch Pro 2, Blackberry 9630). The exceptions were the following:

- Notification of device acquisition disruption was not successful. Test Case: SPT-03 (iPhone 3Gs)
- Physical acquisition ended in errors. Test Case: SPT-31 (iPhone 2G)
- Acquisition of call log data was not successful. Test Case: SPT-07 (Blackberry Bold 9700)
- Acquisition of MMS-related data was not successful. Test Case: SPT-09 (Blackberry Bold 9700, Blackberry 9630)
- Recovery of deleted SMS and EMS messages was not successful. Test Case: SPT-32 (HTC Touch Pro 2)
- Video files are not acquired. Test Case: SPT-10 (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 bases 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-1e) list the test cases available in XRY. Tables (2a-2e) list the test cases not available in XRY.

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-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
Acquire SIM memory and review reported data via the preview-pane.	SPT-27

Supported Test Cases	Cases Selected for Execution
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
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 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
Acquire mobile device internal memory and review hash values for vendor supported data objects.	SPT-38

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

Unsupported Test Cases	Cases omitted - not executed
Acquire mobile device internal memory and review application related data (i.e., word documents, spreadsheet, presentation documents).	SPT-11
Perform a physical acquisition and review reports for recoverable deleted data.	SPT-32
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 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-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
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

Supported Test Cases	Cases Selected for Execution
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
Acquire mobile device internal memory and review hash values for vendor supported data objects.	SPT-38

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

Unsupported Test Cases	Cases omitted - not executed
Acquire mobile device internal memory and review Internet related data (i.e., bookmarks, visited sites.	SPT-12
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
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 1c: Selected Test Cases (Nokia e71x)

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-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	SPT-21

Supported Test Cases	Cases Selected for Execution
messages (SMS, EMS).	
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
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
Acquire mobile device internal memory and review hash values for vendor supported data objects.	SPT-38

Table 2c: Omitted Test Cases (Nokia e71x)

Unsupported Test Cases	Cases omitted - not executed
Acquire mobile device internal memory and review Internet related data (i.e., bookmarks, visited sites.	SPT-12
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
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 1d: Selected Test Cases (HTC Touch Pro 2)

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
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
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
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 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-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 mobile device internal memory and review Internet related data (i.e., bookmarks, visited sites.	SPT-12
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

Unsupported Test Cases	Cases omitted - not executed
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

3 Results by Test Assertion

Tables 3a – 3e 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	3.1
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	
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	1	

Assertions Tested	Tests	Anomaly
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.	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	
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	1	

Assertions Tested	Tests	Anomaly
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.	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 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	1	

Assertions Tested	Tests	Anomaly
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.	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	
SPT-AO-25 If a cellular forensic tool completes acquisition of the target device / SIM 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 of the target device / SIM 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	
SPT-AO-29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts then the application should	1	

Assertions Tested	Tests	Anomaly
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.	1	
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	3.2
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-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 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 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	
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	1	

Assertions Tested	Tests	Anomaly
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.	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	
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	3.3
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	3.4
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	3.4
SPT-CA-23 If a cellular forensic tool completes acquisition of the target	1	3.4

Assertions Tested	Tests	Anomaly
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.	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	
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 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	1	

Assertions Tested	Tests	Anomaly
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.	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	
SPT-AO-25 If a cellular forensic tool completes acquisition of the target	2	

Assertions Tested	Tests	Anomaly
device / SIM without error then the tool shall present the acquired data in a useable format via supported generated report formats.		
SPT-AO-26 If a cellular forensic tool completes acquisition of the target device / SIM 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	
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.	1	
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.	1	
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.	1	

Table 3c: Assertions Tested: (Nokia e71x)

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	1	

Assertions Tested	Tests	Anomaly
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.	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	
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	1	

Assertions Tested	Tests	Anomaly
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.	1	
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	
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 format.	1	
SPT-AO-05 If a cellular forensic tool completes acquisition of the target	1	

Assertions Tested	Tests	Anomaly
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.	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 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	1	

Assertions Tested	Tests	Anomaly
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.	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 of the target device / SIM 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 of the target device / SIM 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	
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.	1	
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.	1	
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.	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	1	

Assertions Tested	Tests	Anomaly
forensic tool is disrupted then the tool shall notify the user that 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	
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	
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	
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-25 If a cellular forensic tool completes acquisition of the target	1	

Assertions Tested	Tests	Anomaly
device without error then the tool shall present the acquired data in a useable format via supported generated report formats.		
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-31 If the cellular forensic tool supports a physical acquisition of the target device then the tool shall complete the acquisition without error.	1	
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.	1	
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.	1	
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.	1	
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.	1	3.5
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.	1	3.5
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.	1	
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.	1	
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.	1	
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters then the application should present address book entries in	1	

Assertions Tested	Tests	Anomaly
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.	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	
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	

Assertions Tested	Tests	Anomaly
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	
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	3.4
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	3.4
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	3.4
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	1	3.6

Assertions Tested	Tests	Anomaly
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.	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-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-31 If the cellular forensic tool supports a physical acquisition of the target device then the tool shall complete the acquisition without error.	1	
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.	1	
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.	1	
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.	1	
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.	1	

Assertions Tested	Tests	Anomaly
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.	1	
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.	1	
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.	1	
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.	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-4e 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-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-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 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

Assertions Not Tested
Individual" SIM data objects for acquisition then the tool shall acquire each exclusive data object 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.
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 4b: Assertions Not Tested (Blackberry Bold 9700)

Assertions Not Tested
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-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 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-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.
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 e71x)

Assertions Not Tested
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-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.
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-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.

Assertions Not Tested
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-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.
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.
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

Assertions Not Tested
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-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-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-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-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-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.
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

Assertions Not Tested
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-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.
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.
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

Assertions Not Tested
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.
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.

Assertions Not Tested
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-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.
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.
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.
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.
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.
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.

Assertions Not Tested
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-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.
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-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.
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 – 3e.

3.1 Acquisition Disruption

Notification of device acquisition disruption was not successful for test case SPT-03 for the iPhone 3Gs. The acquisition was disrupted by removing the cable from the mobile device during acquisition.

3.2 Physical Acquisition

Physical acquisition of the iPhone 2G did not acquire any data and ended in errors for test case SPT-31. Below is the log file generated during the physical acquisition process.

```
Log of extraction process created by XRY (12 items)

Index:  1
Module: MAIN
Status: Success
Time:   8:49:47 AM
Message:        Initiating Process at 8:49

Index:  2
Module: MAIN
Status: Success
Time:   8:49:47 AM
Message:        XRY Version 5.0

Index:  3
Module: MAIN
Status: Success
Time:   8:49:47 AM
Message:        Connected to Apple iPhone 2G []

Index:  4
Module: MAIN
Status: Success
Time:   8:49:47 AM
Message:        Starting process of IDUMPER (5.0)

Index:  5
Module: IDUMPER
Status: Success
Time:   8:49:48 AM
Message:        Apple mobile device connected.

Index:  6
Module: IDUMPER
Status: Success
Time:   8:49:50 AM
Message:        User partition is 7 GB.

Index:  7
Module: IDUMPER
Status: Success
Time:   8:50:45 AM
Message:        Apple mobile device connected.

Index:  8
Module: IDUMPER
Status: Unsuccessful
Time:   8:52:01 AM
Message:        Failed to read blocks.
```

```
Index:  9
Module: IDUMPER
Status: Unsuccessful
Time:   8:53:01 AM
Message:       Failed to close disk.

Index:  10
Module: IDUMPER
Status: Unsuccessful
Time:   8:54:01 AM
Message:       Failed to open file for write

Index:  11
Module: IDUMPER
Status: Unsuccessful
Time:   8:54:01 AM
Message:       Failed to stop device session.

Index:  12
Module: MAIN
Status: Unsuccessful
Time:   8:54:01 AM
Message:       IDUMPER (5.0) completed with error
```

3.3 Acquisition of Call Logs

For test case SPT-07, incoming, outgoing and missed call data were not acquired from the Blackberry Bold 9700.

3.4 Acquisition of MMS related data

For test case SPT-09, the textual portion of MMS messages was not reported for the Blackberry Bold 9700 or Blackberry 9630.

For the Blackberry Bold 9700 supported graphics files were not reported and when attempting acquisition of video files the following error was produced:

```
Video files embedded in MMS messages produce the following error: Error-36: an I/O error
occurred (-1-0-01000045.mms\)
```

MMS video files were not reported for the Blackberry 9630.

3.5 Physical Acquisition of deleted text messages

For test case SPT-32, no deleted text messages (i.e., SMS, EMS) were recovered for the HTC Touch Pro 2.

3.6 Acquisition of Stand-alone data files

Stand-alone data files (i.e., video files) were not acquired from the Blackberry 9630 for test case SPT-10.

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
HTC	Tilt2	Windows Mobile 6.5	AT&T
Nokia	E71x	Symbian	AT&T
HTC	Touch Pro 2	Windows Mobile 6.1	Sprint
Blackberry	Tour 9630	Blackerry	Sprint
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
	Incoming Graphic
	Incoming Video
	Outgoing Audio
	Outgoing Graphic
	Outgoing Video

Data Objects	Data Elements
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 **Log File Highlights** box of the test report summary.

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)

<table>
<tr><td colspan="2">Test Case SPT-01 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue May 25 08:01:26 EDT 2010</td></tr>
<tr><td>Device:</td><td>iPhone3Gs</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systematio XRY/XACT Version 5.0.2
Acquisition started: Tue May 25 08:01:26 EDT 2010
Acquisition finished: Tue May 25 08:04:08 EDT 2010

Device connectivity was established via supported interface</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr>
<tr><td>SPT-CA-04 Readability and completeness of acquired data via supported reports.</td><td>as expected</td></tr>
<tr><td>SPT-CA-29 Acquire-All data objects acquisition.</td><td>as expected</td></tr>
<tr><td>SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.2 SPT-02 (iPhone 3Gs)

<table>
<tr><th colspan="2">Test Case SPT-02 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-02 Attempt internal memory acquisition of a non-supported mobile device.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue May 25 08:06:58 EDT 2010</td></tr>
<tr><td>Device:</td><td>unsupported_device</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue May 25 08:06:58 EDT 2010
Acquisition finished: Tue May 25 08:10:37 EDT 2010

Identification of non-supported devices was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-02 Identification of non-supported devices.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.3 SPT-03 (iPhone 3Gs)

<table>
<tr><td colspan="2">Test Case SPT-03 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue May 25 08:58:39 EDT 2010</td></tr>
<tr><td>Device:</td><td>iPhone3Gs</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue May 25 08:58:39 EDT 2010
Acquisition finished: Tue May 25 09:00:06 EDT 2010

Device acquisition disruption notification was not successful

<u>Notes</u>:
No warning messages are provided to the user that connectivity has been disrupted during acquisition.</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-03 Notification of device acquisition disruption.</td><td>Not as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results Not achieved</td></tr>
</table>

5.2.4 SPT-04 (iPhone 3Gs)

<table>
<tr><td colspan="2">Test Case SPT-04 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-04 Acquire mobile device internal memory and review reported data via the preview-pane or generated reports for readability.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue May 25 09:15:38 EDT 2010</td></tr>
<tr><td>Device:</td><td>iPhone3Gs</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue May 25 09:15:38 EDT 2010
Acquisition finished: Tue May 25 09:21:19 EDT 2010

Readability and completeness of acquired data was successful</td></tr>
<tr><td>Results:</td><td>
<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>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.5 SPT-05 (iPhone 3Gs)

<table>
<tr><th colspan="2">Test Case SPT-05 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-05 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue May 25 09:37:43 EDT 2010</td></tr>
<tr><td>Device:</td><td>iPhone3Gs</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue May 25 09:37:43 EDT 2010
Acquisition finished: Tue May 25 09:47:57 EDT 2010

Subscriber and Equipment related data (i.e., MSISDN, IMEI) were acquired</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-05 Acquisition of MSISDN, IMSI.</td><td>as expected</td></tr>
<tr><td>SPT-CA-06 Acquisition of IMEI/MEID/ESN.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.6 SPT-06 (iPhone 3Gs)

<table>
<tr><th colspan="2">Test Case SPT-06 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-06 Acquire mobile device internal memory and review reported PIM related data.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue May 25 09:53:57 EDT 2010</td></tr>
<tr><td>Device:</td><td>iPhone3Gs</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue May 25 09:53:57 EDT 2010
Acquisition finished: Tue May 25 09:57:01 EDT 2010

All address book entries were successfully acquired
ALL PIM related data was acquired</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-07 Acquisition of address book entries.</td><td>as expected</td></tr>
<tr><td>SPT-CA-08 Acquisition of maximum length address book entries.</td><td>as expected</td></tr>
<tr><td>SPT-CA-09 Acquisition of address book entries containing special characters.</td><td>as expected</td></tr>
<tr><td>SPT-CA-10 Acquisition of address book entries containing a blank name entry.</td><td>as expected</td></tr>
<tr><td>SPT-CA-11 Acquisition of embedded email addresses within address book entries.</td><td>as expected</td></tr>
<tr><td>SPT-CA-12 Acquisition of embedded graphics within address book entries.</td><td>as expected</td></tr>
<tr><td>SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).</td><td>as expected</td></tr>
<tr><td>SPT-CA-14 Acquisition of maximum length PIM data.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.7 SPT-07 (iPhone 3Gs)

<table>
<tr><th colspan="2">Test Case SPT-07 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-07 Acquire mobile device internal memory and review reported call logs.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue May 25 09:57:46 EDT 2010</td></tr>
<tr><td>Device:</td><td>iPhone3Gs</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue May 25 09:57:46 EDT 2010
Acquisition finished: Tue May 25 10:02:07 EDT 2010

All Call Logs (incoming, outgoing, missed) were acquired
All Call Log date/time stamps data were correctly reported</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-15 Acquisition of call logs.</td><td>as expected</td></tr>
<tr><td>SPT-CA-16 Acquisition of call log date/time stamps.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.8 SPT-08 (iPhone 3Gs)

<table>
<tr><td colspan="2">Test Case SPT-08 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-08 Acquire mobile device internal memory and review reported text messages.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue May 25 10:02:55 EDT 2010</td></tr>
<tr><td>Device:</td><td>iPhone3Gs</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue May 25 10:02:55 EDT 2010
Acquisition finished: Tue May 25 10:18:28 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</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-17 Acquisition of text messages.</td><td>as expected</td></tr>
<tr><td>SPT-CA-18 Acquisition of text message date/time stamps.</td><td>as expected</td></tr>
<tr><td>SPT-CA-19 Acquisition of text message status flags.</td><td>as expected</td></tr>
<tr><td>SPT-CA-20 Acquisition of sender/recipient phone number associated with text messages.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.9 SPT-09 (iPhone 3Gs)

<table>
<tr><td colspan="2">Test Case SPT-09 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-09 Acquire mobile device internal memory and review reported MMS multi-media related data (i.e., text, audio, graphics, video).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri May 28 08:30:33 EDT 2010</td></tr>
<tr><td>Device:</td><td>iPhone3Gs</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri May 28 08:30:33 EDT 2010
Acquisition finished: Fri May 28 09:27:16 EDT 2010

ALL MMS messages (Audio, Image, Video) were acquired</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-21 Acquisition of audio MMS messages.</td><td>as expected</td></tr>
<tr><td>SPT-CA-22 Acquisition of graphic data image MMS messages.</td><td>as expected</td></tr>
<tr><td>SPT-CA-23 Acquisition of video MMS messages.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.10 SPT-10 (iPhone 3Gs)

<table>
<tr><th colspan="2">Test Case SPT-10 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-10 Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri May 28 09:27:44 EDT 2010</td></tr>
<tr><td>Device:</td><td>iPhone3Gs</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri May 28 09:27:44 EDT 2010
Acquisition finished: Fri May 28 09:30:12 EDT 2010

ALL stand-alone data files (Audio, Image, Video) were acquired</td></tr>
<tr><td>Results:</td><td>
<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>as expected</td></tr>
<tr><td>SPT-CA-25 Acquisition of stand-alone graphic files.</td><td>as expected</td></tr>
<tr><td>SPT-CA-26 Acquisition of stand-alone video files.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.11 SPT-12 (iPhone 3Gs)

<table>
<tr><td colspan="2">Test Case SPT-12 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-12 Acquire mobile device internal memory and review Internet related data (i.e., bookmarks, visited sites.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri May 28 10:53:49 EDT 2010</td></tr>
<tr><td>Device:</td><td>iPhone3Gs</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri May 28 10:53:49 EDT 2010
Acquisition finished: Fri May 28 10:53:59 EDT 2010

All Internet related data was acquired</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-28 Acquisition of Internet related data.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.12 SPT-13 (iPhone 3Gs)

Test Case SPT-13 XRY/XACT Version 5.0.2	
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:	Fri May 28 10:54:18 EDT 2010
Device:	iPhone3Gs
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri May 28 10:54:18 EDT 2010 Acquisition finished: Fri May 28 10:55:00 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

5.2.13 SPT-14 (iPhone 3Gs)

<table>
<tr><td colspan="2">Test Case SPT-14 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-14 Acquire SIM memory over supported interfaces (e.g., PC/SC reader).</td></tr>
<tr><td>Assertions:</td><td>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).</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue Jun 1 08:58:15 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue Jun 1 08:58:15 EDT 2010
Acquisition finished: Tue Jun 1 09:00:20 EDT 2010

Media connectivity was established via supported interface</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-01 SIM connectivity via supported interfaces.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.14 SPT-15 (iPhone 3Gs)

<table>
<tr><th colspan="2">Test Case SPT-15 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-15 Attempt acquisition of a non-supported SIM.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue Jun 1 09:01:13 EDT 2010</td></tr>
<tr><td>Device:</td><td>unsupported_sim</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue Jun 1 09:01:13 EDT 2010
Acquisition finished: Tue Jun 1 09:02:59 EDT 2010

Identification of non-supported media was successful</td></tr>
<tr><td>Results:</td><td>
<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>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.15 SPT-16 (iPhone 3Gs)

<table>
<tr><th colspan="2">Test Case SPT-16 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-16 Begin SIM acquisition and interrupt connectivity by interface disengagement.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue Jun 1 09:03:26 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue Jun 1 09:03:26 EDT 2010
Acquisition finished: Tue Jun 1 09:09:49 EDT 2010

Media acquisition disruption notification was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-03 Notification of SIM acquisition disruption.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.16 SPT-17 (iPhone 3Gs)

<table>
<tr><td colspan="2">Test Case SPT-17 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-17 Acquire SIM memory and review reported subscriber and equipment related information (i.e., SPN, ICCID, IMSI, MSISDN).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue Jun 1 09:10:08 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue Jun 1 09:10:08 EDT 2010
Acquisition finished: Tue Jun 1 09:17:40 EDT 2010

All subscriber-related data (i.e., SPN, ICCID, IMSI, MSISDN) was acquired</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-04 Acquisition of SPN.</td><td>as expected</td></tr>
<tr><td>SPT-AO-05 Acquisition of ICCID.</td><td>as expected</td></tr>
<tr><td>SPT-AO-06 Acquisition of IMSI.</td><td>as expected</td></tr>
<tr><td>SPT-AO-07 Acquisition of MSISDN.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.17 SPT-18 (iPhone 3Gs)

<table>
<tr><th colspan="2">Test Case SPT-18 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-18 Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue Jun 1 12:33:19 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue Jun 1 12:33:19 EDT 2010
Acquisition finished: Tue Jun 1 12:38:04 EDT 2010

All ADNs were acquired</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-08 Acquisition of ADNs.</td><td>as expected</td></tr>
<tr><td>SPT-AO-09 Acquisition of maximum length ADNs.</td><td>as expected</td></tr>
<tr><td>SPT-AO-10 Acquisition of special character ADNs.</td><td>as expected</td></tr>
<tr><td>SPT-AO-11 Acquisition of blank name ADNs.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.18 SPT-19 (iPhone 3Gs)

<table>
<tr><td colspan="2">Test Case SPT-19 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-19 Acquire SIM memory and review reported Last Numbers Dialed (LND).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue Jun 1 12:38:23 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue Jun 1 12:38:23 EDT 2010
Acquisition finished: Tue Jun 1 13:24:59 EDT 2010

LNDs were acquired
Date/Time Stamps correctly reported for LNDs</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-12 Acquisition of LNDs.</td><td>as expected</td></tr>
<tr><td>SPT-AO-13 Acquisition of LND date/time stamps.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.19 SPT-20 (iPhone 3Gs)

<table>
<tr><td colspan="2">Test Case SPT-20 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-20 Acquire SIM memory and review reported text messages (SMS, EMS).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue Jun 1 13:25:23 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue Jun 1 13:25:23 EDT 2010
Acquisition finished: Tue Jun 1 13:39:23 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</td></tr>
<tr><td>Results:</td><td>
<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>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.20 SPT-21 (iPhone 3Gs)

<table>
<tr><th colspan="2">Test Case SPT-21 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-21 Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue Jun 1 13:39:47 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue Jun 1 13:39:47 EDT 2010
Acquisition finished: Tue Jun 1 13:46:12 EDT 2010

Deleted text message data was recovered</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-19 Acquisition of non-overwritten deleted text messages.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.21 SPT-22 (iPhone 3Gs)

<table>
<tr><td colspan="2">Test Case SPT-22 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-22 Acquire SIM memory and review reported location related data (i.e., LOCI, GPRSLOCI).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue Jun 1 13:46:39 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue Jun 1 13:46:39 EDT 2010
Acquisition finished: Tue Jun 1 13:59:13 EDT 2010

LOCI data was acquired
GPRSLOCI data was acquired</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-20 Acquisition of LOCI information.</td><td>as expected</td></tr>
<tr><td>SPT-AO-21 Acquisition of GPRSLOCI information.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.22 SPT-23 (iPhone 3Gs)

<table>
<tr><th colspan="2">Test Case SPT-23 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-23 Acquire SIM memory by selecting a combination of supported data elements.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue Jun 1 14:01:02 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue Jun 1 14:01:02 EDT 2010
Acquisition finished: Tue Jun 1 14:11:53 EDT 2010

Acquire All acquisition was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-01 SIM connectivity via supported interfaces.</td><td>as expected</td></tr>
<tr><td>SPT-AO-22 Acquire-All data objects acquisition.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.23 SPT-24 (iPhone 3Gs)

<table>
<tr><td colspan="2">Test Case SPT-24 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-24 Acquire mobile device internal memory and review reported data via supported generated report formats.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue Jun 1 14:12:44 EDT 2010</td></tr>
<tr><td>Device:</td><td>iPhone3Gs</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue Jun 1 14:12:44 EDT 2010
Acquisition finished: Tue Jun 1 14:24:09 EDT 2010

Complete representation of known data via generated reports was successful</td></tr>
<tr><td>Results:</td><td>
<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>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.24 SPT-25 (iPhone 3Gs)

<table>
<tr><td colspan="2">Test Case SPT-25 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-25 Acquire mobile device internal memory and review reported data via the preview pane.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue Jun 1 14:24:38 EDT 2010</td></tr>
<tr><td>Device:</td><td>iPhone3Gs</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue Jun 1 14:24:38 EDT 2010
Acquisition finished: Tue Jun 1 14:24:51 EDT 2010

Complete representation of known data via preview-pane was successful</td></tr>
<tr><td>Results:</td><td>
<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>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.25 SPT-26 (iPhone 3Gs)

<table>
<tr><td colspan="2">Test Case SPT-26 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-26 Acquire SIM memory and review reported data via supported generated report formats.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue Jun 1 14:41:20 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue Jun 1 14:41:20 EDT 2010
Acquisition finished: Tue Jun 1 14:45:20 EDT 2010

Complete representation of known data via generated reports was successful</td></tr>
<tr><td>Results:</td><td>
<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>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.26 SPT-27 (iPhone 3Gs)

<table>
<tr><th colspan="2">Test Case SPT-27 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-27 Acquire SIM memory and review reported data via the preview-pane.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue Jun 1 14:45:50 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue Jun 1 14:45:50 EDT 2010
Acquisition finished: Tue Jun 1 14:51:44 EDT 2010

Complete representation of known data via preview-pane was successful</td></tr>
<tr><td>Results:</td><td>
<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>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.27 SPT-28 (iPhone 3Gs)

<table>
<tr><th colspan="2">Test Case SPT-28 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-28 Attempt acquisition of a password-protected SIM.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue Jun 1 15:01:45 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue Jun 1 15:01:45 EDT 2010
Acquisition finished: Tue Jun 1 15:02:44 EDT 2010

Ability to enter PIN on protected media before acquisition was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-28 Acquisition of password protected SIM.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.28 SPT-29 (iPhone 3Gs)

Test Case SPT-29 XRY/XACT Version 5.0.2	
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 Jun 2 08:03:55 EDT 2010
Device:	iPhone3Gs
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Wed Jun 2 08:03:55 EDT 2010 Acquisition finished: Wed Jun 2 08:13:37 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

5.2.29 SPT-30 (iPhone 3Gs)

<table>
<tr><td colspan="2">Test Case SPT-30 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-30 After a successful SIM acquisition, alter the case file via third-party means and attempt to re-open the case.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Jun 2 08:13:56 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Wed Jun 2 08:13:56 EDT 2010
Acquisition finished: Wed Jun 2 08:17:37 EDT 2010

Notification of modified SIM data was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-27 Notification of modified device case data.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.30 SPT-31 (iPhone 3Gs)

Test Case SPT-31 XRY/XACT Version 5.0.2	
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 Jun 2 08:53:20 EDT 2010
Device:	iPhone2G
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Wed Jun 2 08:53:20 EDT 2010 Acquisition finished: Wed Jun 2 08:53:35 EDT 2010 Physical Acquisition: readability and completeness was not successful **Notes**: Log of extraction process created by XRY (12 items) Index: 1 Module: MAIN Status: Success Time: 8:49:47 AM Message: Initiating Process at 8:49 Index: 2 Module: MAIN Status: Success Time: 8:49:47 AM Message: XRY Version 5.0 Index: 3 Module: MAIN Status: Success Time: 8:49:47 AM Message: Connected to Apple iPhone 2G [] Index: 4 Module: MAIN Status: Success Time: 8:49:47 AM Message: Starting process of IDUMPER (5.0) Index: 5 Module: IDUMPER Status: Success Time: 8:49:48 AM Message: Apple mobile device connected. Index: 6 Module: IDUMPER Status: Success Time: 8:49:50 AM Message: User partition is 7 GB. Index: 7 Module: IDUMPER Status: Success Time: 8:50:45 AM Message: Apple mobile device connected. Index: 8 Module: IDUMPER

<table>
<tr><th colspan="2">Test Case SPT-31 XRY/XACT Version 5.0.2</th></tr>
<tr><td></td><td>Status: Unsuccessful
Time: 8:52:01 AM
Message: Failed to read blocks.

Index: 9
Module: IDUMPER
Status: Unsuccessful
Time: 8:53:01 AM
Message: Failed to close disk.

Index: 10
Module: IDUMPER
Status: Unsuccessful
Time: 8:54:01 AM
Message: Failed to open file for write

Index: 11
Module: IDUMPER
Status: Unsuccessful
Time: 8:54:01 AM
Message: Failed to stop device session.

Index: 12
Module: MAIN
Status: Unsuccessful
Time: 8:54:01 AM
Message: IDUMPER (5.0) completed with error</td></tr>
<tr><td>Results:</td><td><table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-AO-31 Physical acquisition, data is presented in a useable format.</td><td>Not as expected</td></tr></table></td></tr>
<tr><td>Analysis:</td><td>Expected results Not achieved</td></tr>
</table>

5.2.31 SPT-33 (iPhone 3Gs)

<table>
<tr><td colspan="2">Test Case SPT-33 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-33 Acquire mobile device internal memory and review data containing non-ASCII characters.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Jun 2 09:02:01 EDT 2010</td></tr>
<tr><td>Device:</td><td>iPhone3Gs</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Wed Jun 2 09:02:01 EDT 2010
Acquisition finished: Wed Jun 2 09:06:38 EDT 2010

Non-ASCII Address book entries were acquired and properly displayed
Non-ASCII text messages were acquired and properly displayed</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></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>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.32 SPT-34 (iPhone 3Gs)

<table>
<tr><td colspan="2">Test Case SPT-34 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-34 Acquire SIM memory and review data containing non-ASCII characters.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Jun 2 09:07:01 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Wed Jun 2 09:07:01 EDT 2010
Acquisition finished: Wed Jun 2 09:08:53 EDT 2010

Non-ASCII ADNs were acquired and properly displayed
Non-ASCII text messages were acquired and properly displayed</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></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>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.33 SPT-35 (iPhone 3Gs)

<table>
<tr><td colspan="2">Test Case SPT-35 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-35 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.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Jun 2 09:09:21 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Wed Jun 2 09:09:21 EDT 2010
Acquisition finished: Wed Jun 2 09:15:11 EDT 2010

The remaining number of PIN attempts were properly displayed</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-29 Display remaining number of PIN attempts.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.34 SPT-36 (iPhone 3Gs)

<table>
<tr><td colspan="2">Test Case SPT-36 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-36 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.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Jun 2 09:15:28 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Wed Jun 2 09:15:28 EDT 2010
Acquisition finished: Wed Jun 2 09:15:37 EDT 2010

Remaining number of PUK attempts were properly displayed</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-30 Display remaining number of PUK attempts.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.35 SPT-38 (iPhone 3Gs)

<table>
<tr><td colspan="2">Test Case SPT-38 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-38 Acquire mobile device internal memory and review hash values for vendor supported data objects.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Jun 2 09:20:27 EDT 2010</td></tr>
<tr><td>Device:</td><td>iPhone3Gs</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Wed Jun 2 09:20:27 EDT 2010
Acquisition finished: Wed Jun 2 09:21:20 EDT 2010

Hash values were properly reported for individually acquired device data elements</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-43 Acquire data, check known hash values for consistency.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.36 SPT-01 (Blackberry 9700)

<table>
<tr><th colspan="2">Test Case SPT-01 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Jun 2 13:58:01 EDT 2010</td></tr>
<tr><td>Device:</td><td>Blackberry_9700</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Wed Jun 2 13:58:01 EDT 2010
Acquisition finished: Wed Jun 2 13:59:26 EDT 2010

Device connectivity was established via supported interface</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr>
<tr><td>SPT-CA-04 Readability and completeness of acquired data via supported reports.</td><td>as expected</td></tr>
<tr><td>SPT-CA-29 Acquire-All data objects acquisition.</td><td>as expected</td></tr>
<tr><td>SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.37 SPT-02 (Blackberry 9700)

<table>
<tr><th colspan="2">Test Case SPT-02 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-02 Attempt internal memory acquisition of a non-supported mobile device.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Jun 2 14:02:18 EDT 2010</td></tr>
<tr><td>Device:</td><td>unsupported_device</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Wed Jun 2 14:02:18 EDT 2010
Acquisition finished: Wed Jun 2 14:03:24 EDT 2010

Identification of non-supported devices was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-02 Identification of non-supported devices.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.38 SPT-03 (Blackberry 9700)

Test Case SPT-03 XRY/XACT Version 5.0.2	
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 Jun 2 14:04:20 EDT 2010
Device:	Blackberry_9700
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Wed Jun 2 14:04:20 EDT 2010 Acquisition finished: Wed Jun 2 14:05:29 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

5.2.39 SPT-04 (Blackberry 9700)

<table>
<tr><td colspan="2">Test Case SPT-04 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-04 Acquire mobile device internal memory and review reported data via the preview-pane or generated reports for readability.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Jun 2 14:05:59 EDT 2010</td></tr>
<tr><td>Device:</td><td>Blackberry_9700</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Wed Jun 2 14:05:59 EDT 2010
Acquisition finished: Wed Jun 2 14:22:42 EDT 2010

Readability and completeness of acquired data was successful</td></tr>
<tr><td>Results:</td><td>
<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>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.40 SPT-05 (Blackberry 9700)

<table>
<tr><th colspan="2">Test Case SPT-05 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-05 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Jun 2 14:23:08 EDT 2010</td></tr>
<tr><td>Device:</td><td>Blackberry_9700</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Wed Jun 2 14:23:08 EDT 2010
Acquisition finished: Wed Jun 2 14:26:36 EDT 2010

Subscriber and Equipment related data (i.e., MSISDN, IMEI) were acquired</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-05 Acquisition of MSISDN, IMSI.</td><td>as expected</td></tr>
<tr><td>SPT-CA-06 Acquisition of IMEI/MEID/ESN.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.41 SPT-06 (Blackberry 9700)

<table>
<tr><th colspan="2">Test Case SPT-06 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-06 Acquire mobile device internal memory and review reported PIM related data.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Jun 2 14:27:22 EDT 2010</td></tr>
<tr><td>Device:</td><td>Blackberry_bold9700</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Wed Jun 2 14:27:22 EDT 2010
Acquisition finished: Wed Jun 2 14:35:53 EDT 2010

All address book entries were successfully acquired
ALL PIM related data was acquired</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-07 Acquisition of address book entries.</td><td>as expected</td></tr>
<tr><td>SPT-CA-08 Acquisition of maximum length address book entries.</td><td>as expected</td></tr>
<tr><td>SPT-CA-09 Acquisition of address book entries containing special characters.</td><td>as expected</td></tr>
<tr><td>SPT-CA-10 Acquisition of address book entries containing a blank name entry.</td><td>as expected</td></tr>
<tr><td>SPT-CA-11 Acquisition of embedded email addresses within address book entries.</td><td>as expected</td></tr>
<tr><td>SPT-CA-12 Acquisition of embedded graphics within address book entries.</td><td>as expected</td></tr>
<tr><td>SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).</td><td>as expected</td></tr>
<tr><td>SPT-CA-14 Acquisition of maximum length PIM data.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.42 SPT-07 (Blackberry 9700)

<table>
<tr><th colspan="2">Test Case SPT-07 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-07 Acquire mobile device internal memory and review reported call logs.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Jun 2 14:39:24 EDT 2010</td></tr>
<tr><td>Device:</td><td>Blackberry_9700</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Wed Jun 2 14:39:24 EDT 2010
Acquisition finished: Wed Jun 2 14:42:05 EDT 2010

Incoming Calls were not acquired
Outgoing Calls were not acquired
Missed Calls were not acquired</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-15 Acquisition of call logs.</td><td>Not as expected</td></tr>
<tr><td>SPT-CA-16 Acquisition of call log date/time stamps.</td><td>NA</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results Not achieved</td></tr>
</table>

5.2.43 SPT-08 (Blackberry 9700)

<table>
<tr><th colspan="2">Test Case SPT-08 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-08 Acquire mobile device internal memory and review reported text messages.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Thu Jun 3 08:01:36 EDT 2010</td></tr>
<tr><td>Device:</td><td>Blackberry_9700</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Thu Jun 3 08:01:36 EDT 2010
Acquisition finished: Thu Jun 3 08:08:32 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</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-17 Acquisition of text messages.</td><td>as expected</td></tr>
<tr><td>SPT-CA-18 Acquisition of text message date/time stamps.</td><td>as expected</td></tr>
<tr><td>SPT-CA-19 Acquisition of text message status flags.</td><td>as expected</td></tr>
<tr><td>SPT-CA-20 Acquisition of sender/recipient phone number associated with text messages.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.44 SPT-09 (Blackberry 9700)

<table>
<tr><td colspan="2">Test Case SPT-09 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-09 Acquire mobile device internal memory and review reported MMS multi-media related data (i.e., text, audio, graphics, video).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Thu Jun 3 08:54:22 EDT 2010</td></tr>
<tr><td>Device:</td><td>Blackberry_9700</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Thu Jun 3 08:54:22 EDT 2010
Acquisition finished: Thu Jun 3 09:00:13 EDT 2010

Partial audio MMS messages were acquired
Partial image MMS messages were acquired
Partial video MMS messages were acquired
<u>Notes</u>:
MMS message (i.e., textual content) data was not reported.
Graphic files embedded in MMS messages were not reported.
Video files embedded in MMS messages produce the following error: Error-36: an I/O error occurred (-1-0-01000045.mms\)</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-21 Acquisition of audio MMS messages.</td><td>Partially 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>
</td></tr>
<tr><td>Analysis:</td><td>Expected results Not achieved</td></tr>
</table>

5.2.45 SPT-10 (Blackberry 9700)

<table>
<tr><td colspan="2">Test Case SPT-10 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-10 Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Thu Jun 3 09:04:07 EDT 2010</td></tr>
<tr><td>Device:</td><td>Blackberry_9700</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Thu Jun 3 09:04:07 EDT 2010
Acquisition finished: Thu Jun 3 09:50:20 EDT 2010

ALL stand-alone data files (Audio, Image, Video) were acquired</td></tr>
<tr><td>Results:</td><td>
<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>as expected</td></tr>
<tr><td>SPT-CA-25 Acquisition of stand-alone graphic files.</td><td>as expected</td></tr>
<tr><td>SPT-CA-26 Acquisition of stand-alone video files.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.46 SPT-11 (Blackberry 9700)

<table>
<tr><th colspan="2">Test Case SPT-11 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-11 Acquire mobile device internal memory and review application related data (i.e., word documents, spreadsheet, presentation documents).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Thu Jun 3 09:50:48 EDT 2010</td></tr>
<tr><td>Device:</td><td>Blackberry_9700</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Thu Jun 3 09:50:48 EDT 2010
Acquisition finished: Thu Jun 3 10:00:42 EDT 2010

All application data was acquired</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-27 Acquisition of application related data.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.47 SPT-13 (Blackberry 9700)

Test Case SPT-13 XRY/XACT Version 5.0.2	
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:	Thu Jun 3 10:54:30 EDT 2010
Device:	Blackberry_9700
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Thu Jun 3 10:54:30 EDT 2010 Acquisition finished: Thu Jun 3 13:41:15 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

5.2.48 SPT-14 (Blackberry 9700)

<table>
<tr><th colspan="2">Test Case SPT-14 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-14 Acquire SIM memory over supported interfaces (e.g., PC/SC reader).</td></tr>
<tr><td>Assertions:</td><td>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).</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 4 09:40:14 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 4 09:40:14 EDT 2010
Acquisition finished: Fri Jun 4 09:43:44 EDT 2010

Media connectivity was established via supported interface</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-01 SIM connectivity via supported interfaces.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.49 SPT-15 (Blackberry 9700)

Test Case SPT-15 XRY/XACT Version 5.0.2	
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:	Fri Jun 4 09:44:20 EDT 2010
Device:	unsupported_sim
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 4 09:44:20 EDT 2010 Acquisition finished: Fri Jun 4 09:46:27 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

5.2.50 SPT-16 (Blackberry 9700)

Test Case SPT-16 XRY/XACT Version 5.0.2	
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:	Fri Jun 4 09:46:54 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 4 09:46:54 EDT 2010 Acquisition finished: Fri Jun 4 09:49:15 EDT 2010 Media acquisition disruption notification was successful
Results:	
Analysis:	Expected results achieved

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

5.2.51 SPT-17 (Blackberry 9700)

<table>
<tr><th colspan="2">Test Case SPT-17 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-17 Acquire SIM memory and review reported subscriber and equipment related information (i.e., SPN, ICCID, IMSI, MSISDN).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 4 09:49:41 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 4 09:49:41 EDT 2010
Acquisition finished: Fri Jun 4 09:54:56 EDT 2010

All subscriber-related data (i.e., SPN, ICCID, IMSI, MSISDN) was acquired</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-04 Acquisition of SPN.</td><td>as expected</td></tr>
<tr><td>SPT-AO-05 Acquisition of ICCID.</td><td>as expected</td></tr>
<tr><td>SPT-AO-06 Acquisition of IMSI.</td><td>as expected</td></tr>
<tr><td>SPT-AO-07 Acquisition of MSISDN.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.52 SPT-18 (Blackberry 9700)

<table>
<tr><th colspan="2">Test Case SPT-18 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-18 Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 4 09:55:27 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 4 09:55:27 EDT 2010
Acquisition finished: Fri Jun 4 10:01:29 EDT 2010

All ADNs were acquired</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-08 Acquisition of ADNs.</td><td>as expected</td></tr>
<tr><td>SPT-AO-09 Acquisition of maximum length ADNs.</td><td>as expected</td></tr>
<tr><td>SPT-AO-10 Acquisition of special character ADNs.</td><td>as expected</td></tr>
<tr><td>SPT-AO-11 Acquisition of blank name ADNs.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.53 SPT-19 (Blackberry 9700)

<table>
<tr><th colspan="2">Test Case SPT-19 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-19 Acquire SIM memory and review reported Last Numbers Dialed (LND).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 4 10:01:53 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 4 10:01:53 EDT 2010
Acquisition finished: Fri Jun 4 10:03:53 EDT 2010

LNDs were acquired
Date/Time Stamps correctly reported for LNDs</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-12 Acquisition of LNDs.</td><td>as expected</td></tr>
<tr><td>SPT-AO-13 Acquisition of LND date/time stamps.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.54 SPT-20 (Blackberry 9700)

<table>
<tr><th colspan="2">Test Case SPT-20 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-20 Acquire SIM memory and review reported text messages (SMS, EMS).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 4 10:04:28 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 4 10:04:28 EDT 2010
Acquisition finished: Fri Jun 4 10:28:35 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</td></tr>
<tr><td>Results:</td><td>
<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>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.55 SPT-21 (Blackberry 9700)

<table>
<tr><td colspan="2">Test Case SPT-21 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-21 Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 4 10:29:02 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 4 10:29:02 EDT 2010
Acquisition finished: Fri Jun 4 10:41:40 EDT 2010

Deleted text message data was recovered</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-19 Acquisition of non-overwritten deleted text messages.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.56 SPT-22 (Blackberry 9700)

<table>
<tr><th colspan="2">Test Case SPT-22 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-22 Acquire SIM memory and review reported location related data (i.e., LOCI, GPRSLOCI).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 4 12:07:31 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 4 12:07:31 EDT 2010
Acquisition finished: Fri Jun 4 12:07:39 EDT 2010

LOCI data was acquired
GPRSLOCI data was acquired</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-20 Acquisition of LOCI information.</td><td>as expected</td></tr>
<tr><td>SPT-AO-21 Acquisition of GPRSLOCI information.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.57 SPT-23 (Blackberry 9700)

<table>
<tr><th colspan="2">Test Case SPT-23 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-23 Acquire SIM memory by selecting a combination of supported data elements.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 4 12:07:58 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 4 12:07:58 EDT 2010
Acquisition finished: Fri Jun 4 12:08:11 EDT 2010

Acquire All acquisition was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-01 SIM connectivity via supported interfaces.</td><td>as expected</td></tr>
<tr><td>SPT-AO-22 Acquire-All data objects acquisition.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.58 SPT-24 (Blackberry 9700)

<table>
<tr><td colspan="2">Test Case SPT-24 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-24 Acquire mobile device internal memory and review reported data via supported generated report formats.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 4 12:26:02 EDT 2010</td></tr>
<tr><td>Device:</td><td>BlackBerry_9700</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 4 12:26:02 EDT 2010
Acquisition finished: Fri Jun 4 12:28:39 EDT 2010

Complete representation of known data via generated reports was successful</td></tr>
<tr><td>Results:</td><td>
<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>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.59 SPT-25 (Blackberry 9700)

<table>
<tr><td colspan="2">Test Case SPT-25 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-25 Acquire mobile device internal memory and review reported data via the preview pane.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 4 12:29:08 EDT 2010</td></tr>
<tr><td>Device:</td><td>Blackberry_9700</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 4 12:29:08 EDT 2010
Acquisition finished: Fri Jun 4 12:30:30 EDT 2010

Complete representation of known data via preview-pane was successful</td></tr>
<tr><td>Results:</td><td>
<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>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.60 SPT-26 (Blackberry 9700)

<table>
<tr><td colspan="2">Test Case SPT-26 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-26 Acquire SIM memory and review reported data via supported generated report formats.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 4 12:30:52 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 4 12:30:52 EDT 2010
Acquisition finished: Fri Jun 4 12:33:09 EDT 2010

Complete representation of known data via generated reports was successful</td></tr>
<tr><td>Results:</td><td>
<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>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.61 SPT-27 (Blackberry 9700)

<table>
<tr><th colspan="2">Test Case SPT-27 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-27 Acquire SIM memory and review reported data via the preview-pane.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 4 12:33:30 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 4 12:33:30 EDT 2010
Acquisition finished: Fri Jun 4 12:35:26 EDT 2010

Complete representation of known data via preview-pane was successful</td></tr>
<tr><td>Results:</td><td>
<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>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.62 SPT-28 (Blackberry 9700)

<table>
<tr><th colspan="2">Test Case SPT-28 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-28 Attempt acquisition of a password-protected SIM.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 4 12:35:55 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 4 12:35:55 EDT 2010
Acquisition finished: Fri Jun 4 12:37:43 EDT 2010

Ability to enter PIN on protected media before acquisition was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-28 Acquisition of password protected SIM.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.63 SPT-29 (Blackberry 9700)

Test Case SPT-29 XRY/XACT Version 5.0.2	
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:	Fri Jun 4 12:38:50 EDT 2010
Device:	Blackberry_9700
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 4 12:38:50 EDT 2010 Acquisition finished: Fri Jun 4 12:40:36 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

5.2.64 SPT-30 (Blackberry 9700)

Test Case SPT-30 XRY/XACT Version 5.0.2	
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:	Fri Jun 4 12:41:00 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 4 12:41:00 EDT 2010 Acquisition finished: Fri Jun 4 12:41:58 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

5.2.65 SPT-33 (Blackberry 9700)

<table>
<tr><td colspan="2">Test Case SPT-33 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-33 Acquire mobile device internal memory and review data containing non-ASCII characters.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 4 14:05:04 EDT 2010</td></tr>
<tr><td>Device:</td><td>Blackberry_bold9700</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 4 14:05:04 EDT 2010
Acquisition finished: Fri Jun 4 14:08:46 EDT 2010

Non-ASCII Address book entries were acquired and properly displayed
Non-ASCII text messages were acquired and properly displayed</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></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>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.66 SPT-34 (Blackberry 9700)

<table>
<tr><td colspan="2">Test Case SPT-34 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-34 Acquire SIM memory and review data containing non-ASCII characters.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 4 14:09:20 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 4 14:09:20 EDT 2010
Acquisition finished: Fri Jun 4 14:10:53 EDT 2010

Non-ASCII ADNs were acquired and properly displayed
Non-ASCII text messages were acquired and properly displayed</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></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>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.67 SPT-35 (Blackberry 9700)

<table>
<tr><th colspan="2">Test Case SPT-35 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-35 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.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 4 14:11:20 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 4 14:11:20 EDT 2010
Acquisition finished: Fri Jun 4 14:15:37 EDT 2010

The remaining number of PIN attempts were properly displayed</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-29 Display remaining number of PIN attempts.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.68 SPT-36 (Blackberry 9700)

<table>
<tr><th colspan="2">Test Case SPT-36 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-36 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.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 4 14:15:59 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 4 14:15:59 EDT 2010
Acquisition finished: Fri Jun 4 14:16:37 EDT 2010

Remaining number of PUK attempts were properly displayed</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-30 Display remaining number of PUK attempts.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.69 SPT-38 (Blackberry 9700)

<table>
<tr><td colspan="2">Test Case SPT-38 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-38 Acquire mobile device internal memory and review hash values for vendor supported data objects.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 4 14:17:27 EDT 2010</td></tr>
<tr><td>Device:</td><td>Blackberry_9700</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 4 14:17:27 EDT 2010
Acquisition finished: Fri Jun 4 14:20:16 EDT 2010

Hash values were properly reported for individually acquired device data elements</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-43 Acquire data, check known hash values for consistency.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.70 SPT-01 (Nokia e71x)

<table>
<tr><td colspan="2">Test Case SPT-01 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 11 08:10:12 EDT 2010</td></tr>
<tr><td>Device:</td><td>Nokia_e71x</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: bluetooth</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 11 08:10:12 EDT 2010
Acquisition finished: Fri Jun 11 08:45:54 EDT 2010

Device connectivity was established via supported interface</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr>
<tr><td>SPT-CA-04 Readability and completeness of acquired data via supported reports.</td><td>as expected</td></tr>
<tr><td>SPT-CA-29 Acquire-All data objects acquisition.</td><td>as expected</td></tr>
<tr><td>SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.71 SPT-02 (Nokia e71x)

<table>
<tr><th colspan="2">Test Case SPT-02 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-02 Attempt internal memory acquisition of a non-supported mobile device.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 11 08:46:34 EDT 2010</td></tr>
<tr><td>Device:</td><td>unsupported_device</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 11 08:46:34 EDT 2010
Acquisition finished: Fri Jun 11 08:53:24 EDT 2010

Identification of non-supported devices was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-02 Identification of non-supported devices.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.72 SPT-03 (Nokia e71x)

<table>
<tr><th colspan="2">Test Case SPT-03 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 11 09:06:50 EDT 2010</td></tr>
<tr><td>Device:</td><td>Nokia_e71x</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: bluetooth</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 11 09:06:50 EDT 2010
Acquisition finished: Fri Jun 11 09:07:39 EDT 2010

Device acquisition disruption notification was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-03 Notification of device acquisition disruption.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.73 SPT-04 (Nokia e71x)

<table>
<tr><td colspan="2">Test Case SPT-04 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-04 Acquire mobile device internal memory and review reported data via the preview-pane or generated reports for readability.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 11 09:08:14 EDT 2010</td></tr>
<tr><td>Device:</td><td>Nokia_e71x</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: bluetooth</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 11 09:08:14 EDT 2010
Acquisition finished: Fri Jun 11 09:12:18 EDT 2010

Readability and completeness of acquired data was successful</td></tr>
<tr><td>Results:</td><td>
<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>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.74 SPT-05 (Nokia e71x)

<table>
<tr><td colspan="2">Test Case SPT-05 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-05 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 11 09:19:09 EDT 2010</td></tr>
<tr><td>Device:</td><td>Nokia_e71x</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: bluetooth</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 11 09:19:09 EDT 2010
Acquisition finished: Fri Jun 11 09:22:20 EDT 2010

Subscriber and Equipment related data (i.e., MSISDN, IMEI) were acquired</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-05 Acquisition of MSISDN, IMSI.</td><td>as expected</td></tr>
<tr><td>SPT-CA-06 Acquisition of IMEI/MEID/ESN.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.75 SPT-06 (Nokia e71x)

<table>
<tr><th colspan="2">Test Case SPT-06 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-06 Acquire mobile device internal memory and review reported PIM related data.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 11 09:23:02 EDT 2010</td></tr>
<tr><td>Device:</td><td>Nokia_e71x</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: bluetooth</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 11 09:23:02 EDT 2010
Acquisition finished: Fri Jun 11 09:34:07 EDT 2010

All address book entries were successfully acquired
ALL PIM related data was acquired</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-07 Acquisition of address book entries.</td><td>as expected</td></tr>
<tr><td>SPT-CA-08 Acquisition of maximum length address book entries.</td><td>as expected</td></tr>
<tr><td>SPT-CA-09 Acquisition of address book entries containing special characters.</td><td>as expected</td></tr>
<tr><td>SPT-CA-10 Acquisition of address book entries containing a blank name entry.</td><td>as expected</td></tr>
<tr><td>SPT-CA-11 Acquisition of embedded email addresses within address book entries.</td><td>as expected</td></tr>
<tr><td>SPT-CA-12 Acquisition of embedded graphics within address book entries.</td><td>as expected</td></tr>
<tr><td>SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).</td><td>as expected</td></tr>
<tr><td>SPT-CA-14 Acquisition of maximum length PIM data.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.76 SPT-07 (Nokia e71x)

<table>
<tr><th colspan="2">Test Case SPT-07 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-07 Acquire mobile device internal memory and review reported call logs.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 11 09:35:18 EDT 2010</td></tr>
<tr><td>Device:</td><td>Nokia_e71x</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: bluetooth</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 11 09:35:18 EDT 2010
Acquisition finished: Fri Jun 11 10:17:09 EDT 2010

All Call Logs (incoming, outgoing, missed) were acquired
All Call Log date/time stamps data were correctly reported</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-15 Acquisition of call logs.</td><td>as expected</td></tr>
<tr><td>SPT-CA-16 Acquisition of call log date/time stamps.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.77 SPT-08 (Nokia e71x)

<table>
<tr><th colspan="2">Test Case SPT-08 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-08 Acquire mobile device internal memory and review reported text messages.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 11 10:17:45 EDT 2010</td></tr>
<tr><td>Device:</td><td>Nokia_e71x</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: bluetooth</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 11 10:17:45 EDT 2010
Acquisition finished: Fri Jun 11 10:27:13 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</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-17 Acquisition of text messages.</td><td>as expected</td></tr>
<tr><td>SPT-CA-18 Acquisition of text message date/time stamps.</td><td>as expected</td></tr>
<tr><td>SPT-CA-19 Acquisition of text message status flags.</td><td>as expected</td></tr>
<tr><td>SPT-CA-20 Acquisition of sender/recipient phone number associated with text messages.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.78 SPT-09 (Nokia e71x)

<table>
<tr><td colspan="2">Test Case SPT-09 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-09 Acquire mobile device internal memory and review reported MMS multi-media related data (i.e., text, audio, graphics, video).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 11 10:38:45 EDT 2010</td></tr>
<tr><td>Device:</td><td>Nokia_e71x</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: bluetooth</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 11 10:38:45 EDT 2010
Acquisition finished: Fri Jun 11 10:42:54 EDT 2010

ALL MMS messages (Audio, Image, Video) were acquired</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-21 Acquisition of audio MMS messages.</td><td>as expected</td></tr>
<tr><td>SPT-CA-22 Acquisition of graphic data image MMS messages.</td><td>as expected</td></tr>
<tr><td>SPT-CA-23 Acquisition of video MMS messages.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.79 SPT-10 (Nokia e71x)

<table>
<tr><th colspan="2">Test Case SPT-10 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-10 Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 11 10:44:58 EDT 2010</td></tr>
<tr><td>Device:</td><td>Nokia_e71x</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: bluetooth</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 11 10:44:58 EDT 2010
Acquisition finished: Fri Jun 11 10:46:30 EDT 2010

ALL stand-alone data files (Audio, Image, Video) were acquired</td></tr>
<tr><td>Results:</td><td>
<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>as expected</td></tr>
<tr><td>SPT-CA-25 Acquisition of stand-alone graphic files.</td><td>as expected</td></tr>
<tr><td>SPT-CA-26 Acquisition of stand-alone video files.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.80 SPT-11 (Nokia e71x)

<table>
<tr><th colspan="2">Test Case SPT-11 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-11 Acquire mobile device internal memory and review application related data (i.e., word documents, spreadsheet, presentation documents).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 11 12:15:43 EDT 2010</td></tr>
<tr><td>Device:</td><td>Nokia_e71x</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: bluetooth</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 11 12:15:43 EDT 2010
Acquisition finished: Fri Jun 11 12:17:41 EDT 2010

All application data was acquired</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-27 Acquisition of application related data.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.81 SPT-13 (Nokia e71x)

Test Case SPT-13 XRY/XACT Version 5.0.2	
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:	Fri Jun 11 12:18:54 EDT 2010
Device:	Nokia_e71x
Source Setup:	OS: WIN XP Interface: bluetooth
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 11 12:18:54 EDT 2010 Acquisition finished: Fri Jun 11 12:26:39 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

5.2.82 SPT-14 (Nokia e71x)

<table>
<tr><th colspan="2">Test Case SPT-14 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-14 Acquire SIM memory over supported interfaces (e.g., PC/SC reader).</td></tr>
<tr><td>Assertions:</td><td>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).</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 11 12:38:33 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 11 12:38:33 EDT 2010
Acquisition finished: Fri Jun 11 12:41:43 EDT 2010

Media connectivity was established via supported interface</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-01 SIM connectivity via supported interfaces.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.83 SPT-15 (Nokia e71x)

Test Case SPT-15 XRY/XACT Version 5.0.2	
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:	Fri Jun 11 12:42:08 EDT 2010
Device:	Unsupported_sim
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 11 12:42:08 EDT 2010 Acquisition finished: Fri Jun 11 12:50:02 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

5.2.84 SPT-16 (Nokia e71x)

Test Case SPT-16 XRY/XACT Version 5.0.2	
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:	Fri Jun 11 12:50:21 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 11 12:50:21 EDT 2010 Acquisition finished: Fri Jun 11 12:58:46 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

5.2.85 SPT-17 (Nokia e71x)

<table>
<tr><th colspan="2">Test Case SPT-17 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-17 Acquire SIM memory and review reported subscriber and equipment related information (i.e., SPN, ICCID, IMSI, MSISDN).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 11 12:59:02 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 11 12:59:02 EDT 2010
Acquisition finished: Fri Jun 11 13:12:10 EDT 2010

All subscriber-related data (i.e., SPN, ICCID, IMSI, MSISDN) was acquired</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-04 Acquisition of SPN.</td><td>as expected</td></tr>
<tr><td>SPT-AO-05 Acquisition of ICCID.</td><td>as expected</td></tr>
<tr><td>SPT-AO-06 Acquisition of IMSI.</td><td>as expected</td></tr>
<tr><td>SPT-AO-07 Acquisition of MSISDN.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.86 SPT-18 (Nokia e71x)

<table>
<tr><th colspan="2">Test Case SPT-18 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-18 Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 11 13:13:36 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 11 13:13:36 EDT 2010
Acquisition finished: Fri Jun 11 13:19:47 EDT 2010

All ADNs were acquired</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-08 Acquisition of ADNs.</td><td>as expected</td></tr>
<tr><td>SPT-AO-09 Acquisition of maximum length ADNs.</td><td>as expected</td></tr>
<tr><td>SPT-AO-10 Acquisition of special character ADNs.</td><td>as expected</td></tr>
<tr><td>SPT-AO-11 Acquisition of blank name ADNs.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.87 SPT-19 (Nokia e71x)

<table>
<tr><th colspan="2">Test Case SPT-19 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-19 Acquire SIM memory and review reported Last Numbers Dialed (LND).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 11 13:20:06 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 11 13:20:06 EDT 2010
Acquisition finished: Fri Jun 11 13:25:40 EDT 2010

LNDs were acquired
Date/Time Stamps correctly reported for LNDs</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-12 Acquisition of LNDs.</td><td>as expected</td></tr>
<tr><td>SPT-AO-13 Acquisition of LND date/time stamps.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.88 SPT-20 (Nokia e71x)

Test Case SPT-20 XRY/XACT Version 5.0.2	
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:	Fri Jun 11 13:26:07 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 11 13:26:07 EDT 2010 Acquisition finished: Fri Jun 11 13:43:23 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

5.2.89 SPT-21 (Nokia e71x)

<table>
<tr><th colspan="2">Test Case SPT-21 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-21 Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 11 13:44:05 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 11 13:44:05 EDT 2010
Acquisition finished: Fri Jun 11 13:47:14 EDT 2010

Deleted text message data was recovered</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-19 Acquisition of non-overwritten deleted text messages.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.90 SPT-22 (Nokia e71x)

<table>
<tr><th colspan="2">Test Case SPT-22 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-22 Acquire SIM memory and review reported location related data (i.e., LOCI, GPRSLOCI).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 11 13:47:39 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 11 13:47:39 EDT 2010
Acquisition finished: Fri Jun 11 13:57:07 EDT 2010

LOCI data was acquired
GPRSLOCI data was acquired</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-20 Acquisition of LOCI information.</td><td>as expected</td></tr>
<tr><td>SPT-AO-21 Acquisition of GPRSLOCI information.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.91 SPT-23 (Nokia e71x)

<table>
<tr><th colspan="2">Test Case SPT-23 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-23 Acquire SIM memory by selecting a combination of supported data elements.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 11 13:57:26 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 11 13:57:26 EDT 2010
Acquisition finished: Fri Jun 11 13:57:33 EDT 2010

Acquire All acquisition was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-01 SIM connectivity via supported interfaces.</td><td>as expected</td></tr>
<tr><td>SPT-AO-22 Acquire-All data objects acquisition.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.92 SPT-24 (Nokia e71x)

<table>
<tr><td colspan="2">Test Case SPT-24 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-24 Acquire mobile device internal memory and review reported data via supported generated report formats.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 11 13:58:07 EDT 2010</td></tr>
<tr><td>Device:</td><td>Nokia_e71x</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: bluetooth</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 11 13:58:07 EDT 2010
Acquisition finished: Fri Jun 11 14:00:25 EDT 2010

Complete representation of known data via generated reports was successful</td></tr>
<tr><td>Results:</td><td>
<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>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.93 SPT-25 (Nokia e71x)

<table>
<tr><th colspan="2">Test Case SPT-25 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-25 Acquire mobile device internal memory and review reported data via the preview pane.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 11 14:00:50 EDT 2010</td></tr>
<tr><td>Device:</td><td>Nokia_e71x</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: bluetooth</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 11 14:00:50 EDT 2010
Acquisition finished: Fri Jun 11 14:04:12 EDT 2010

Complete representation of known data via preview-pane was successful</td></tr>
<tr><td>Results:</td><td>
<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>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.94 SPT-26 (Nokia e71x)

<table>
<tr><td colspan="2">Test Case SPT-26 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-26 Acquire SIM memory and review reported data via supported generated report formats.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 11 14:04:29 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 11 14:04:29 EDT 2010
Acquisition finished: Fri Jun 11 14:08:03 EDT 2010

Complete representation of known data via generated reports was successful</td></tr>
<tr><td>Results:</td><td>
<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>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.95 SPT-27 (Nokia e71x)

<table>
<tr><th colspan="2">Test Case SPT-27 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-27 Acquire SIM memory and review reported data via the preview-pane.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 11 14:08:27 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 11 14:08:27 EDT 2010
Acquisition finished: Fri Jun 11 14:21:15 EDT 2010

Complete representation of known data via preview-pane was successful</td></tr>
<tr><td>Results:</td><td>
<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>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.96 SPT-28 (Nokia e71x)

<table>
<tr><th colspan="2">Test Case SPT-28 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-28 Attempt acquisition of a password-protected SIM.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 11 14:22:54 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 11 14:22:54 EDT 2010
Acquisition finished: Fri Jun 11 14:31:23 EDT 2010

Ability to enter PIN on protected media before acquisition was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-28 Acquisition of password protected SIM.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.97 SPT-29 (Nokia e71x)

Test Case SPT-29 XRY/XACT Version 5.0.2	
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:	Fri Jun 11 14:32:05 EDT 2010
Device:	Nokia_e71x
Source Setup:	OS: WIN XP Interface: bluetooth
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 11 14:32:05 EDT 2010 Acquisition finished: Fri Jun 11 14:35:26 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

5.2.98 SPT-30 (Nokia e71x)

Test Case SPT-30 XRY/XACT Version 5.0.2	
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:	Fri Jun 11 14:36:24 EDT 2010
Device:	ATT_SIM
Source Setup:	OS: WIN XP Interface: USB
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 11 14:36:24 EDT 2010 Acquisition finished: Fri Jun 11 14:38:24 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

5.2.99 SPT-33 (Nokia e71x)

<table>
<tr><td colspan="2">Test Case SPT-33 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-33 Acquire mobile device internal memory and review data containing non-ASCII characters.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 11 14:39:01 EDT 2010</td></tr>
<tr><td>Device:</td><td>Nokia_e71x</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: bluetooth</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 11 14:39:01 EDT 2010
Acquisition finished: Fri Jun 11 14:42:35 EDT 2010

Non-ASCII Address book entries were acquired and properly displayed
Non-ASCII text messages were acquired and properly displayed</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></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>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.100 SPT-34 (Nokia e71x)

<table>
<tr><td colspan="2">Test Case SPT-34 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-34 Acquire SIM memory and review data containing non-ASCII characters.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 11 14:42:59 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 11 14:42:59 EDT 2010
Acquisition finished: Fri Jun 11 14:44:27 EDT 2010

Non-ASCII ADNs were acquired and properly displayed
Non-ASCII text messages were acquired and properly displayed</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></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>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.101 SPT-35 (Nokia e71x)

<table>
<tr><th colspan="2">Test Case SPT-35 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-35 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.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 11 14:46:02 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 11 14:46:02 EDT 2010
Acquisition finished: Fri Jun 11 14:47:13 EDT 2010

The remaining number of PIN attempts were properly displayed</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-29 Display remaining number of PIN attempts.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.102 SPT-36 (Nokia e71x)

<table>
<tr><th colspan="2">Test Case SPT-36 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-36 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.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 11 14:47:41 EDT 2010</td></tr>
<tr><td>Device:</td><td>ATT_SIM</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 11 14:47:41 EDT 2010
Acquisition finished: Fri Jun 11 14:49:35 EDT 2010

Remaining number of PUK attempts were properly displayed</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-30 Display remaining number of PUK attempts.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.103 SPT-38 (Nokia e71x)

<table>
<tr><td colspan="2">Test Case SPT-38 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-38 Acquire mobile device internal memory and review hash values for vendor supported data objects.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Fri Jun 11 14:50:28 EDT 2010</td></tr>
<tr><td>Device:</td><td>Nokia_e71x</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: bluetooth</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Fri Jun 11 14:50:28 EDT 2010
Acquisition finished: Fri Jun 11 14:53:19 EDT 2010

Hash values were properly reported for individually acquired device data elements</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-43 Acquire data, check known hash values for consistency.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.104 SPT-01 (HTC Touch Pro 2)

Test Case SPT-01 XRY/XACT Version 5.0.2	
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:	Wed Jun 16 07:23:12 EDT 2010
Device:	HTC_Touch_Pro2
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Wed Jun 16 07:23:12 EDT 2010 Acquisition finished: Wed Jun 16 07:28:42 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

5.2.105 SPT-02 (HTC Touch Pro 2)

<table>
<tr><th colspan="2">Test Case SPT-02 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-02 Attempt internal memory acquisition of a non-supported mobile device.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Jun 16 07:29:20 EDT 2010</td></tr>
<tr><td>Device:</td><td>HTC_Touch_Pro2</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Wed Jun 16 07:29:20 EDT 2010
Acquisition finished: Wed Jun 16 07:31:26 EDT 2010

Identification of non-supported devices was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-02 Identification of non-supported devices.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.106 SPT-03 (HTC Touch Pro 2)

Test Case SPT-03 XRY/XACT Version 5.0.2	
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 Jun 16 07:32:13 EDT 2010
Device:	HTC_Touch_Pro2
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Wed Jun 16 07:32:13 EDT 2010 Acquisition finished: Wed Jun 16 07:37:22 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

5.2.107 SPT-04 (HTC Touch Pro 2)

<table>
<tr><td colspan="2">Test Case SPT-04 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-04 Acquire mobile device internal memory and review reported data via the preview-pane or generated reports for readability.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Jun 16 07:53:30 EDT 2010</td></tr>
<tr><td>Device:</td><td>HTC_Touch_Pro2</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Wed Jun 16 07:53:30 EDT 2010
Acquisition finished: Wed Jun 16 08:00:21 EDT 2010

Readability and completeness of acquired data was successful</td></tr>
<tr><td>Results:</td><td>
<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>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.108 SPT-05 (HTC Touch Pro 2)

<table>
<tr><th colspan="2">Test Case SPT-05 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-05 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Jun 16 08:00:46 EDT 2010</td></tr>
<tr><td>Device:</td><td>HTC_Touch_Pro2</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Wed Jun 16 08:00:46 EDT 2010
Acquisition finished: Wed Jun 16 08:02:36 EDT 2010

IMEI, MEID/ESN were acquired</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-05 Acquisition of MSISDN, IMSI.</td><td>as expected</td></tr>
<tr><td>SPT-CA-06 Acquisition of IMEI/MEID/ESN.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.109 SPT-06 (HTC Touch Pro 2)

<table>
<tr><th colspan="2">Test Case SPT-06 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-06 Acquire mobile device internal memory and review reported PIM related data.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Jun 16 08:06:04 EDT 2010</td></tr>
<tr><td>Device:</td><td>HTC_Touch_Pro2</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Wed Jun 16 08:06:04 EDT 2010
Acquisition finished: Wed Jun 16 08:13:12 EDT 2010

All address book entries were successfully acquired
ALL PIM related data was acquired</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-07 Acquisition of address book entries.</td><td>as expected</td></tr>
<tr><td>SPT-CA-08 Acquisition of maximum length address book entries.</td><td>as expected</td></tr>
<tr><td>SPT-CA-09 Acquisition of address book entries containing special characters.</td><td>as expected</td></tr>
<tr><td>SPT-CA-10 Acquisition of address book entries containing a blank name entry.</td><td>as expected</td></tr>
<tr><td>SPT-CA-11 Acquisition of embedded email addresses within address book entries.</td><td>as expected</td></tr>
<tr><td>SPT-CA-12 Acquisition of embedded graphics within address book entries.</td><td>as expected</td></tr>
<tr><td>SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).</td><td>as expected</td></tr>
<tr><td>SPT-CA-14 Acquisition of maximum length PIM data.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.110 SPT-07 (HTC Touch Pro 2)

<table>
<tr><th colspan="2">Test Case SPT-07 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-07 Acquire mobile device internal memory and review reported call logs.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Jun 16 08:15:19 EDT 2010</td></tr>
<tr><td>Device:</td><td>HTC_Touch_Pro2</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Wed Jun 16 08:15:19 EDT 2010
Acquisition finished: Wed Jun 16 08:18:58 EDT 2010

All Call Logs (incoming, outgoing, missed) were acquired
All Call Log date/time stamps data were correctly reported</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-15 Acquisition of call logs.</td><td>as expected</td></tr>
<tr><td>SPT-CA-16 Acquisition of call log date/time stamps.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.111 SPT-08 (HTC Touch Pro 2)

Test Case SPT-08 XRY/XACT Version 5.0.2	
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 Jun 16 08:35:15 EDT 2010
Device:	HTC_Touch_Pro2
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Wed Jun 16 08:35:15 EDT 2010 Acquisition finished: Wed Jun 16 08:40:46 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

5.2.112 SPT-09 (HTC Touch Pro 2)

<table>
<tr><td colspan="2">Test Case SPT-09 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-09 Acquire mobile device internal memory and review reported MMS multi-media related data (i.e., text, audio, graphics, video).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Jun 16 08:42:20 EDT 2010</td></tr>
<tr><td>Device:</td><td>HTC_Touch_Pro2</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Wed Jun 16 08:42:20 EDT 2010
Acquisition finished: Wed Jun 16 08:51:03 EDT 2010

ALL MMS messages (Audio, Image, Video) were acquired
<u>Notes</u>:
A physical acquisition had to be performed in order to retrieve the textual portion of MMS messages.</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-21 Acquisition of audio MMS messages.</td><td>as expected</td></tr>
<tr><td>SPT-CA-22 Acquisition of graphic data image MMS messages.</td><td>as expected</td></tr>
<tr><td>SPT-CA-23 Acquisition of video MMS messages.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.113 SPT-10 (HTC Touch Pro 2)

<table>
<tr><td colspan="2">Test Case SPT-10 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-10 Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Jun 16 09:08:03 EDT 2010</td></tr>
<tr><td>Device:</td><td>HTC_Touch_Pro2</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Wed Jun 16 09:08:03 EDT 2010
Acquisition finished: Wed Jun 16 09:09:40 EDT 2010

ALL stand-alone data files (Audio, Image, Video) were acquired</td></tr>
<tr><td>Results:</td><td>
<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>as expected</td></tr>
<tr><td>SPT-CA-25 Acquisition of stand-alone graphic files.</td><td>as expected</td></tr>
<tr><td>SPT-CA-26 Acquisition of stand-alone video files.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.114 SPT-11 (HTC Touch Pro 2)

<table>
<tr><th colspan="2">Test Case SPT-11 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-11 Acquire mobile device internal memory and review application related data (i.e., word documents, spreadsheet, presentation documents).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Jun 16 09:10:20 EDT 2010</td></tr>
<tr><td>Device:</td><td>HTC_Touch_Pro2</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Wed Jun 16 09:10:20 EDT 2010
Acquisition finished: Wed Jun 16 09:13:59 EDT 2010

All application data was acquired</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-27 Acquisition of application related data.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.115 SPT-12 (HTC Touch Pro 2)

Test Case SPT-12 XRY/XACT Version 5.0.2	
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 Jun 16 09:15:31 EDT 2010
Device:	HTC_Touch_Pro2
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Wed Jun 16 09:15:31 EDT 2010 Acquisition finished: Wed Jun 16 09:19:04 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

5.2.116 SPT-13 (HTC Touch Pro 2)

Test Case SPT-13 XRY/XACT Version 5.0.2	
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:	Wed Jun 16 09:19:31 EDT 2010
Device:	HTC_Touch_Pro2
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Wed Jun 16 09:19:31 EDT 2010 Acquisition finished: Wed Jun 16 09:28:38 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

5.2.117 SPT-24 (HTC Touch Pro 2)

<table>
<tr><td colspan="2">Test Case SPT-24 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-24 Acquire mobile device internal memory and review reported data via supported generated report formats.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Jun 16 09:39:04 EDT 2010</td></tr>
<tr><td>Device:</td><td>HTC_Touch_Pro2</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Wed Jun 16 09:39:04 EDT 2010
Acquisition finished: Wed Jun 16 09:41:52 EDT 2010

Complete representation of known data via generated reports was successful</td></tr>
<tr><td>Results:</td><td>
<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>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.118 SPT-25 (HTC Touch Pro 2)

<table>
<tr><td colspan="2">Test Case SPT-25 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-25 Acquire mobile device internal memory and review reported data via the preview pane.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Jun 16 09:42:14 EDT 2010</td></tr>
<tr><td>Device:</td><td>HTC_Touch_Pro2</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Wed Jun 16 09:42:14 EDT 2010
Acquisition finished: Wed Jun 16 09:45:47 EDT 2010

Complete representation of known data via preview-pane was successful</td></tr>
<tr><td>Results:</td><td>
<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>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.119 SPT-29 (HTC Touch Pro 2)

Test Case SPT-29 XRY/XACT Version 5.0.2	
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 Jun 16 09:46:18 EDT 2010
Device:	HTC_Touch_Pro2
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Wed Jun 16 09:46:18 EDT 2010 Acquisition finished: Wed Jun 16 09:49:53 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

5.2.120 SPT-31 (HTC Touch Pro 2)

<table>
<tr><td colspan="2">Test Case SPT-31 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-31 Perform a physical acquisition and review data output for readability.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Jun 16 10:00:33 EDT 2010</td></tr>
<tr><td>Device:</td><td>HTC_Touch_Pro2</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Wed Jun 16 10:00:33 EDT 2010
Acquisition finished: Wed Jun 16 10:05:58 EDT 2010

Physical Acquisition: readability and completeness was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-31 Physical acquisition, data is presented in a useable format.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.121 SPT-32 (HTC Touch Pro 2)

Test Case SPT-32 XRY/XACT Version 5.0.2	
Case Summary:	SPT-32 Perform a physical acquisition and review reports for recoverable deleted data.
Assertions:	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.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jun 16 10:06:22 EDT 2010
Device:	HTC_Touch_Pro2
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Wed Jun 16 10:06:22 EDT 2010 Acquisition finished: Wed Jun 16 10:12:30 EDT 2010 Deleted address book entries were not recovered - NA Deleted PIM data was not recovered - NA Deleted Call log data was not recovered - NA Deleted text message data was not recovered Deleted audio data was recovered Deleted graphic data was recovered Deleted video data was recovered
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-32 Physical acquisition, recovery of deleted address book entries.	NA
SPT-AO-33 Physical acquisition, recovery of deleted PIM data.	NA
SPT-AO-34 Physical acquisition, recovery of deleted call logs.	NA
SPT-AO-35 Physical acquisition, recovery of deleted SMS messages.	Not as expected
SPT-AO-36 Physical acquisition, recovery of deleted EMS	Not as

Test Case SPT-32 XRY/XACT Version 5.0.2		
	messages.	expected
	SPT-AO-37 Physical acquisition, recovery of deleted stand-alone audio files.	as expected
	SPT-AO-38 Physical acquisition, recovery of deleted graphic files.	as expected
	SPT-AO-39 Physical acquisition, recovery of deleted video files.	as expected
Analysis:	Partial results achieved	

5.2.122 SPT-33 (HTC Touch Pro 2)

<table>
<tr><td colspan="2">Test Case SPT-33 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-33 Acquire mobile device internal memory and review data containing non-ASCII characters.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Jun 16 10:21:22 EDT 2010</td></tr>
<tr><td>Device:</td><td>HTC_Touch_Pro2</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Wed Jun 16 10:21:22 EDT 2010
Acquisition finished: Wed Jun 16 10:25:18 EDT 2010

Non-ASCII Address book entries were acquired and properly displayed
Non-ASCII text messages were acquired and properly displayed</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></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>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.123 SPT-38 (HTC Touch Pro 2)

<table>
<tr><td colspan="2">Test Case SPT-38 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-38 Acquire mobile device internal memory and review hash values for vendor supported data objects.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Wed Jun 16 10:26:16 EDT 2010</td></tr>
<tr><td>Device:</td><td>HTC_Touch_Pro2</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Wed Jun 16 10:26:16 EDT 2010
Acquisition finished: Wed Jun 16 10:28:30 EDT 2010

Hash values were properly reported for individually acquired device data elements</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-43 Acquire data, check known hash values for consistency.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.124 SPT-01 (Blackberry 9630)

<table>
<tr><th colspan="2">Test Case SPT-01 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Mon Jun 21 09:41:51 EDT 2010</td></tr>
<tr><td>Device:</td><td>Blackberry_9630</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Mon Jun 21 09:41:51 EDT 2010
Acquisition finished: Mon Jun 21 09:45:33 EDT 2010

Device connectivity was established via supported interface</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr>
<tr><td>SPT-CA-04 Readability and completeness of acquired data via supported reports.</td><td>as expected</td></tr>
<tr><td>SPT-CA-29 Acquire-All data objects acquisition.</td><td>as expected</td></tr>
<tr><td>SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.125 SPT-02 (Blackberry 9630)

<table>
<tr><th colspan="2">Test Case SPT-02 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-02 Attempt internal memory acquisition of a non-supported mobile device.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Mon Jun 21 09:46:04 EDT 2010</td></tr>
<tr><td>Device:</td><td>unsupported_device</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Mon Jun 21 09:46:04 EDT 2010
Acquisition finished: Mon Jun 21 09:53:00 EDT 2010

Identification of non-supported devices was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-02 Identification of non-supported devices.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.126 SPT-03 (Blackberry 9630)

Test Case SPT-03 XRY/XACT Version 5.0.2	
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 Jun 21 09:53:26 EDT 2010
Device:	Blackberry_9630
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Mon Jun 21 09:53:26 EDT 2010 Acquisition finished: Mon Jun 21 09:57:19 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 (Blackberry 9630)

<table>
<tr><td colspan="2">Test Case SPT-04 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-04 Acquire mobile device internal memory and review reported data via the preview-pane or generated reports for readability.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Mon Jun 21 10:00:36 EDT 2010</td></tr>
<tr><td>Device:</td><td>Blackberry_9630</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Mon Jun 21 10:00:36 EDT 2010
Acquisition finished: Mon Jun 21 10:03:09 EDT 2010

Readability and completeness of acquired data was successful</td></tr>
<tr><td>Results:</td><td>
<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>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.128 SPT-05 (Blackberry 9630)

<table>
<tr><th colspan="2">Test Case SPT-05 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-05 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Mon Jun 21 10:03:38 EDT 2010</td></tr>
<tr><td>Device:</td><td>Blackberry_9630</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Mon Jun 21 10:03:38 EDT 2010
Acquisition finished: Mon Jun 21 10:09:11 EDT 2010

IMEI, MEID/ESN were acquired</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-05 Acquisition of MSISDN, IMSI.</td><td>as expected</td></tr>
<tr><td>SPT-CA-06 Acquisition of IMEI/MEID/ESN.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.129 SPT-06 (Blackberry 9630)

<table>
<tr><th colspan="2">Test Case SPT-06 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-06 Acquire mobile device internal memory and review reported PIM related data.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Mon Jun 21 10:09:45 EDT 2010</td></tr>
<tr><td>Device:</td><td>Blackberry_9630</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Mon Jun 21 10:09:45 EDT 2010
Acquisition finished: Mon Jun 21 10:15:27 EDT 2010

All address book entries were successfully acquired
ALL PIM related data was acquired</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-07 Acquisition of address book entries.</td><td>as expected</td></tr>
<tr><td>SPT-CA-08 Acquisition of maximum length address book entries.</td><td>as expected</td></tr>
<tr><td>SPT-CA-09 Acquisition of address book entries containing special characters.</td><td>as expected</td></tr>
<tr><td>SPT-CA-10 Acquisition of address book entries containing a blank name entry.</td><td>as expected</td></tr>
<tr><td>SPT-CA-11 Acquisition of embedded email addresses within address book entries.</td><td>as expected</td></tr>
<tr><td>SPT-CA-12 Acquisition of embedded graphics within address book entries.</td><td>as expected</td></tr>
<tr><td>SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).</td><td>as expected</td></tr>
<tr><td>SPT-CA-14 Acquisition of maximum length PIM data.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.130 SPT-07 (Blackberry 9630)

<table>
<tr><th colspan="2">Test Case SPT-07 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-07 Acquire mobile device internal memory and review reported call logs.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue Jun 22 07:56:02 EDT 2010</td></tr>
<tr><td>Device:</td><td>Blackberry_9630</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue Jun 22 07:56:02 EDT 2010
Acquisition finished: Tue Jun 22 08:01:37 EDT 2010

All Call Logs (incoming, outgoing, missed) were acquired
All Call Log date/time stamps data were correctly reported</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-15 Acquisition of call logs.</td><td>as expected</td></tr>
<tr><td>SPT-CA-16 Acquisition of call log date/time stamps.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.131 SPT-08 (Blackberry 9630)

<table>
<tr><th colspan="2">Test Case SPT-08 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-08 Acquire mobile device internal memory and review reported text messages.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue Jun 22 08:02:31 EDT 2010</td></tr>
<tr><td>Device:</td><td>Blackberry_9630</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue Jun 22 08:02:31 EDT 2010
Acquisition finished: Tue Jun 22 08:10:15 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</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-17 Acquisition of text messages.</td><td>as expected</td></tr>
<tr><td>SPT-CA-18 Acquisition of text message date/time stamps.</td><td>as expected</td></tr>
<tr><td>SPT-CA-19 Acquisition of text message status flags.</td><td>as expected</td></tr>
<tr><td>SPT-CA-20 Acquisition of sender/recipient phone number associated with text messages.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.132 SPT-09 (Blackberry 9630)

<table>
<tr><th colspan="2">Test Case SPT-09 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-09 Acquire mobile device internal memory and review reported MMS multi-media related data (i.e., text, audio, graphics, video).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue Jun 22 08:15:58 EDT 2010</td></tr>
<tr><td>Device:</td><td>Blackberry_9630</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue Jun 22 08:15:58 EDT 2010
Acquisition finished: Tue Jun 22 08:21:07 EDT 2010

Partial audio MMS messages were acquired
Partial image MMS messages were acquired
Video MMS messages were not acquired
<u>Notes</u>:
Associated text data was not reported for MMS messages. Video attachments were not acquired.</td></tr>
<tr><td>Results:</td><td>
<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>
</td></tr>
<tr><td>Analysis:</td><td>Expected results Not achieved</td></tr>
</table>

5.2.133 SPT-10 (Blackberry 9630)

<table>
<tr><th colspan="2">Test Case SPT-10 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-10 Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue Jun 22 08:23:33 EDT 2010</td></tr>
<tr><td>Device:</td><td>Blackberry_9630</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue Jun 22 08:23:33 EDT 2010
Acquisition finished: Tue Jun 22 09:36:41 EDT 2010

Audio files were acquired
Image files were acquired
Video files were not acquired</td></tr>
<tr><td>Results:</td><td>
<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>as expected</td></tr>
<tr><td>SPT-CA-25 Acquisition of stand-alone graphic files.</td><td>as expected</td></tr>
<tr><td>SPT-CA-26 Acquisition of stand-alone video files.</td><td>Not as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Partial results achieved</td></tr>
</table>

5.2.134 SPT-11 (Blackberry 9630)

<table>
<tr><th colspan="2">Test Case SPT-11 XRY/XACT Version 5.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-11 Acquire mobile device internal memory and review application related data (i.e., word documents, spreadsheet, presentation documents).</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue Jun 22 09:38:37 EDT 2010</td></tr>
<tr><td>Device:</td><td>Blackberry_9630</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue Jun 22 09:38:37 EDT 2010
Acquisition finished: Tue Jun 22 09:50:11 EDT 2010

All application data was acquired</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-27 Acquisition of application related data.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.135 SPT-13 (Blackberry 9630)

Test Case SPT-13 XRY/XACT Version 5.0.2	
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 Jun 22 09:52:38 EDT 2010
Device:	Blackberry_9630
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Tue Jun 22 09:52:38 EDT 2010 Acquisition finished: Tue Jun 22 09:54:59 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

5.2.136 SPT-24 (Blackberry 9630)

<table>
<tr><td colspan="2">Test Case SPT-24 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-24 Acquire mobile device internal memory and review reported data via supported generated report formats.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue Jun 22 09:55:41 EDT 2010</td></tr>
<tr><td>Device:</td><td>Blackberry_9630</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue Jun 22 09:55:41 EDT 2010
Acquisition finished: Tue Jun 22 10:01:04 EDT 2010

Complete representation of known data via generated reports was successful</td></tr>
<tr><td>Results:</td><td>
<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>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.137 SPT-25 (Blackberry 9630)

<table>
<tr><td colspan="2">Test Case SPT-25 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-25 Acquire mobile device internal memory and review reported data via the preview pane.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue Jun 22 10:01:33 EDT 2010</td></tr>
<tr><td>Device:</td><td>Blackberry_9630</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue Jun 22 10:01:33 EDT 2010
Acquisition finished: Tue Jun 22 10:02:52 EDT 2010

Complete representation of known data via preview-pane was successful</td></tr>
<tr><td>Results:</td><td>
<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>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.138 SPT-29 (Blackberry 9630)

Test Case SPT-29 XRY/XACT Version 5.0.2	
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 Jun 22 10:03:27 EDT 2010
Device:	Blackberry_9630
Source Setup:	OS: WIN XP Interface: cable
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Tue Jun 22 10:03:27 EDT 2010 Acquisition finished: Tue Jun 22 10:05:54 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

5.2.139 SPT-33 (Blackberry 9630)

<table>
<tr><td colspan="2">Test Case SPT-33 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-33 Acquire mobile device internal memory and review data containing non-ASCII characters.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue Jun 22 10:06:51 EDT 2010</td></tr>
<tr><td>Device:</td><td>Blackberry_9630</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue Jun 22 10:06:51 EDT 2010
Acquisition finished: Tue Jun 22 10:09:19 EDT 2010

Non-ASCII Address book entries were acquired and properly displayed
Non-ASCII text messages were acquired and properly displayed - NA</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></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>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.140 SPT-38 (Blackberry 9630)

<table>
<tr><td colspan="2">Test Case SPT-38 XRY/XACT Version 5.0.2</td></tr>
<tr><td>Case Summary:</td><td>SPT-38 Acquire mobile device internal memory and review hash values for vendor supported data objects.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>Morrisy</td></tr>
<tr><td>Test Date:</td><td>Tue Jun 22 10:10:11 EDT 2010</td></tr>
<tr><td>Device:</td><td>Blackberry_9630</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by Micro Systemation XRY/XACT Version 5.0.2
Acquisition started: Tue Jun 22 10:10:11 EDT 2010
Acquisition finished: Tue Jun 22 12:14:29 EDT 2010

Hash values were properly reported for individually acquired device data elements</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-43 Acquire data, check known hash values for consistency.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

About the National Institute of Justice

A component of the Office of Justice Programs, NIJ is the research, development and evaluation agency of the U.S. Department of Justice. NIJ's mission is to advance scientific research, development and evaluation to enhance the administration of justice and public safety. NIJ's principal authorities are derived from the Omnibus Crime Control and Safe Streets Act of 1968, as amended (see 42 U.S.C. §§ 3721–3723).

The NIJ Director is appointed by the President and confirmed by the Senate. The Director establishes the Institute's objectives, guided by the priorities of the Office of Justice Programs, the U.S. Department of Justice, and the needs of the field. The Institute actively solicits the views of criminal justice and other professionals and researchers to inform its search for the knowledge and tools to guide policy and practice.

Strategic Goals

NIJ has seven strategic goals grouped into three categories:

Creating relevant knowledge and tools

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.
5. Act as an honest broker to identify the information, tools and technologies that respond to the needs of stakeholders.

Agency management

6. Practice fairness and openness in the research and development process.
7. Ensure professionalism, excellence, accountability, cost-effectiveness and integrity in the management and conduct of NIJ activities and programs.

Program Areas

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In addition to sponsoring research and development and technology assistance, NIJ evaluates programs, policies, and technologies. NIJ communicates its research and evaluation findings through conferences and print and electronic media.

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