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Test Results for Mobile Device Acquisition Tool: Micro Systemation XRY v6.3.1

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Acting Director, National Institute of Justice

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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 Science and Technology Directorate (DHS S&T), and the National Institute of Standards and Technology Office of Law Enforcement Standards Office (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, the U.S. Internal Revenue Service Criminal Investigation Division Electronic Crimes Program, 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 Naval Postgraduate School, the National White Collar Crime Center, the Commodity Futures Trading Commission, the U.S. Postal Service, and the Securities and Exchange Commission. 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, for users to make informed choices, and for the legal community and others to understand the tools' capabilities. The CFTT 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/) for review and comment by the computer forensics community.

This document reports the results from testing Micro Systemation XRY version 6.3.1 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 tools 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, discuss any anomalies that were encountered, and provide documentation of test case run details that support the report summary. Section 2 gives justification for the selection of test cases from the set of possible cases defined in the test plan for Smart Phone forensic tools. The test cases are selected, in general, on the basis of features offered by the tool. Section 3 describes in more depth any anomalies summarized in the first section. Section 4 lists hardware and software used to run the test cases. Section 5

contains a description of each test case run. The description of each test run lists all test assertions used in the test case, the expected result, and the actual result. Please refer to the vendor's owner manual for guidance on using the tool.

Test Results for Mobile Device Data Acquisition Tool

Tool Tested:	XRY
Version:	6.3.1
Run Environment:	Microsoft Windows XP v5.1.2600
Supplier:	MSAB INC
Address:	2900 K-Street NW, Suite 505 Washington DC 20007
Tel:	205–536–1590
Fax:	888–395–9027
WWW:	http://www.msab.com

1 Results Summary

The XRY is a secure forensic software application that runs on the Windows operating system. It is designed to perform data extraction on a wide variety of mobile devices, such as smartphones, gps navigation units, 3G modems, portable music players and the latest tablet processors such as the iPad and Subscriber Identity Modules (SIM).

The tool was tested for its ability to acquire active and deleted data from the internal memory of mobile devices and SIMs. Except for the following anomalies, the tool acquired all supported data objects completely and accurately for all eight mobile devices tested.

Device connectivity:

- Connectivity to the mobile device was not established. (Motorola Tundra)

SIM acquisition disruption:

- When connectivity was interrupted, the tool failed to notify the user that the acquisition had been disrupted for the Subscriber Idenity Module. (iPhone4 GSM, BlackBerry Torch, Samsung Focus, Nokia 6350, Motorola Tundra, HTC Tilt2)

Physical acquisition:

- Deleted address book entries and calendar entries were not reported. (iPhone4 GSM, iPhone4 CDMA)

Refer to sections 3.1 – 3.3 for additional details.

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-1h) list the test cases available in Smartphone Examiner. Tables (2a-2h) list the test cases not available in Smartphone Examiner.

Table 1a: Selected Test Cases (iPhone4 GSM)

Supported Optional Feature	Cases Selected for Execution
Base cases	SPT-01, SPT-02, SPT-03, SPT-04, SPT-05, SPT-06, SPT-07, SPT-08, SPT-09, SPT-10, SPT-11, SPT-12, SPT-13
Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	SPT-14
Attempt acquisition of a nonsupported 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

Supported Optional Feature	Cases Selected for Execution
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 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
Acquire SIM memory and review hash values for vendor supported data objects.	SPT-39
Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.	SPT-40

Table 2a: Omitted Test Cases (iPhone4 GSM)

Unsupported Optional Feature	Cases omitted - not executed
Perform a stand-alone mobile device internal memory acquisition and review the status flags for text messages present on the SIM.	SPT-37

Table 1b: Selected Test Cases (BlackBerry Torch)

Supported Optional Feature	Cases Selected for Execution
Base cases	SPT-01, SPT-02, SPT-03, SPT-04, SPT-05, SPT-06, SPT-07, SPT-08, SPT-09, SPT-10, SPT-11, SPT-12, SPT-13
Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	SPT-14
Attempt acquisition of a nonsupported SIM.	SPT-15
Begin SIM acquisition and interrupt connectivity by interface disengagement.	SPT-16

Supported Optional Feature	Cases Selected for Execution
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
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 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	SPT-36

Supported Optional Feature	Cases Selected for Execution
an incorrect value.	
Acquire mobile device internal memory and review hash values for vendor supported data objects.	SPT-38
Acquire SIM memory and review hash values for vendor supported data objects.	SPT-39

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89 **Table 2b: Omitted Test Cases (BlackBerry Torch)**

Unsupported Optional Feature	Cases omitted - not executed
Perform a stand-alone mobile device internal memory acquisition and review the status flags for text messages present on the SIM.	SPT-37
Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.	SPT-40

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91 **Table 1c: Selected Test Cases (Samsung Focus)**

Supported Optional Feature	Cases Selected for Execution
Base cases	SPT-01, SPT-02, SPT-03, SPT-04, SPT-10, SPT-13
Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	SPT-14
Attempt acquisition of a nonsupported 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	SPT-26

Supported Optional Feature	Cases Selected for Execution
generated report formats.	
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 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
Acquire SIM memory and review hash values for vendor supported data objects.	SPT-39

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93 **Table 2c: Omitted Test Cases (Samsung Focus)**

Unsupported Optional Feature	Cases omitted - not executed
Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).	SPT-05
Acquire mobile device internal memory and review reported PIM related data.	SPT-06
Acquire mobile device internal memory and review reported call logs.	SPT-07
Acquire mobile device internal memory and review reported text messages.	SPT-08
Acquire mobile device internal memory and review reported MMS multi-media related data (i.e., text, audio, graphics, video).	SPT-09
Acquire mobile device internal memory and review application related data (i.e., word documents, spreadsheet, presentation documents).	SPT-11
Acquire mobile device internal memory and review Internet related data (i.e., bookmarks, visited sites.	SPT-12
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

Unsupported Optional Feature	Cases omitted - not executed
Perform a stand-alone mobile device internal memory acquisition and review the status flags for text messages present on the SIM.	SPT-37
Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.	SPT-40

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95 **Table 1d: Selected Test Cases (Nokia 6350)**

Supported Optional Feature	Cases Selected for Execution
Base cases	SPT-01, SPT-02, SPT-03, SPT-04, SPT-05, SPT-06, SPT-07, SPT-08, SPT-09, SPT-10, SPT-11, SPT-13
Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	SPT-14
Attempt acquisition of a nonsupported 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

Supported Optional Feature	Cases Selected for Execution
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
Acquire SIM memory and review hash values for vendor supported data objects.	SPT-39

Table 2d: Omitted Test Cases (Nokia 6350)

Unsupported Optional Feature	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 mobile device internal memory and review data containing GPS longitude and latitude coordinates.	SPT-40

Table 1e: Selected Test Cases (Motorola Tundra)

Supported Optional Feature	Cases Selected for Execution
Base cases	SPT-01
Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	SPT-14
Attempt acquisition of a nonsupported 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

Supported Optional Feature	Cases Selected for Execution
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
Acquire SIM memory and review hash values for vendor supported data objects.	SPT-39

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101 **Table 2e: Omitted Test Cases (Motorola Tundra)**

Unsupported Optional Feature	Cases omitted - not executed
Attempt internal memory acquisition of a nonsupported mobile device.	SPT-02
Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.	SPT-03
Acquire mobile device internal memory and review reported data via the preview pane or generated reports for readability.	SPT-04
Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).	SPT-05
Acquire mobile device internal memory and review reported PIM related data.	SPT-06
Acquire mobile device internal memory and review reported call logs.	SPT-07
Acquire mobile device internal memory and review reported text messages.	SPT-08
Acquire mobile device internal memory and review reported MMS	SPT-09

Unsupported Optional Feature	Cases omitted - not executed
multi-media related data (i.e., text, audio, graphics, video).	
Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).	SPT-10
Acquire mobile device internal memory and review application related data (i.e., word documents, spreadsheet, presentation documents).	SPT-11
Acquire mobile device internal memory and review Internet related data (i.e., bookmarks, visited sites.	SPT-12
Acquire mobile device internal memory by selecting a combination of supported data elements.	SPT-13
Acquire mobile device internal memory and review reported data via supported generated report formats.	SPT-24
Acquire mobile device internal memory and review reported data via the preview pane.	SPT-25
After a successful mobile device internal memory, alter the case file via third-party means and attempt to re-open the case.	SPT-29
Perform a physical acquisition and review data output for readability.	SPT-31
Perform a physical acquisition and review reports for recoverable deleted data.	SPT-32
Acquire mobile device internal memory and review data containing non-ASCII characters.	SPT-33
Perform a stand-alone mobile device internal memory acquisition and review the status flags for text messages present on the SIM.	SPT-37
Acquire mobile device internal memory and review hash values for vendor supported data objects.	SPT-38
Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.	SPT-40

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103 **Table 1f: Selected Test Cases (HTC Tilt2)**

Supported Optional Feature	Cases Selected for Execution
Base cases	SPT-01, SPT-02, SPT-03, SPT-04, SPT-05, SPT-06, SPT-07, SPT-08, SPT-09, SPT-10, SPT-11, SPT-12, SPT-13
Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	SPT-14
Attempt acquisition of a nonsupported 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	SPT-18

Supported Optional Feature	Cases Selected for Execution
Dialing Numbers (ADN).	
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
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 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
Acquire SIM memory and review hash values for vendor	SPT-39

Supported Optional Feature	Cases Selected for Execution
supported data objects.	

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105 **Table 2f: Omitted Test Cases (HTC Tilt2)**

Unsupported Optional Feature	Cases omitted - not executed
Perform a stand-alone mobile device internal memory acquisition and review the status flags for text messages present on the SIM.	SPT-37
Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.	SPT-40

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107 **Table 1g: Selected Test Cases (iPhone4 CDMA)**

Supported Optional Feature	Cases Selected for Execution
Base cases	SPT-01, SPT-02, SPT-03, SPT-04, SPT-05, SPT-06, SPT-07, SPT-08, SPT-09, SPT-10, SPT-11, SPT-12, SPT-13
Acquire mobile device internal memory and review reported data via supported generated 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
Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.	SPT-40

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109 **Table 2g: Omitted Test Cases (iPhone4 CDMA)**

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

Unsupported Optional Feature	Cases omitted - not executed
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

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111 **Table 1h: Selected Test Cases (HTC Thunderbolt)**

Supported Optional Feature	Cases Selected for Execution
Base cases	SPT-01, SPT-02, SPT-03, SPT-04, SPT-05, SPT-06, SPT-07, SPT-08, SPT-09, SPT-10, SPT-11, SPT-12, SPT-13
Acquire mobile device internal memory and review reported data via supported generated 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	SPT-29

Supported Optional Feature	Cases Selected for Execution
means and attempt to re-open the case.	
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
Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.	SPT-40

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113 **Table 2h: Omitted Test Cases (HTC Thunderbolt)**

Unsupported Optional Feature	Cases omitted - not executed
Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	SPT-14
Attempt acquisition of a nonsupported SIM.	SPT-15
Begin SIM acquisition and interrupt connectivity by interface disengagement.	SPT-16
Acquire SIM memory and review reported subscriber and equipment related information (i.e., SPN, ICCID, IMSI, MSISDN).	SPT-17
Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).	SPT-18
Acquire SIM memory and review reported Last Numbers Dialed (LND).	SPT-19
Acquire SIM memory and review reported text messages (SMS, EMS).	SPT-20
Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).	SPT-21
Acquire SIM memory and review reported location related data (i.e., LOCI, GPRSLOCI).	SPT-22
Acquire SIM memory by selecting a combination of supported data elements.	SPT-23
Acquire SIM memory and review reported data via supported generated report formats.	SPT-26
Acquire SIM memory and review reported data via the preview-pane.	SPT-27
Attempt acquisition of a password-protected SIM.	SPT-28
After a successful SIM acquisition, alter the case file via third-party means and attempt to re-open the case.	SPT-30
Perform a physical acquisition and review data output for readability.	SPT-31
Perform a physical acquisition and review reports for recoverable deleted data.	SPT-32
Acquire SIM memory and review data containing non-ASCII characters.	SPT-34
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	SPT-36

Unsupported Optional Feature	Cases omitted - not executed
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.	
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

3 Results by Test Assertion

A test assertion is a verifiable statement about a single condition after an action is performed by the tool under test. A test case usually checks a group of assertions after the action of a single execution of the tool under test. Test assertions are defined and linked to test cases in *Smart Phone Tool Test Assertions and Test Plan Version 1.0*.

Tables 3a – 3h summarize the test results by assertion. The column labeled **Assertions Tested** describes 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 any obverved anomalies are discussed.

Table 3a: Assertions Tested (iPhone4 GSM)

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 nonsupported 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	1	

Assertions Tested	Tests	Anomaly
device without error then address book entries shall be presented in a useable format.		
SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error then maximum length address book entries shall be presented in a useable format.	1	
SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing special characters shall be presented in a useable format.	1	
SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing blank names shall be presented in a useable format.	1	
SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error then email addresses associated with address book entries shall be presented in a useable format.	1	
SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error then graphics associated with address book entries shall be presented in a useable format.	1	
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	1	

Assertions Tested	Tests	Anomaly
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.	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-30 If a cellular forensic tool provides the user with a “Select All” individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error.	2	
SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition then the tool shall acquire each exclusive data object without error.	2	
SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.	1	
SPT-AO-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 nonsupported 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	1	3.2

Assertions Tested	Tests	Anomaly
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.	1	
SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error then the ICCID shall be presented in a useable format.	1	
SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error then the IMSI shall be presented in a useable format.	1	
SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error then the MSISDN shall be presented in a useable format.	1	
SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format.	1	
SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error then maximum length ADNs shall be presented in a useable format.	1	
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing special characters shall be presented in a useable format.	1	
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing blank names shall be presented in a useable format.	1	
SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error then Last Numbers Dialed (LND) shall be presented in a useable format.	1	
SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.	1	
SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII SMS text messages shall be presented in a useable format.	1	
SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII EMS text messages shall be presented in a useable format.	1	
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	

Assertions Tested	Tests	Anomaly
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-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.	1	
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.	1	
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.	2	
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.	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-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	3.3
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	1	3.3

Assertions Tested	Tests	Anomaly
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.	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	
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 ADNs in their native format.	2	
SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters then the application should present text messages in their native format.	2	
SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.	2	
SPT-AO-44 If the cellular forensic tool supports acquisition of GPS data then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format.	1	

Table 3b: Assertions Tested: (BlackBerry Torch)

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	1	

Assertions Tested	Tests	Anomaly
nonsupported 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.	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 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	

Assertions Tested	Tests	Anomaly
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 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-30 If a cellular forensic tool provides the user with a “Select	2	

Assertions Tested	Tests	Anomaly
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.	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 nonsupported 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	3.2
SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error then the SPN shall be presented in a useable format.	1	
SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error then the ICCID shall be presented in a useable format.	1	
SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error then the IMSI shall be presented in a useable format.	1	
SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error then the MSISDN shall be presented in a useable format.	1	
SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format.	1	
SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error then maximum length ADNs shall be presented in a useable format.	1	
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing special characters shall be presented in a useable format.	1	
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing blank names shall be presented in a useable format.	1	
SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error then Last Numbers Dialed (LND) shall be presented in a useable format.	1	
SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for LNDs	1	

Assertions Tested	Tests	Anomaly
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.	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-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.	1	
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.	1	
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.	2	
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.	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	1	

Assertions Tested	Tests	Anomaly
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.	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-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	
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 ADNs in their native format.	2	

Assertions Tested	Tests	Anomaly
SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters then the application should present text messages in their native format.	2	
SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.	2	

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130 **Table 3c: Assertions Tested: (Samsung Focus)**

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 nonsupported 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-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-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option then the tool shall complete the acquisition of all data objects without error.	2	
SPT-CA-30 If a cellular forensic tool provides the user with a “Select All” individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error.	2	
SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition then the tool shall acquire each exclusive data object without error.	2	
SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data	1	

Assertions Tested	Tests	Anomaly
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).	2	
SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported 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	3.2
SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error then the SPN shall be presented in a useable format.	1	
SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error then the ICCID shall be presented in a useable format.	1	
SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error then the IMSI shall be presented in a useable format.	1	
SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error then the MSISDN shall be presented in a useable format.	1	
SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format.	1	
SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error then maximum length ADNs shall be presented in a useable format.	1	
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing special characters shall be presented in a useable format.	1	
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing blank names shall be presented in a useable format.	1	
SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error then Last Numbers Dialed (LND) shall be presented in a useable format.	1	
SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.	1	
SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII SMS text messages shall be presented in a useable format.	1	
SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII EMS text messages shall be presented in a useable format.	1	

Assertions Tested	Tests	Anomaly
SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for all text messages shall be presented in a useable format.	1	
SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.	1	
SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.	1	
SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error then deleted text messages that have not been overwritten shall be presented in a useable format.	1	
SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., LOCI) shall be presented in a useable format.	1	
SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., GRPSLOCI) shall be presented in a useable format.	1	
SPT-AO-22 If a cellular forensic tool provides the user with an “Acquire All” SIM data objects acquisition option then the tool shall complete the acquisition of all data objects without error.	1	
SPT-AO-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.	1	
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.	1	
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.	2	
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.	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	

Assertions Tested	Tests	Anomaly
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters then the application should present ADNs in their native format.	1	
SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters then the application should present text messages in their native format.	1	
SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.	2	

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132 **Table 3d: Assertions Tested: (Nokia 6350)**

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 nonsupported 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	1	

Assertions Tested	Tests	Anomaly
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.	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	
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	

Assertions Tested	Tests	Anomaly
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-30 If a cellular forensic tool provides the user with a "Select All" individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error.	2	
SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object without error.	2	
SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.	1	
SPT-AO-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 nonsupported 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	3.2
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	1	

Assertions Tested	Tests	Anomaly
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.	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-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.	1	
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	1	

Assertions Tested	Tests	Anomaly
shall acquire each exclusive data object without error.		
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.	2	
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.	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.	2	

Table 3e: Assertions Tested: (Motorola Tundra)

Assertions Tested	Tests	Anomaly
SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).	1	3.1
SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.	1	
SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option then the tool shall complete the acquisition of all data objects without error.	1	
SPT-CA-30 If a cellular forensic tool provides the user with a “Select All” individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error.	1	
SPT-CA-31 If a cellular forensic tool provides the user with the ability	1	

Assertions Tested	Tests	Anomaly
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.	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 nonsupported 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	3.2
SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error then the SPN shall be presented in a useable format.	1	
SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error then the ICCID shall be presented in a useable format.	1	
SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error then the IMSI shall be presented in a useable format.	1	
SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error then the MSISDN shall be presented in a useable format.	1	
SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format.	1	
SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error then maximum length ADNs shall be presented in a useable format.	1	
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing special characters shall be presented in a useable format.	1	
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing blank names shall be presented in a useable format.	1	
SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error then Last Numbers Dialed (LND) shall be presented in a useable format.	1	
SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.	1	
SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII SMS text messages shall be presented in	1	

Assertions Tested	Tests	Anomaly
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.	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-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.	1	
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.	1	
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.	1	
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.	1	
SPT-AO-27 If the case file or individual data objects are modified via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification.	1	
SPT-AO-28 If the SIM is password-protected then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.	1	
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-40 If the cellular forensic tool supports display of non-ASCII characters then the application should present ADNs in their native format.	1	
SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters then the application should present text messages in their native format.	1	
SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.	1	

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136 **Table 3f: Assertions Tested: (HTC Tilt2)**

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 nonsupported 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	1	

Assertions Tested	Tests	Anomaly
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.	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 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	

Assertions Tested	Tests	Anomaly
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-30 If a cellular forensic tool provides the user with a "Select All" individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error.	2	
SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object without error.	2	
SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.	1	
SPT-AO-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 nonsupported 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	3.2
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	

Assertions Tested	Tests	Anomaly
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 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	

Assertions Tested	Tests	Anomaly
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-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.	1	
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.	1	
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.	2	
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.	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-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	1	

Assertions Tested	Tests	Anomaly
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.	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 ADNs in their native format.	2	
SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters then the application should present text messages in their native format.	2	
SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.	2	

Table 3g: Assertions Tested: (iPhone4 CDMA)

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 nonsupported 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	

Assertions Tested	Tests	Anomaly
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 numbers for text messages shall be presented in a useable format.	1	

Assertions Tested	Tests	Anomaly
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-30 If a cellular forensic tool provides the user with a “Select All” individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error.	2	
SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition then the tool shall acquire each exclusive data object without error.	2	
SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.	1	
SPT-AO-25 If a cellular forensic tool completes acquisition 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	1	

Assertions Tested	Tests	Anomaly
device 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.	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	3.3
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	3.3
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	
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	1	

Assertions Tested	Tests	Anomaly
their native format.		
SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.	1	
SPT-AO-44 If the cellular forensic tool supports acquisition of GPS data then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format.	1	

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140 **Table 3h: Assertions Tested: (HTC Thunderbolt)**

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 nonsupported 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	
SPT-CA-12 If a cellular forensic tool completes acquisition of the target	1	

Assertions Tested	Tests	Anomaly
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.	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	1	

Assertions Tested	Tests	Anomaly
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-30 If a cellular forensic tool provides the user with a "Select All" individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error.	2	
SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object without error.	2	
SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.	1	
SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format via supported generated report formats.	1	
SPT-AO-26 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format in a preview pane 'view.	1	
SPT-AO-27 If the case file or individual data objects are modified via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification.	1	
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters then the application should present address book entries in their native format.	1	
SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters then the application should present text messages in their native format.	1	
SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.	1	
SPT-AO-44 If the cellular forensic tool supports acquisition of GPS data then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format.	1	

141

142 Table 4a-4h list the assertions that were not tested, usually due to the tool not supporting
143 an optional feature.
144

145 **Table 4a: Assertions Not Tested (iPhone4 GSM)**

Assertions Not Tested
SPT-AO-42 If the cellular forensic tool supports stand-alone acquisition of internal memory with the SIM present, then the contents of the SIM shall not be modified during internal memory acquisition.

146

147 **Table 4b: Assertions Not Tested (BlackBerry Torch)**

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

148

149 **Table 4c: Assertions Not Tested (Samsung Focus)**

Assertions Not Tested
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

Assertions Not Tested
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 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-27 If a cellular forensic tool completes acquisition of the target device without error then device specific application related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.
SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.
SPT-AO-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

Assertions Not Tested
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.

150

151 **Table 4d: Assertions Not Tested (Nokia 6350)**

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-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

Assertions Not Tested
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.

152

153 **Table 4e: Assertions Not Tested (Motorola Tundra)**

Assertions Not Tested
SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device then the tool shall notify the user that the device is not supported.
SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted.
SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error then subscriber-related information shall be presented in a useable format.
SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error then equipment related information shall be presented in a useable format.
SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error then address book entries shall be presented in a useable format.
SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error then maximum length address book entries shall be presented in a useable format.
SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing special characters shall be presented in a useable format.
SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing blank names shall be presented in a useable format.
SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error then email addresses associated with address book entries shall be presented in a useable format.
SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error then graphics associated with address book entries shall be presented in a useable format.
SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error then datebook, calendar, note entries shall be presented in a useable format.
SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error then maximum length datebook, calendar, note entries shall be presented in a useable format.
SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without

Assertions Not Tested
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 useable format.
SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.
SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated audio shall be presented in a useable format.
SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated graphic files shall be presented in a useable format.
SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated video shall be presented in a useable format.
SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application.
SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application.
SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.
SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error then device specific application related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.
SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.
SPT-AO-31 If the cellular forensic tool supports a physical acquisition of the target device then the tool shall complete the acquisition without error.
SPT-AO-32 If the cellular forensic tool supports the interpretation of address book entries present on the target device then the tool shall report recoverable active and deleted data or address book data remnants in a useable format.
SPT-AO-33 If the cellular forensic tool supports the interpretation of calendar, tasks, or notes present on the target device then the tool shall report recoverable active and deleted calendar, tasks, or note data remnants in a useable format.

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

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155 **Table 4f: Assertions Not Tested (HTC Tilt2)**

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

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157 **Table 4g: Assertions Not Tested (iPhone4 CDMA)**

Assertions Not Tested
SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).
SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported 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

Assertions Not Tested
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.
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

Assertions Not Tested
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.

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159 **Table 4h: Assertions Not Tested (HTC Thunderbolt)**

Assertions Not Tested
SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).
SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported 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

Assertions Not Tested
error then Last Numbers Dialed (LND) shall be presented in a useable format.
SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.
SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII SMS text messages shall be presented in a useable format.
SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII EMS text messages shall be presented in a useable format.
SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for all text messages shall be presented in a useable format.
SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.
SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error then deleted text messages that have not been overwritten shall be presented in a useable format.
SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., LOCI) shall be presented in a useable format.
SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., GRPSLOCI) shall be presented in a useable format.
SPT-AO-22 If a cellular forensic tool provides the user with an “Acquire All” SIM data objects acquisition option then the tool shall complete the acquisition of all data objects without error.
SPT-AO-23 If a cellular forensic tool provides the user with a “Select All” individual SIM data objects then the tool shall complete the acquisition of all individually selected data objects without error.
SPT-AO-24 If a cellular forensic tool provides the user with the ability to “Select Individual” SIM data objects for acquisition then the tool shall acquire each exclusive data object without error.
SPT-AO-28 If the SIM is password-protected then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.
SPT-AO-29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts then the application should provide an accurate count of the remaining PIN attempts.
SPT-AO-30 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts then the application should provide an accurate count of the remaining PUK attempts.
SPT-AO-31 If the cellular forensic tool supports a physical acquisition of the target device then the tool shall complete the acquisition without error.
SPT-AO-32 If the cellular forensic tool supports the interpretation of address book entries present on the target device then the tool shall report recoverable active and deleted data

Assertions Not Tested
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.

The following sections provide detailed information for the anomalies from Tables 3a – 3h.

3.1 Device connectivity

For test case SPT-01, connectivity to the Motorola Tundra was not established using the supported interface. The device was listed in Windows device manager and files contained within the following folders were viewable using Windows Explorer: Documents, Pictures, unknown, Voice, Music, Programs, Video. Multiple attempts were made to establish connectivity. The following error was reported: “No devices found on cable connecion media.”

3.2 Notification of device acquisition disruption

Notification of SIM acquisition disruption was not succesful in Test case SPT-16 for Subscriber Identity Modules. The acquisition was disrupted by removing the SIM from the USB SIM reader. Instead of informing the examiner that connectivity with the SIM had been disrupted, the tool appeared to continue acquiring the contents of the Subscriber Idenity Module.

3.3 Physical Acquisition

For test case SPT-32, deleted address book entries and calendar entries were not reported.

4 Testing Environment

The tests were run in the NIST CFTT lab. This section describes the testing environment including available computers, mobile devices and the data objedts used to populate mobile devices and Subscriber Identity Modules.

4.1 Test Computers

One computer was used to run the tool: **Morrisy**.
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 lists the mobile devices used.

Table 4.2 Mobile Devices

Make	Model	OS	Network
Apple iPhone	4	iOS v4.3.3 (8J2)	AT&T
BlackBerry	9800 (Torch)	BlackBerry v6.0.0.526	AT&T
Samsung	SGH-i917 (Focus)	Windows Phone 7	AT&T
Nokia	6350	V13.1709-12-10 RM-455	AT&T
Motorola	Tundra	R63715_U_71.01.82R	AT&T
HTC	Tilt2	Windows Mobile 6.5	AT&T
Apple iPhone	4	iOS v5.0.1 (9A405)	Verizon
HTC	Thunderbolt	Android 2.2.1	Verizon

4.3 Internal memory data objects

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

Table 4.3 Internal memory data objects

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

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

4.4 Subscriber Identity Module data objects

The following data objects were used to populate the subscriber identity modules.

Table 4.4 Subscriber Identity Module data objects

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 tool with the test assertions. Conformance with each assertion tested by a given test case is evaluated by examining the **Log Highlights** box of the test report.

5.1 Test Results Report Key

The following table presents an explanation of each section of the test details in section 5.2. The Tester Name, Test Host, Test Date, Device, Source Setup and Log Highlights sections for each test case are populated by excerpts taken from the log files produced by the tool under test.

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, 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

The test results are presented in this section.

5.2.1 SPT-01 (iPhone4 GSM)

Test Case SPT-01 XRY v6.3.1	
Case Summary:	SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report. SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a “Select All” individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition then the tool shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.
Tester Name:	rpa

Test Case SPT-01 XRY v6.3.1	
Test Host:	Morrisy
Test Date:	Tue Jun 19 08:06:27 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 08:06:27 EDT 2012 Acquisition finished: Tue Jun 19 08:11:11 EDT 2012 Device connectivity was established via supported interface
Results:	

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

Analysis:	Expected results achieved

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231 5.2.2 SPT-02 (iPhone4 GSM)

Test Case SPT-02 XRY v6.3.1	
Case Summary:	SPT-02 Attempt internal memory acquisition of a nonsupported mobile device.
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device then the tool shall notify the user that the device is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 09:20:26 EDT 2012
Device:	unsupported_device
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 09:20:26 EDT 2012 Acquisition finished: Tue Jun 19 09:21:51 EDT 2012 Identification of nonsupported devices was successful
Results:	

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

Analysis:	Expected results achieved

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233 5.2.3 SPT-03 (iPhone4 GSM)

Test Case SPT-03 XRY v6.3.1	
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.

Test Case SPT-03 XRY v6.3.1	
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 09:16:19 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 09:16:19 EDT 2012 Acquisition finished: Tue Jun 19 09:19:02 EDT 2012 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

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235 5.2.4 SPT-04 (iPhone4 GSM)

Test Case SPT-04 XRY v6.3.1	
Case Summary:	SPT-04 Acquire mobile device internal memory and review reported data via the preview pane or generated reports for readability.
Assertions:	SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 08:18:21 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 08:18:21 EDT 2012 Acquisition finished: Tue Jun 19 08:20:24 EDT 2012 Readability and completeness of acquired data was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-04 Readability and completeness of acquired data via supported reports. / as expected
Analysis:	Expected results achieved

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237 5.2.5 SPT-05 (iPhone4 GSM)

Test Case SPT-05 XRY v6.3.1	
Case Summary:	SPT-05 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).
Assertions:	SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error then subscriber-related information shall be presented in a useable format. SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error then equipment related information shall be presented in a useable format.

Test Case SPT-05 XRY v6.3.1	
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 08:21:17 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 08:21:17 EDT 2012 Acquisition finished: Tue Jun 19 08:32:44 EDT 2012 Subscriber and Equipment related data (i.e., MSISDN, IMEI) were acquired
Results:	

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

Analysis:	Expected results achieved

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239 ## 5.2.6 SPT-06 (iPhone4 GSM)

Test Case SPT-06 XRY v6.3.1	
Case Summary:	SPT-06 Acquire mobile device internal memory and review reported PIM related data.
Assertions:	SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error then address book entries shall be presented in a useable format. SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error then maximum length address book entries shall be presented in a useable format. SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing special characters shall be presented in a useable format. SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing blank names shall be presented in a useable format. SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error then email addresses associated with address book entries shall be presented in a useable format. SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error then graphics associated with address book entries shall be presented in a useable format. SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error then datebook, calendar, note entries shall be presented in a useable format. SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error then maximum length datebook, calendar, note entries shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 08:33:17 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 08:33:17 EDT 2012 Acquisition finished: Tue Jun 19 08:36:38 EDT 2012 All address book entries were successfully acquired ALL PIM related data was acquired
Results:	

Test Case SPT-06 XRY v6.3.1	
	Assertion & Expected Result / **Actual Result** SPT-CA-07 Acquisition of address book entries. — as expected SPT-CA-08 Acquisition of maximum length address book entries. — as expected SPT-CA-09 Acquisition of address book entries containing special characters. — as expected SPT-CA-10 Acquisition of address book entries containing a blank name entry. — as expected SPT-CA-11 Acquisition of embedded email addresses within address book entries. — as expected SPT-CA-12 Acquisition of embedded graphics within address book entries. — as expected SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes). — as expected SPT-CA-14 Acquisition of maximum length PIM data. — as expected
Analysis:	Expected results achieved

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241 ## 5.2.7 SPT-07 (iPhone4 GSM)

Test Case SPT-07 XRY v6.3.1	
Case Summary:	SPT-07 Acquire mobile device internal memory and review reported call logs.
Assertions:	SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error then call logs (incoming/outgoing/missed) shall be presented in a useable format. SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 08:37:45 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 08:37:45 EDT 2012 Acquisition finished: Tue Jun 19 08:40:50 EDT 2012 All Call Logs (incoming, outgoing, missed) were acquired All Call Log date/time stamps data were correctly reported
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-15 Acquisition of call logs. — as expected SPT-CA-16 Acquisition of call log date/time stamps. — as expected
Analysis:	Expected results achieved

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243 ## 5.2.8 SPT-08 (iPhone4 GSM)

Test Case SPT-08 XRY v6.3.1	
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

Test Case SPT-08 XRY v6.3.1	
	messages shall be presented in a useable format. SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 08:41:35 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 08:41:35 EDT 2012 Acquisition finished: Tue Jun 19 08:48:38 EDT 2012 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

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245 ## 5.2.9 SPT-09 (iPhone4 GSM)

Test Case SPT-09 XRY v6.3.1	
Case Summary:	SPT-09 Acquire mobile device internal memory and review reported MMS multi-media related data (i.e., text, audio, graphics, video).
Assertions:	SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated audio shall be presented in a useable format. SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated graphic files shall be presented in a useable format. SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated video shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 08:49:12 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 08:49:12 EDT 2012 Acquisition finished: Tue Jun 19 08:56:07 EDT 2012 ALL MMS messages (Audio, Image, Video) were acquired
Results:	

Test Case SPT-09 XRY v6.3.1	
	Assertion & Expected Result / **Actual Result** SPT-CA-21 Acquisition of audio MMS messages. / as expected SPT-CA-22 Acquisition of graphic data image MMS messages. / as expected SPT-CA-23 Acquisition of video MMS messages. / as expected
Analysis:	Expected results achieved

5.2.10 SPT-10 (iPhone4 GSM)

Test Case SPT-10 XRY v6.3.1	
Case Summary:	SPT-10 Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).
Assertions:	SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 08:56:35 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 08:56:35 EDT 2012 Acquisition finished: Tue Jun 19 09:13:47 EDT 2012 ALL stand-alone data files (Audio, Image, Video) were acquired
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-24 Acquisition of stand-alone audio files. / as expected SPT-CA-25 Acquisition of stand-alone graphic files. / as expected SPT-CA-26 Acquisition of stand-alone video files. / as expected
Analysis:	Expected results achieved

5.2.11 SPT-11 (iPhone4 GSM)

Test Case SPT-11 XRY v6.3.1	
Case Summary:	SPT-11 Acquire mobile device internal memory and review application related data (i.e., word documents, spreadsheet, presentation documents).
Assertions:	SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error then device specific application related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jun 21 09:06:36 EDT 2012

Test Case SPT-11 XRY v6.3.1	
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 21 09:06:36 EDT 2012 Acquisition finished: Thu Jun 21 09:06:53 EDT 2012 All application data was acquired **Notes**: Application data was recovered by performing a physical acquisition.
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-27 Acquisition of application related data. / as expected
Analysis:	Expected results achieved

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251 5.2.12 SPT-12 (iPhone4 GSM)

Test Case SPT-12 XRY v6.3.1	
Case Summary:	SPT-12 Acquire mobile device internal memory and review Internet related data (i.e., bookmarks, visited sites.
Assertions:	SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 09:17:18 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 09:17:18 EDT 2012 Acquisition finished: Tue Jun 19 09:19:25 EDT 2012 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

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253 5.2.13 SPT-13 (iPhone4 GSM)

Test Case SPT-13 XRY v6.3.1	
Case Summary:	SPT-13 Acquire mobile device internal memory by selecting a combination of supported data elements.
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with an “Select All” individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition then the tool shall acquire each exclusive data object without error.

Test Case SPT-13 XRY v6.3.1	
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 09:22:25 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 09:22:25 EDT 2012 Acquisition finished: Tue Jun 19 09:23:58 EDT 2012 Acquire All acquisition was successful
Results:	

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

Analysis:	Expected results achieved

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255 ## 5.2.14 SPT-14 (iPhone4 GSM)

Test Case SPT-14 XRY v6.3.1	
Case Summary:	SPT-14 Acquire SIM memory over supported interfaces (e.g., PC/SC reader).
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 09:34:39 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 09:34:39 EDT 2012 Acquisition finished: Tue Jun 19 09:37:51 EDT 2012 Media connectivity was established via supported interface
Results:	

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

Analysis:	Expected results achieved

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257 ## 5.2.15 SPT-15 (iPhone4 GSM)

Test Case SPT-15 XRY v6.3.1	
Case Summary:	SPT-15 Attempt acquisition of a nonsupported SIM.
Assertions:	SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM then the tool shall notify the user that the SIM is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 09:46:10 EDT 2012

Test Case SPT-15 XRY v6.3.1	
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 09:46:10 EDT 2012 Acquisition finished: Tue Jun 19 09:48:16 EDT 2012 Identification of nonsupported media was successful
Results:	

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

Analysis:	Expected results achieved

5.2.16 SPT-16 (iPhone4 GSM)

Test Case SPT-16 XRY v6.3.1	
Case Summary:	SPT-16 Begin SIM acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 09:49:39 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 09:49:39 EDT 2012 Acquisition finished: Tue Jun 19 09:57:01 EDT 2012 Media acquisition disruption notification was not successful
Results:	

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

Analysis:	Expected results not achieved

5.2.17 SPT-17 (iPhone4 GSM)

Test Case SPT-17 XRY v6.3.1	
Case Summary:	SPT-17 Acquire SIM memory and review reported subscriber and equipment related information (i.e., SPN, ICCID, IMSI, MSISDN).
Assertions:	SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error then the SPN shall be presented in a useable format. SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error then the ICCID shall be presented in a useable format. SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error then the IMSI shall be presented in a useable format. SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error then the MSISDN shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 09:58:35 EDT 2012
Device:	iPhone4_GSM

Test Case SPT-17 XRY v6.3.1	
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 09:58:35 EDT 2012 Acquisition finished: Tue Jun 19 10:00:24 EDT 2012 All subscriber-related data (i.e., SPN, ICCID, IMSI, MSISDN) was acquired
Results:	

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

Analysis:	Expected results achieved

5.2.18 SPT-18 (iPhone4 GSM)

Test Case SPT-18 XRY v6.3.1	
Case Summary:	SPT-18 Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).
Assertions:	SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format. SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error then maximum length ADNs shall be presented in a useable format. SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing special characters shall be presented in a useable format. SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing blank names shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 10:01:01 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 10:01:01 EDT 2012 Acquisition finished: Tue Jun 19 10:03:18 EDT 2012 All ADNs were acquired
Results:	

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

Analysis:	Expected results achieved

5.2.19 SPT-19 (iPhone4 GSM)

Test Case SPT-19 XRY v6.3.1

Test Case SPT-19 XRY v6.3.1	
Case Summary:	SPT-19 Acquire SIM memory and review reported Last Numbers Dialed (LND).
Assertions:	SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error then Last Numbers Dialed (LND) shall be presented in a useable format. SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 10:05:00 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 10:05:00 EDT 2012 Acquisition finished: Tue Jun 19 10:07:21 EDT 2012 LNDs were acquired Date/Time Stamps correctly reported for LNDs
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-12 Acquisition of LNDs. / as expected SPT-AO-13 Acquisition of LND date/time stamps. / as expected
Analysis:	Expected results achieved

5.2.20 SPT-20 (iPhone4 GSM)

Test Case SPT-20 XRY v6.3.1	
Case Summary:	SPT-20 Acquire SIM memory and review reported text messages (SMS, EMS).
Assertions:	SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII SMS text messages shall be presented in a useable format. SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII EMS text messages shall be presented in a useable format. SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for all text messages shall be presented in a useable format. SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 10:07:44 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 10:07:44 EDT 2012 Acquisition finished: Tue Jun 19 10:10:01 EDT 2012 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

Test Case SPT-20 XRY v6.3.1	
	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

5.2.21 SPT-21 (iPhone4 GSM)

Test Case SPT-21 XRY v6.3.1	
Case Summary:	SPT-21 Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).
Assertions:	SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error then deleted text messages that have not been overwritten shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 10:10:34 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 10:10:34 EDT 2012 Acquisition finished: Tue Jun 19 10:16:33 EDT 2012 Deleted text message data was recovered
Results:	

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

Analysis:	Expected results achieved

5.2.22 SPT-22 (iPhone4 GSM)

Test Case SPT-22 XRY v6.3.1	
Case Summary:	SPT-22 Acquire SIM memory and review reported location related data (i.e., LOCI, GPRSLOCI).
Assertions:	SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., LOCI) shall be presented in a useable format. SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., GRPSLOCI) shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 10:17:19 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB

Test Case SPT-22 XRY v6.3.1	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 10:17:19 EDT 2012 Acquisition finished: Tue Jun 19 10:19:45 EDT 2012 LOCI data was acquired GPRSLOCI data was acquired
Results:	

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

Analysis:	Expected results achieved

5.2.23 SPT-23 (iPhone4 GSM)

Test Case SPT-23 XRY v6.3.1	
Case Summary:	SPT-23 Acquire SIM memory by selecting a combination of supported data elements.
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself). SPT-AO-22 If a cellular forensic tool provides the user with an “Acquire All” SIM data objects acquisition option then the tool shall complete the acquisition of all data objects without error. 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.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 10:20:16 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 10:20:16 EDT 2012 Acquisition finished: Tue Jun 19 10:26:35 EDT 2012 Acquire All acquisition was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-01 SIM connectivity via supported interfaces.	as expected
SPT-AO-22 Acquire-All data objects acquisition.	as expected
SPT-AO-23 Select-All data objects acquisition.	as expected
SPT-AO-24 Select-Individual data objects acquisition.	as expected

Analysis:	Expected results achieved

5.2.24 SPT-24 (iPhone4 GSM)

Test Case SPT-24 XRY v6.3.1	
Case	SPT-24 Acquire mobile device internal memory and review reported data via

Test Case SPT-24 XRY v6.3.1	
Summary:	supported generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format via supported generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 10:27:14 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 10:27:14 EDT 2012 Acquisition finished: Tue Jun 19 10:33:23 EDT 2012 Complete representation of known data via generated reports was successful
Results:	

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

Analysis:	Expected results achieved

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279 ## 5.2.25 SPT-25 (iPhone4 GSM)

Test Case SPT-25 XRY v6.3.1	
Case Summary:	SPT-25 Acquire mobile device internal memory and review reported data via the preview pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format in a preview pane ’view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 10:34:02 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 10:34:02 EDT 2012 Acquisition finished: Tue Jun 19 10:35:36 EDT 2012 Complete representation of known data via was successful
Results:	

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

Analysis:	Expected results achieved

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282 ## 5.2.26 SPT-26 (iPhone4 GSM)

Test Case SPT-26 XRY v6.3.1	
Case Summary:	SPT-26 Acquire SIM memory and review reported data via supported generated report formats.

Test Case SPT-26 XRY v6.3.1	
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable format via supported generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 10:36:55 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 10:36:55 EDT 2012 Acquisition finished: Tue Jun 19 10:40:45 EDT 2012 Complete representation of known data via generated reports was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-25 Comparison of known device data elements via generated reports. / as expected
Analysis:	Expected results achieved

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284 5.2.27 SPT-27 (iPhone4 GSM)

Test Case SPT-27 XRY v6.3.1	
Case Summary:	SPT-27 Acquire SIM memory and review reported data via the preview-pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable format in a preview pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 10:41:08 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 10:41:08 EDT 2012 Acquisition finished: Tue Jun 19 10:46:27 EDT 2012 Complete representation of known data via preview pane was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-26 Comparison of known device data elements via preview-pane. / as expected
Analysis:	Expected results achieved

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287 5.2.28 SPT-28 (iPhone4 GSM)

Test Case SPT-28 XRY v6.3.1	
Case Summary:	SPT-28 Attempt acquisition of a password-protected SIM.
Assertions:	SPT-AO-28 If the SIM is password-protected then the cellular forensic tool

Test Case SPT-28 XRY v6.3.1	
	shall provide the examiner with the opportunity to input the PIN before acquisition.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 13:42:50 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 13:42:50 EDT 2012 Acquisition finished: Tue Jun 19 13:48:14 EDT 2012 Ability to enter PIN on protected media before acquisition was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-28 Acquisition of password word protected SIM. / as expected
Analysis:	Expected results achieved

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289 ## 5.2.29 SPT-29 (iPhone4 GSM)

Test Case SPT-29 XRY v6.3.1	
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 19 13:43:38 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 13:43:38 EDT 2012 Acquisition finished: Tue Jun 19 13:48:56 EDT 2012 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

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291 ## 5.2.30 SPT-30 (iPhone4 GSM)

Test Case SPT-30 XRY v6.3.1	
Case Summary:	SPT-30 After a successful SIM acquisition, alter the case file via third-party means and attempt to re-open the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 13:43:57 EDT 2012

Test Case SPT-30 XRY v6.3.1	
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 13:43:57 EDT 2012 Acquisition finished: Tue Jun 19 13:49:23 EDT 2012 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

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293 ## 5.2.31 SPT-31 (iPhone4 GSM)

Test Case SPT-31 XRY v6.3.1	
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 20 13:14:22 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 20 13:14:22 EDT 2012 Acquisition finished: Wed Jun 20 13:35:49 EDT 2012 Physical Acquisition: readability and completeness was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-31 Physical acquisition, data is presented in a useable format. / as expected
Analysis:	Expected results achieved

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295 ## 5.2.32 SPT-32 (iPhone4 GSM)

Test Case SPT-32 XRY v6.3.1	
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

Test Case SPT-32 XRY v6.3.1	
	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:	Fri Jun 22 12:57:14 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 22 12:57:14 EDT 2012 Acquisition finished: Fri Jun 22 13:13:43 EDT 2012 Deleted address book entries were not recovered Deleted PIM data was partially recovered Deleted Call log data was recovered Deleted text message data was recovered Deleted audio data was not recovered - NA Deleted graphic data was not recovered - NA Deleted video data was not recovered – NA **Notes:** Deleted calendar entries were not reported.
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-32 Physical acquisition, recovery of deleted address book entries. — Not as expected SPT-AO-33 Physical acquisition, recovery of deleted PIM data. — Partial SPT-AO-34 Physical acquisition, recovery of deleted call logs. — as expected SPT-AO-35 Physical acquisition, recovery of deleted SMS messages. — as expected SPT-AO-36 Physical acquisition, recovery of deleted EMS messages. — as 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 partially achieved

296 ## 5.2.33 SPT-33 (iPhone4 GSM)

Test Case SPT-33 XRY v6.3.1

Test Case SPT-33 XRY v6.3.1	
Case Summary:	SPT-33 Acquire mobile device internal memory and review data containing non-ASCII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters then the application should present address book entries in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters then the application should present text messages in their native format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 14:04:54 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 14:04:54 EDT 2012 Acquisition finished: Tue Jun 19 14:12:10 EDT 2012 Non-ASCII Address book entries were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed
Results:	

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

Analysis:	Expected results achieved

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298 ## 5.2.34 SPT-34 (iPhone4 GSM)

Test Case SPT-34 XRY v6.3.1	
Case Summary:	SPT-34 Acquire SIM memory and review data containing non-ASCII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters then the application should present ADNs in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters then the application should present text messages in their native format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 14:05:17 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 14:05:17 EDT 2012 Acquisition finished: Tue Jun 19 14:12:20 EDT 2012 Non-ASCII ADNs were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed
Results:	

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

Test Case SPT-34 XRY v6.3.1	
Analysis:	Expected results achieved

5.2.35 SPT-35 (iPhone4 GSM)

Test Case SPT-35 XRY v6.3.1	
Case Summary:	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.
Assertions:	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.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jun 20 07:20:04 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 20 07:20:04 EDT 2012 Acquisition finished: Wed Jun 20 07:31:23 EDT 2012 The remaining number of PIN attempts were properly displayed
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-29 Display remaining number of PIN attempts. / as expected
Analysis:	Expected results achieved

5.2.36 SPT-36 (iPhone4 GSM)

Test Case SPT-36 XRY v6.3.1	
Case Summary:	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.
Assertions:	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.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jun 20 07:20:23 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 20 07:20:23 EDT 2012 Acquisition finished: Wed Jun 20 07:31:42 EDT 2012 Remaining number of PUK attempts were properly displayed
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-30 Display remaining number of PUK attempts. / as expected
Analysis:	Expected results achieved

5.2.37 SPT-38 (iPhone4 GSM)

Test Case SPT-38 XRY v6.3.1	
Case Summary:	SPT-38 Acquire mobile device internal memory and review hash values for vendor supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 14:15:57 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 14:15:57 EDT 2012 Acquisition finished: Tue Jun 19 14:17:13 EDT 2012 Hash values were properly reported for individually acquired device data elements
Results:	

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

Analysis:	Expected results achieved

5.2.38 SPT-39 (iPhone4 GSM)

Test Case SPT-39 XRY v6.3.1	
Case Summary:	SPT-39 Acquire SIM memory and review hash values for vendor supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 14:16:19 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 14:16:19 EDT 2012 Acquisition finished: Tue Jun 19 14:17:23 EDT 2012 Hash values were properly reported for individually acquired SIM data elements
Results:	

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

Analysis:	Expected results achieved

5.2.39 SPT-40 (iPhone4 GSM)

Test Case SPT-40 XRY v6.3.1	
Case Summary:	SPT-40 Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.
Assertions:	SPT-AO-44 If the cellular forensic tool supports acquisition of GPS data then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 14:17:54 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 14:17:54 EDT 2012 Acquisition finished: Tue Jun 19 14:20:10 EDT 2012 GPS Coordinate data was successfully acquired
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-44 Acquire data, check GPS data for consistency. / as expected
Analysis:	Expected results achieved

5.2.40 SPT-01 (BlackBerry Torch)

Test Case SPT-01 XRY v6.3.1	
Case Summary:	SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report. SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a “Select All” individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition then the tool shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 07:36:53 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 07:36:53 EDT 2012 Acquisition finished: Tue Jul 10 07:39:23 EDT 2012 Device connectivity was established via supported interface

Test Case SPT-01 XRY v6.3.1	
Results:	

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

Analysis:	Expected results achieved

5.2.41 SPT-02 (BlackBerry Torch)

Test Case SPT-02 XRY v6.3.1	
Case Summary:	SPT-02 Attempt internal memory acquisition of a nonsupported mobile device.
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device then the tool shall notify the user that the device is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 07:41:19 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 07:41:19 EDT 2012 Acquisition finished: Tue Jul 10 07:43:04 EDT 2012 Identification of nonsupported devices was successful
Results:	

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

Analysis:	Expected results achieved

5.2.42 SPT-03 (BlackBerry Torch)

Test Case SPT-03 XRY v6.3.1	
Case Summary:	SPT-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 07:44:30 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 07:44:30 EDT 2012 Acquisition finished: Tue Jul 10 07:46:23 EDT 2012

Test Case SPT-03 XRY v6.3.1	
	Device acquisition disruption notification was successful
Results:	<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>
Analysis:	Expected results achieved

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315 ## 5.2.43 SPT-04 (BlackBerry Torch)

Test Case SPT-04 XRY v6.3.1	
Case Summary:	SPT-04 Acquire mobile device internal memory and review reported data via the preview pane or generated reports for readability.
Assertions:	SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 07:47:01 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 07:47:01 EDT 2012 Acquisition finished: Tue Jul 10 07:51:13 EDT 2012 Readability and completeness of acquired data was successful
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-CA-04 Readability and completeness of acquired data via supported reports.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

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317 ## 5.2.44 SPT-05 (BlackBerry Torch)

Test Case SPT-05 XRY v6.3.1	
Case Summary:	SPT-05 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).
Assertions:	SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error then subscriber-related information shall be presented in a useable format. SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error then equipment related information shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 07:51:56 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 07:51:56 EDT 2012 Acquisition finished: Tue Jul 10 07:53:49 EDT 2012

Test Case SPT-05 XRY v6.3.1	
	Subscriber and Equipment related data (i.e., MSISDN, IMEI) were acquired
Results:	

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

Analysis:	Expected results achieved

5.2.45 SPT-06 (BlackBerry Torch)

Test Case SPT-06 XRY v6.3.1	
Case Summary:	SPT-06 Acquire mobile device internal memory and review reported PIM related data.
Assertions:	SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error then address book entries shall be presented in a useable format. SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error then maximum length address book entries shall be presented in a useable format. SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing special characters shall be presented in a useable format. SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing blank names shall be presented in a useable format. SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error then email addresses associated with address book entries shall be presented in a useable format. SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error then graphics associated with address book entries shall be presented in a useable format. SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error then datebook, calendar, note entries shall be presented in a useable format. SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error then maximum length datebook, calendar, note entries shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 08:22:22 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 08:22:22 EDT 2012 Acquisition finished: Tue Jul 10 08:25:35 EDT 2012 All address book entries were successfully acquired ALL PIM related data was acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-07 Acquisition of address book entries.	as expected
SPT-CA-08 Acquisition of maximum length address book entries.	as expected
SPT-CA-09 Acquisition of address book entries containing special characters.	as expected
SPT-CA-10 Acquisition of address book entries containing a blank name entry.	as expected
SPT-CA-11 Acquisition of embedded email addresses within address book entries.	as expected
SPT-CA-12 Acquisition of embedded graphics within address	as expected

Test Case SPT-06 XRY v6.3.1	
	book entries. | | SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes). | as expected SPT-CA-14 Acquisition of maximum length PIM data. | as expected
Analysis:	Expected results achieved

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321 5.2.46 SPT-07 (BlackBerry Torch)

Test Case SPT-07 XRY v6.3.1	
Case Summary:	SPT-07 Acquire mobile device internal memory and review reported call logs.
Assertions:	SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error then call logs (incoming/outgoing/missed) shall be presented in a useable format. SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 08:26:37 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 08:26:37 EDT 2012 Acquisition finished: Tue Jul 10 08:29:23 EDT 2012 All Call Logs (incoming, outgoing, missed) were acquired All Call Log date/time stamps data were correctly reported
Results:	**Assertion & Expected Result** | **Actual Result** SPT-CA-15 Acquisition of call logs. | as expected SPT-CA-16 Acquisition of call log date/time stamps. | as expected
Analysis:	Expected results achieved

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323 5.2.47 SPT-08 (BlackBerry Torch)

Test Case SPT-08 XRY v6.3.1	
Case Summary:	SPT-08 Acquire mobile device internal memory and review reported text messages.
Assertions:	SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format. SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps for text messages shall be presented in a useable format. SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 08:30:21 EDT 2012
Device:	BlackBerry_Torch
Source	OS: WIN XP v5.1.2600

Test Case SPT-08 XRY v6.3.1	
Setup:	Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 08:30:21 EDT 2012 Acquisition finished: Tue Jul 10 08:33:37 EDT 2012 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

5.2.48 SPT-09 (BlackBerry Torch)

Test Case SPT-09 XRY v6.3.1	
Case Summary:	SPT-09 Acquire mobile device internal memory and review reported MMS multi-media related data (i.e., text, audio, graphics, video).
Assertions:	SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated audio shall be presented in a useable format. SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated graphic files shall be presented in a useable format. SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated video shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 08:34:05 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 08:34:05 EDT 2012 Acquisition finished: Tue Jul 10 08:37:21 EDT 2012 ALL MMS messages (Audio, Image, Video) were acquired
Results:	

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

Analysis:	Expected results achieved

5.2.49 SPT-10 (BlackBerry Torch)

Test Case SPT-10 XRY v6.3.1	
Case Summary:	SPT-10 Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).
Assertions:	SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 08:38:07 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 08:38:07 EDT 2012 Acquisition finished: Tue Jul 10 08:43:31 EDT 2012 ALL stand-alone data files (Audio, Image, Video) were acquired
Results:	

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

Analysis:	Expected results achieved

5.2.50 SPT-11 (BlackBerry Torch)

Test Case SPT-11 XRY v6.3.1	
Case Summary:	SPT-11 Acquire mobile device internal memory and review application related data (i.e., word word documents, spreadsheet, presentation documents).
Assertions:	SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error then device specific application related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 08:47:04 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 08:47:04 EDT 2012 Acquisition finished: Tue Jul 10 08:48:20 EDT 2012 All application data was acquired
Results:	

Assertion & Expected Result	**Actual Result**

Test Case SPT-11 XRY v6.3.1	
	SPT-CA-27 Acquisition of application related data. | as expected
Analysis:	Expected results achieved

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331 5.2.51 SPT-12 (BlackBerry Torch)

Test Case SPT-12 XRY v6.3.1	
Case Summary:	SPT-12 Acquire mobile device internal memory and review Internet related data (i.e., bookmarks, visited sites.
Assertions:	SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 08:48:48 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 08:48:48 EDT 2012 Acquisition finished: Tue Jul 10 08:51:09 EDT 2012 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

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333 5.2.52 SPT-13 (BlackBerry Torch)

Test Case SPT-13 XRY v6.3.1	
Case Summary:	SPT-13 Acquire mobile device internal memory by selecting a combination of supported data elements.
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with an “Select All” individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition then the tool shall acquire each exclusive data object without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 08:51:39 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 08:51:39 EDT 2012 Acquisition finished: Tue Jul 10 09:10:07 EDT 2012 Acquire All acquisition was successful
Results:	

Test Case SPT-13 XRY v6.3.1	
	Assertion & Expected Result / **Actual Result** SPT-CA-29 Acquire-All data objects acquisition. — as expected SPT-CA-30 Select-All data objects acquisition. — as expected SPT-CA-31 Select-Individual data objects acquisition. — as expected
Analysis:	Expected results achieved

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335 ## 5.2.53 SPT-14 (BlackBerry Torch)

Test Case SPT-14 XRY v6.3.1	
Case Summary:	SPT-14 Acquire SIM memory over supported interfaces (e.g., PC/SC reader).
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 09:13:46 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 09:13:46 EDT 2012 Acquisition finished: Tue Jul 10 09:15:41 EDT 2012 Media connectivity was established via supported interface
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-01 SIM connectivity via supported interfaces. — as expected
Analysis:	Expected results achieved

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337 ## 5.2.54 SPT-15 (BlackBerry Torch)

Test Case SPT-15 XRY v6.3.1	
Case Summary:	SPT-15 Attempt acquisition of a nonsupported SIM.
Assertions:	SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM then the tool shall notify the user that the SIM is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 09:16:49 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 09:16:49 EDT 2012 Acquisition finished: Tue Jul 10 09:19:02 EDT 2012 Identification of nonsupported media was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-02 Identification of nonsupported SIMs. — as expected

Test Case SPT-15 XRY v6.3.1	
Analysis:	Expected results achieved

5.2.55 SPT-16 (BlackBerry Torch)

Test Case SPT-16 XRY v6.3.1	
Case Summary:	SPT-16 Begin SIM acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 09:52:43 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 09:52:43 EDT 2012 Acquisition finished: Tue Jul 10 09:53:43 EDT 2012 Media acquisition disruption notification was not successful
Results:	

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

Analysis:	Expected results not achieved

5.2.56 SPT-17 (BlackBerry Torch)

Test Case SPT-17 XRY v6.3.1	
Case Summary:	SPT-17 Acquire SIM memory and review reported subscriber and equipment related information (i.e., SPN, ICCID, IMSI, MSISDN).
Assertions:	SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error then the SPN shall be presented in a useable format. SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error then the ICCID shall be presented in a useable format. SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error then the IMSI shall be presented in a useable format. SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error then the MSISDN shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 09:54:29 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 09:54:29 EDT 2012 Acquisition finished: Tue Jul 10 10:00:46 EDT 2012 All subscriber-related data (i.e., SPN, ICCID, IMSI, MSISDN) was acquired
Results:	

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

Test Case SPT-17 XRY v6.3.1	
	SPT-AO-07 Acquisition of MSISDN. | as expected
Analysis:	Expected results achieved

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343 5.2.57 SPT-18 (BlackBerry Torch)

Test Case SPT-18 XRY v6.3.1	
Case Summary:	SPT-18 Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).
Assertions:	SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format. SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error then maximum length ADNs shall be presented in a useable format. SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing special characters shall be presented in a useable format. SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing blank names shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 10:02:33 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 10:02:33 EDT 2012 Acquisition finished: Tue Jul 10 10:06:43 EDT 2012 All ADNs were acquired
Results:	**Assertion & Expected Result** | **Actual Result** SPT-AO-08 Acquisition of ADNs. | as expected SPT-AO-09 Acquisition of maximum length ADNs. | as expected SPT-AO-10 Acquisition of special character ADNs. | as expected SPT-AO-11 Acquisition of blank name ADNs. | as expected
Analysis:	Expected results achieved

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345 5.2.58 SPT-19 (BlackBerry Torch)

Test Case SPT-19 XRY v6.3.1	
Case Summary:	SPT-19 Acquire SIM memory and review reported Last Numbers Dialed (LND).
Assertions:	SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error then Last Numbers Dialed (LND) shall be presented in a useable format. SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 10:07:12 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB

Test Case SPT-19 XRY v6.3.1	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 10:07:12 EDT 2012 Acquisition finished: Tue Jul 10 10:09:10 EDT 2012 LNDs were acquired Date/Time Stamps correctly reported for LNDs
Results:	

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

Analysis:	Expected results achieved

5.2.59 SPT-20 (BlackBerry Torch)

Test Case SPT-20 XRY v6.3.1	
Case Summary:	SPT-20 Acquire SIM memory and review reported text messages (SMS, EMS).
Assertions:	SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII SMS text messages shall be presented in a useable format. SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII EMS text messages shall be presented in a useable format. SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for all text messages shall be presented in a useable format. SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 10:09:47 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 10:09:47 EDT 2012 Acquisition finished: Tue Jul 10 10:12:02 EDT 2012 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

5.2.60 SPT-21 (BlackBerry Torch)

Test Case SPT-21 XRY v6.3.1	
Case Summary:	SPT-21 Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).
Assertions:	SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error then deleted text messages that have not been overwritten shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 10:12:34 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 10:12:34 EDT 2012 Acquisition finished: Tue Jul 10 10:14:05 EDT 2012 Deleted text message data was recovered
Results:	

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

Analysis:	Expected results achieved

5.2.61 SPT-22 (BlackBerry Torch)

Test Case SPT-22 XRY v6.3.1	
Case Summary:	SPT-22 Acquire SIM memory and review reported location related data (i.e., LOCI, GPRSLOCI).
Assertions:	SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., LOCI) shall be presented in a useable format. SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., GRPSLOCI) shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 10:16:09 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 10:16:09 EDT 2012 Acquisition finished: Tue Jul 10 10:18:28 EDT 2012 LOCI data was acquired GPRSLOCI data was acquired
Results:	

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

Analysis:	Expected results achieved

5.2.62 SPT-23 (BlackBerry Torch)

Test Case SPT-23 XRY v6.3.1	
Case Summary:	SPT-23 Acquire SIM memory by selecting a combination of supported data elements.
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself). SPT-AO-22 If a cellular forensic tool provides the user with an “Acquire All” SIM data objects acquisition option then the tool shall complete the acquisition of all data objects without error. 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.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 10:18:51 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 10:18:51 EDT 2012 Acquisition finished: Tue Jul 10 10:21:38 EDT 2012 Acquire All acquisition was successful
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-01 SIM connectivity via supported interfaces.	as expected
SPT-AO-22 Acquire-All data objects acquisition.	as expected
SPT-AO-23 Select-All data objects acquisition.	as expected
SPT-AO-24 Select-Individual data objects acquisition.	as expected

Analysis:	Expected results achieved

5.2.63 SPT-24 (BlackBerry Torch)

Test Case SPT-24 XRY v6.3.1	
Case Summary:	SPT-24 Acquire mobile device internal memory and review reported data via supported generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format via supported generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 10:22:13 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 10:22:13 EDT 2012 Acquisition finished: Tue Jul 10 10:27:22 EDT 2012 Complete representation of known data via generated reports was successful
Results:	

Test Case SPT-24 XRY v6.3.1	
	Assertion & Expected Result / **Actual Result** SPT-AO-25 Comparison of known device data elements via generated reports. / as expected
Analysis:	Expected results achieved

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356 5.2.64 SPT-25 (BlackBerry Torch)

Test Case SPT-25 XRY v6.3.1	
Case Summary:	SPT-25 Acquire mobile device internal memory and review reported data via the preview pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format in a preview pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 10:22:35 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 10:22:35 EDT 2012 Acquisition finished: Tue Jul 10 10:27:31 EDT 2012 Complete representation of known data via preview pane was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-26 Comparison of known device data elements via preview-pane. / as expected
Analysis:	Expected results achieved

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358 5.2.65 SPT-26 (BlackBerry Torch)

Test Case SPT-26 XRY v6.3.1	
Case Summary:	SPT-26 Acquire SIM memory and review reported data via supported generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable format via supported generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 10:28:29 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 10:28:29 EDT 2012 Acquisition finished: Tue Jul 10 10:32:51 EDT 2012 Complete representation of known data via generated reports was successful
Results:	**Assertion & Expected Result** / **Actual Result**

Test Case SPT-26 XRY v6.3.1		
	SPT-AO-25 Comparison of known device data elements via generated reports.	as expected
Analysis:	Expected results achieved	

5.2.66 SPT-27 (BlackBerry Torch)

Test Case SPT-27 XRY v6.3.1	
Case Summary:	SPT-27 Acquire SIM memory and review reported data via the preview-pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable format in a preview pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 10:28:56 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 10:28:56 EDT 2012 Acquisition finished: Tue Jul 10 10:33:02 EDT 2012 Complete representation of known data via preview pane was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-26 Comparison of known device data elements via preview-pane. / as expected
Analysis:	Expected results achieved

5.2.67 SPT-28 (BlackBerry Torch)

Test Case SPT-28 XRY v6.3.1	
Case Summary:	SPT-28 Attempt acquisition of a password-protected SIM.
Assertions:	SPT-AO-28 If the SIM is password-protected then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 10:34:47 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 10:34:47 EDT 2012 Acquisition finished: Tue Jul 10 10:37:39 EDT 2012 Ability to enter PIN on protected media before acquisition was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-28 Acquisition of password protected SIM. / as expected

Test Case SPT-28 XRY v6.3.1	
Analysis:	Expected results achieved

5.2.68 SPT-29 (BlackBerry Torch)

Test Case SPT-29 XRY v6.3.1	
Case Summary:	SPT-29 After a successful mobile device internal memory, alter the case file via third-party means and attempt to re-open the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 10:40:31 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 10:40:31 EDT 2012 Acquisition finished: Tue Jul 10 10:43:47 EDT 2012 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

5.2.69 SPT-30 (BlackBerry Torch)

Test Case SPT-30 XRY v6.3.1	
Case Summary:	SPT-30 After a successful SIM acquisition, alter the case file via third-party means and attempt to re-open the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 10:35:42 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 10:35:42 EDT 2012 Acquisition finished: Tue Jul 10 10:38:38 EDT 2012 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

5.2.70 SPT-31 (BlackBerry Torch)

Test Case SPT-31 XRY v6.3.1	
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:	Tue Jul 10 10:41:19 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 10:41:19 EDT 2012 Acquisition finished: Tue Jul 10 10:43:55 EDT 2012 Physical Acquisition: readability and completeness was successful
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-31 Physical acquisition, data is presented in a useable format.	as expected

Analysis:	Expected results achieved

5.2.71 SPT-32 (BlackBerry Torch)

Test Case SPT-32 XRY v6.3.1	
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.

Test Case SPT-32 XRY v6.3.1	
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 10:41:46 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 10:41:46 EDT 2012 Acquisition finished: Tue Jul 10 10:44:03 EDT 2012 Deleted address book entries were not recovered - NA Deleted PIM data was recovered Deleted Call log data was not recovered - NA Deleted text message data was not recovered - NA 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.	As expected
SPT-AO-34 Physical acquisition, recovery of deleted call logs.	NA
SPT-AO-35 Physical acquisition, recovery of deleted SMS messages.	NA
SPT-AO-36 Physical acquisition, recovery of deleted EMS messages.	NA
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:	Expected results achieved

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373 5.2.72 SPT-33 (BlackBerry Torch)

Test Case SPT-33 XRY v6.3.1	
Case Summary:	SPT-33 Acquire mobile device internal memory and review data containing non-ASCII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters then the application should present address book entries in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters then the application should present text messages in their native format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 10:42:07 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 10:42:07 EDT 2012 Acquisition finished: Tue Jul 10 10:44:12 EDT 2012 Non-ASCII Address book entries were acquired and properly displayed

Test Case SPT-33 XRY v6.3.1	
	Non-ASCII text messages were acquired and properly displayed
Results:	

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

Analysis:	Expected results achieved

5.2.73 SPT-34 (BlackBerry Torch)

Test Case SPT-34 XRY v6.3.1	
Case Summary:	SPT-34 Acquire SIM memory and review data containing non-ASCII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters then the application should present ADNs in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters then the application should present text messages in their native format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 10:36:16 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 10:36:16 EDT 2012 Acquisition finished: Tue Jul 10 10:38:50 EDT 2012 Non-ASCII ADNs were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed
Results:	

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

Analysis:	Expected results achieved

5.2.74 SPT-35 (BlackBerry Torch)

Test Case SPT-35 XRY v6.3.1	
Case Summary:	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.
Assertions:	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.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 10:48:43 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB

Test Case SPT-35 XRY v6.3.1	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 10:48:43 EDT 2012 Acquisition finished: Tue Jul 10 10:51:49 EDT 2012 The remaining number of PIN attempts were properly displayed
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-29 Display remaining number of PIN attempts.	as expected

Analysis:	Expected results achieved

5.2.75 SPT-36 (BlackBerry Torch)

Test Case SPT-36 XRY v6.3.1	
Case Summary:	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.
Assertions:	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.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 10:50:00 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 10:50:00 EDT 2012 Acquisition finished: Tue Jul 10 10:51:59 EDT 2012 Remaining number of PUK attempts were properly displayed
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-30 Display remaining number of PUK attempts.	as expected

Analysis:	Expected results achieved

5.2.76 SPT-38 (BlackBerry Torch)

Test Case SPT-38 XRY v6.3.1	
Case Summary:	SPT-38 Acquire mobile device internal memory and review hash values for vendor supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 10:53:07 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 10:53:07 EDT 2012 Acquisition finished: Wed Jul 11 06:35:40 EDT 2012 Hash values were properly reported for individually acquired device data

Test Case SPT-38 XRY v6.3.1	
	elements
Results:	<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>
Analysis:	Expected results achieved

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383 5.2.77 SPT-39 (BlackBerry Torch)

Test Case SPT-39 XRY v6.3.1	
Case Summary:	SPT-39 Acquire SIM memory and review hash values for vendor supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jul 11 06:36:17 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jul 11 06:36:17 EDT 2012 Acquisition finished: Wed Jul 11 06:53:44 EDT 2012 Hash values were properly reported for individually acquired SIM data elements
Results:	<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>
Analysis:	Expected results achieved

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385 5.2.78 SPT-01 (Samsung Focus)

Test Case SPT-01 XRY v6.3.1	
Case Summary:	SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report. SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a “Select All” individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition then the tool shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive logical

Test Case SPT-01 XRY v6.3.1	
	acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 9 10:38:31 EDT 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 10:38:31 EDT 2012 Acquisition finished: Mon Jul 9 10:40:07 EDT 2012 Device connectivity was established via supported interface
Results:	

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

Analysis:	Expected results achieved

5.2.79 SPT-02 (Samsung Focus)

Test Case SPT-02 XRY v6.3.1	
Case Summary:	SPT-02 Attempt internal memory acquisition of a nonsupported mobile device.
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device then the tool shall notify the user that the device is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 9 10:41:45 EDT 2012
Device:	unsupported_device
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 10:41:45 EDT 2012 Acquisition finished: Mon Jul 9 10:43:24 EDT 2012 Identification of nonsupported devices was successful
Results:	

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

Analysis:	Expected results achieved

5.2.80 SPT-03 (Samsung Focus)

Test Case SPT-03 XRY v6.3.1	
Case Summary:	SPT-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 9 10:44:58 EDT 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 10:44:58 EDT 2012 Acquisition finished: Mon Jul 9 10:45:49 EDT 2012 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

5.2.81 SPT-04 (Samsung Focus)

Test Case SPT-04 XRY v6.3.1	
Case Summary:	SPT-04 Acquire mobile device internal memory and review reported data via the preview pane or generated reports for readability.
Assertions:	SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 9 10:47:11 EDT 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 10:47:11 EDT 2012 Acquisition finished: Mon Jul 9 10:48:46 EDT 2012 Readability and completeness of acquired data was successful
Results:	

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

Analysis:	Expected results achieved

5.2.82 SPT-10 (Samsung Focus)

Test Case SPT-10 XRY v6.3.1	
Case Summary:	SPT-10 Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).
Assertions:	SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 9 11:49:20 EDT 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 11:49:20 EDT 2012 Acquisition finished: Mon Jul 9 11:51:21 EDT 2012 ALL stand-alone data files (Audio, Image, Video) were acquired
Results:	

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

Analysis:	Expected results achieved

5.2.83 SPT-13 (Samsung Focus)

Test Case SPT-13 XRY v6.3.1	
Case Summary:	SPT-13 Acquire mobile device internal memory by selecting a combination of supported data elements.
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with an “Select All” individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition then the tool shall acquire each exclusive data object without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 9 11:51:44 EDT 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 11:51:44 EDT 2012 Acquisition finished: Mon Jul 9 11:56:03 EDT 2012 Acquire All acquisition was successful

Test Case SPT-13 XRY v6.3.1	
Results:	

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

Analysis:	Expected results achieved

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399 5.2.84 SPT-14 (Samsung Focus)

Test Case SPT-14 XRY v6.3.1	
Case Summary:	SPT-14 Acquire SIM memory over supported interfaces (e.g., PC/SC reader).
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 9 12:03:42 EDT 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 12:03:42 EDT 2012 Acquisition finished: Mon Jul 9 12:04:49 EDT 2012 Media connectivity was established via supported interface
Results:	

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

Analysis:	Expected results achieved

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401 5.2.85 SPT-15 (Samsung Focus)

Test Case SPT-15 XRY v6.3.1	
Case Summary:	SPT-15 Attempt acquisition of a nonsupported SIM.
Assertions:	SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM then the tool shall notify the user that the SIM is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 9 12:06:05 EDT 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 12:06:05 EDT 2012 Acquisition finished: Mon Jul 9 12:08:00 EDT 2012 Identification of nonsupported media was successful
Results:	

Assertion & Expected Result	Actual Result

Test Case SPT-15 XRY v6.3.1	
	SPT-AO-02 Identification of nonsupported SIMs. | as expected
Analysis:	Expected results achieved

5.2.86 SPT-16 (Samsung Focus)

Test Case SPT-16 XRY v6.3.1	
Case Summary:	SPT-16 Begin SIM acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 09:48:00 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 09:48:00 EDT 2012 Acquisition finished: Mon Jul 10 09:50:15 EDT 2012 Media acquisition disruption notification was not successful
Results:	**Assertion & Expected Result** | **Actual Result** SPT-AO-03 Notification of SIM acquisition disruption. | Not as expected
Analysis:	Expected results not achieved

5.2.87 SPT-17 (Samsung Focus)

Test Case SPT-17 XRY v6.3.1	
Case Summary:	SPT-17 Acquire SIM memory and review reported subscriber and equipment related information (i.e., SPN, ICCID, IMSI, MSISDN).
Assertions:	SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error then the SPN shall be presented in a useable format. SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error then the ICCID shall be presented in a useable format. SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error then the IMSI shall be presented in a useable format. SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error then the MSISDN shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 9 12:15:28 EDT 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 12:15:28 EDT 2012 Acquisition finished: Mon Jul 9 12:19:34 EDT 2012 All subscriber-related data (i.e., SPN, ICCID, IMSI, MSISDN) was acquired
Results:	**Assertion & Expected Result** | **Actual Result** SPT-AO-04 Acquisition of SPN. | as expected

Test Case SPT-17 XRY v6.3.1	
	SPT-AO-05 Acquisition of ICCID. — as expected SPT-AO-06 Acquisition of IMSI. — as expected SPT-AO-07 Acquisition of MSISDN. — as expected
Analysis:	Expected results achieved

5.2.88 SPT-18 (Samsung Focus)

Test Case SPT-18 XRY v6.3.1	
Case Summary:	SPT-18 Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).
Assertions:	SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format. SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error then maximum length ADNs shall be presented in a useable format. SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing special characters shall be presented in a useable format. SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing blank names shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 9 12:25:13 EDT 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 12:25:13 EDT 2012 Acquisition finished: Mon Jul 9 12:26:32 EDT 2012 All ADNs were acquired
Results:	**Assertion & Expected Result** — **Actual Result** SPT-AO-08 Acquisition of ADNs. — as expected SPT-AO-09 Acquisition of maximum length ADNs. — as expected SPT-AO-10 Acquisition of special character ADNs. — as expected SPT-AO-11 Acquisition of blank name ADNs. — as expected
Analysis:	Expected results achieved

5.2.89 SPT-19 (Samsung Focus)

Test Case SPT-19 XRY v6.3.1	
Case Summary:	SPT-19 Acquire SIM memory and review reported Last Numbers Dialed (LND).
Assertions:	SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error then Last Numbers Dialed (LND) shall be presented in a useable format. SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 9 12:27:41 EDT 2012
Device:	Samsung_Focus

Test Case SPT-19 XRY v6.3.1	
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 12:27:41 EDT 2012 Acquisition finished: Mon Jul 9 12:29:22 EDT 2012 LNDs were acquired Date/Time Stamps correctly reported for LNDs
Results:	

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

Analysis:	Expected results achieved

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411 ## 5.2.90 SPT-20 (Samsung Focus)

Test Case SPT-20 XRY v6.3.1	
Case Summary:	SPT-20 Acquire SIM memory and review reported text messages (SMS, EMS).
Assertions:	SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII SMS text messages shall be presented in a useable format. SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII EMS text messages shall be presented in a useable format. SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for all text messages shall be presented in a useable format. SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 9 12:30:41 EDT 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 12:30:41 EDT 2012 Acquisition finished: Mon Jul 9 12:47:17 EDT 2012 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

Test Case SPT-20 XRY v6.3.1	
Analysis:	Expected results achieved

5.2.91 SPT-21 (Samsung Focus)

Test Case SPT-21 XRY v6.3.1	
Case Summary:	SPT-21 Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).
Assertions:	SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error then deleted text messages that have not been overwritten shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 9 12:50:42 EDT 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 12:50:42 EDT 2012 Acquisition finished: Mon Jul 9 12:52:29 EDT 2012 Deleted text message data was recovered
Results:	

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

Analysis:	Expected results achieved

5.2.92 SPT-22 (Samsung Focus)

Test Case SPT-22 XRY v6.3.1	
Case Summary:	SPT-22 Acquire SIM memory and review reported location related data (i.e., LOCI, GPRSLOCI).
Assertions:	SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., LOCI) shall be presented in a useable format. SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., GRPSLOCI) shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 9 12:52:55 EDT 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 12:52:55 EDT 2012 Acquisition finished: Mon Jul 9 12:56:15 EDT 2012 LOCI data was acquired GPRSLOCI data was acquired
Results:	

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

Test Case SPT-22 XRY v6.3.1	
Analysis:	Expected results achieved

5.2.93 SPT-23 (Samsung Focus)

Test Case SPT-23 XRY v6.3.1	
Case Summary:	SPT-23 Acquire SIM memory by selecting a combination of supported data elements.
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself). SPT-AO-22 If a cellular forensic tool provides the user with an “Acquire All” SIM data objects acquisition option then the tool shall complete the acquisition of all data objects without error. 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.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 9 12:57:12 EDT 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 12:57:12 EDT 2012 Acquisition finished: Mon Jul 9 12:59:31 EDT 2012 Acquire All acquisition was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-01 SIM connectivity via supported interfaces.	as expected
SPT-AO-22 Acquire-All data objects acquisition.	as expected
SPT-AO-23 Select-All data objects acquisition.	as expected
SPT-AO-24 Select-Individual data objects acquisition.	as expected

Analysis:	Expected results achieved

5.2.94 SPT-24 (Samsung Focus)

Test Case SPT-24 XRY v6.3.1	
Case Summary:	SPT-24 Acquire mobile device internal memory and review reported data via supported generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format via supported generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 9 13:02:47 EDT 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 13:02:47 EDT 2012 Acquisition finished: Mon Jul 9 13:03:38 EDT 2012

Test Case SPT-24 XRY v6.3.1	
	Complete representation of known data via generated reports was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-25 Comparison of known device data elements via generated reports. / as expected
Analysis:	Expected results achieved

5.2.95 SPT-25 (Samsung Focus)

Test Case SPT-25 XRY v6.3.1	
Case Summary:	SPT-25 Acquire mobile device internal memory and review reported data via the preview pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format in a preview pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 9 13:04:06 EDT 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 13:04:06 EDT 2012 Acquisition finished: Mon Jul 9 13:06:18 EDT 2012 Complete representation of known data via preview pane was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-26 Comparison of known device data elements via preview-pane. / as expected
Analysis:	Expected results achieved

5.2.96 SPT-26 (Samsung Focus)

Test Case SPT-26 XRY v6.3.1	
Case Summary:	SPT-26 Acquire SIM memory and review reported data via supported generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable format via supported generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 9 13:07:04 EDT 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 13:07:04 EDT 2012 Acquisition finished: Mon Jul 9 13:08:25 EDT 2012 Complete representation of known data via generated reports was successful

Test Case SPT-26 XRY v6.3.1	
Results:	**Assertion & Expected Result** / **Actual Result**: SPT-AO-25 Comparison of known device data elements via generated reports. / as expected
Analysis:	Expected results achieved

5.2.97 SPT-27 (Samsung Focus)

Test Case SPT-27 XRY v6.3.1	
Case Summary:	SPT-27 Acquire SIM memory and review reported data via the preview-pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable format in a preview pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 9 13:09:10 EDT 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 13:09:10 EDT 2012 Acquisition finished: Mon Jul 9 13:10:10 EDT 2012 Complete representation of known data via preview pane was successful
Results:	**Assertion & Expected Result** / **Actual Result**: SPT-AO-26 Comparison of known device data elements via preview-pane. / as expected
Analysis:	Expected results achieved

5.2.98 SPT-28 (Samsung Focus)

Test Case SPT-28 XRY v6.3.1	
Case Summary:	SPT-28 Attempt acquisition of a password-protected SIM.
Assertions:	SPT-AO-28 If the SIM is password-protected then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 9 13:10:50 EDT 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 13:10:50 EDT 2012 Acquisition finished: Mon Jul 9 13:12:37 EDT 2012 Ability to enter PIN on protected media before acquisition was successful
Results:	**Assertion & Expected Result** / **Actual Result**

Test Case SPT-28 XRY v6.3.1	
	SPT-AO-28 Acquisition of password word protected SIM. | as expected
Analysis:	Expected results achieved

5.2.99 SPT-29 (Samsung Focus)

Test Case SPT-29 XRY v6.3.1	
Case Summary:	SPT-29 After a successful mobile device internal memory, alter the case file via third-party means and attempt to re-open the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 9 13:14:10 EDT 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 13:14:10 EDT 2012 Acquisition finished: Mon Jul 9 13:15:14 EDT 2012 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

5.2.100 SPT-30 (Samsung Focus)

Test Case SPT-30 XRY v6.3.1	
Case Summary:	SPT-30 After a successful SIM acquisition, alter the case file via third-party means and attempt to re-open the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 9 13:16:01 EDT 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 13:16:01 EDT 2012 Acquisition finished: Mon Jul 9 13:19:14 EDT 2012 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

5.2.101 SPT-34 (Samsung Focus)

Test Case SPT-34 XRY v6.3.1	
Case Summary:	SPT-34 Acquire SIM memory and review data containing non-ASCII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters then the application should present ADNs in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters then the application should present text messages in their native format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 9 13:20:13 EDT 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 13:20:13 EDT 2012 Acquisition finished: Mon Jul 9 13:24:02 EDT 2012 Non-ASCII ADNs were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed
Results:	

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

Analysis:	Expected results achieved

5.2.102 SPT-35 (Samsung Focus)

Test Case SPT-35 XRY v6.3.1	
Case Summary:	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.
Assertions:	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.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 9 13:24:30 EDT 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 13:24:30 EDT 2012 Acquisition finished: Mon Jul 9 13:28:00 EDT 2012 The remaining number of PIN attempts were properly displayed
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-29 Display remaining number of PIN attempts.	as expected

Analysis:	Expected results achieved

5.2.103 SPT-36 (Samsung Focus)

Test Case SPT-36 XRY v6.3.1	
Case Summary:	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.
Assertions:	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.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 9 13:28:35 EDT 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 13:28:35 EDT 2012 Acquisition finished: Mon Jul 9 13:35:33 EDT 2012 Remaining number of PUK attempts were properly displayed
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-30 Display remaining number of PUK attempts. / as expected
Analysis:	Expected results achieved

5.2.104 SPT-38 (Samsung Focus)

Test Case SPT-38 XRY v6.3.1	
Case Summary:	SPT-38 Acquire mobile device internal memory and review hash values for vendor supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 9 13:36:06 EDT 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 13:36:06 EDT 2012 Acquisition finished: Mon Jul 9 13:38:09 EDT 2012 Hash values were properly reported for individually acquired device data elements
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-43 Acquire data, check known hash values for consistency. / as expected
Analysis:	Expected results achieved

5.2.105 SPT-39 (Samsung Focus)

Test Case SPT-39 XRY v6.3.1	
Case Summary:	SPT-39 Acquire SIM memory and review hash values for vendor supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 9 13:38:53 EDT 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 13:38:53 EDT 2012 Acquisition finished: Mon Jul 9 13:42:42 EDT 2012 Hash values were properly reported for individually acquired SIM data elements
Results:	

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

Analysis:	Expected results achieved

5.2.106 SPT-01 (Nokia 6350)

Test Case SPT-01 XRY v6.3.1	
Case Summary:	SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report. SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a “Select All” individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition then the tool shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 07:39:51 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 07:39:51 EDT 2012 Acquisition finished: Mon Jul 2 07:41:22 EDT 2012

Test Case SPT-01 XRY v6.3.1	
	Device connectivity was established via supported interface
Results:	

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

Analysis:	Expected results achieved

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446 5.2.107 SPT-02 (Nokia 6350)

Test Case SPT-02 XRY v6.3.1	
Case Summary:	SPT-02 Attempt internal memory acquisition of a nonsupported mobile device.
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device then the tool shall notify the user that the device is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 07:42:16 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 07:42:16 EDT 2012 Acquisition finished: Mon Jul 2 07:43:51 EDT 2012 Identification of nonsupported devices was successful
Results:	

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

Analysis:	Expected results achieved

447

448 5.2.108 SPT-03 (Nokia 6350)

Test Case SPT-03 XRY v6.3.1	
Case Summary:	SPT-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 07:47:58 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log	Created by XRY v6.3.1

Test Case SPT-03 XRY v6.3.1	
Highlights:	Acquisition started: Mon Jul 2 07:47:58 EDT 2012 Acquisition finished: Mon Jul 2 07:50:58 EDT 2012 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

5.2.109 SPT-04 (Nokia 6350)

Test Case SPT-04 XRY v6.3.1	
Case Summary:	SPT-04 Acquire mobile device internal memory and review reported data via the preview pane or generated reports for readability.
Assertions:	SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 07:51:54 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 07:51:54 EDT 2012 Acquisition finished: Mon Jul 2 07:56:51 EDT 2012 Readability and completeness of acquired data was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-04 Readability and completeness of acquired data via supported reports. / as expected
Analysis:	Expected results achieved

5.2.110 SPT-05 (Nokia 6350)

Test Case SPT-05 XRY v6.3.1	
Case Summary:	SPT-05 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).
Assertions:	SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error then subscriber-related information shall be presented in a useable format. SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error then equipment related information shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 07:57:21 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log	Created by XRY v6.3.1

Test Case SPT-05 XRY v6.3.1	
Highlights:	Acquisition started: Mon Jul 2 07:57:21 EDT 2012 Acquisition finished: Mon Jul 2 07:59:59 EDT 2012 Subscriber and Equipment related data (i.e., MSISDN, IMEI) were acquired
Results:	

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

Analysis:	Expected results achieved

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454 ## 5.2.111 SPT-06 (Nokia 6350)

Test Case SPT-06 XRY v6.3.1	
Case Summary:	SPT-06 Acquire mobile device internal memory and review reported PIM related data.
Assertions:	SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error then address book entries shall be presented in a useable format. SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error then maximum length address book entries shall be presented in a useable format. SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing special characters shall be presented in a useable format. SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing blank names shall be presented in a useable format. SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error then email addresses associated with address book entries shall be presented in a useable format. SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error then graphics associated with address book entries shall be presented in a useable format. SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error then datebook, calendar, note entries shall be presented in a useable format. SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error then maximum length datebook, calendar, note entries shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 08:00:34 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 08:00:34 EDT 2012 Acquisition finished: Mon Jul 2 08:06:58 EDT 2012 All address book entries were successfully acquired ALL PIM related data was acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-07 Acquisition of address book entries.	as expected
SPT-CA-08 Acquisition of maximum length address book entries.	as expected
SPT-CA-09 Acquisition of address book entries containing special characters.	as expected
SPT-CA-10 Acquisition of address book entries containing a blank name entry.	as expected

Test Case SPT-06 XRY v6.3.1		
	SPT-CA-11 Acquisition of embedded email addresses within address book entries.	as expected
	SPT-CA-12 Acquisition of embedded graphics within address book entries.	as expected
	SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	as expected
	SPT-CA-14 Acquisition of maximum length PIM data.	as expected
Analysis:	Expected results achieved	

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456 ## 5.2.112 SPT-07 (Nokia 6350)

Test Case SPT-07 XRY v6.3.1	
Case Summary:	SPT-07 Acquire mobile device internal memory and review reported call logs.
Assertions:	SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error then call logs (incoming/outgoing/missed) shall be presented in a useable format. SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 08:07:56 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 08:07:56 EDT 2012 Acquisition finished: Mon Jul 2 08:11:57 EDT 2012 All Call Logs (incoming, outgoing, missed) were acquired All Call Log date/time stamps data were correctly reported
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-15 Acquisition of call logs. — as expected SPT-CA-16 Acquisition of call log date/time stamps. — as expected
Analysis:	Expected results achieved

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458 ## 5.2.113 SPT-08 (Nokia 6350)

Test Case SPT-08 XRY v6.3.1	
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 Case SPT-08 XRY v6.3.1	
Test Date:	Mon Jul 2 08:12:39 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 08:12:39 EDT 2012 Acquisition finished: Mon Jul 2 08:15:22 EDT 2012 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

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460 5.2.114 SPT-09 (Nokia 6350)

Test Case SPT-09 XRY v6.3.1	
Case Summary:	SPT-09 Acquire mobile device internal memory and review reported MMS multi-media related data (i.e., text, audio, graphics, video).
Assertions:	SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated audio shall be presented in a useable format. SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated graphic files shall be presented in a useable format. SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated video shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 08:16:30 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 08:16:30 EDT 2012 Acquisition finished: Mon Jul 2 08:19:06 EDT 2012 ALL MMS messages (Audio, Image, Video) were acquired
Results:	

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

Analysis:	Expected results achieved

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462 ## 5.2.115 SPT-10 (Nokia 6350)

Test Case SPT-10 XRY v6.3.1	
Case Summary:	SPT-10 Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).
Assertions:	SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 08:19:34 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 08:19:34 EDT 2012 Acquisition finished: Mon Jul 2 08:20:51 EDT 2012 ALL stand-alone data files (Audio, Image, Video) were acquired
Results:	

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

Analysis:	Expected results achieved

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464 ## 5.2.116 SPT-11 (Nokia 6350)

Test Case SPT-11 XRY v6.3.1	
Case Summary:	SPT-11 Acquire mobile device internal memory and review application related data (i.e., word word documents, spreadsheet, presentation documents).
Assertions:	SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error then device specific application related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 08:21:32 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 08:21:32 EDT 2012 Acquisition finished: Mon Jul 2 08:24:22 EDT 2012 All application data was acquired
Results:	

Assertion & Expected Result	**Actual Result**

Test Case SPT-11 XRY v6.3.1	
	SPT-CA-27 Acquisition of application related data. | as expected
Analysis:	Expected results achieved

5.2.117 SPT-13 (Nokia 6350)

Test Case SPT-13 XRY v6.3.1	
Case Summary:	SPT-13 Acquire mobile device internal memory by selecting a combination of supported data elements.
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with an "Select All" individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 08:28:55 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 08:28:55 EDT 2012 Acquisition finished: Mon Jul 2 08:30:07 EDT 2012 Acquire All acquisition was successful
Results:	**Assertion & Expected Result** | **Actual Result** SPT-CA-29 Acquire-All data objects acquisition. | as expected SPT-CA-30 Select-All data objects acquisition. | as expected SPT-CA-31 Select-Individual data objects acquisition. | as expected
Analysis:	Expected results achieved

5.2.118 SPT-14 (Nokia 6350)

Test Case SPT-14 XRY v6.3.1	
Case Summary:	SPT-14 Acquire SIM memory over supported interfaces (e.g., PC/SC reader).
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 08:31:42 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 08:31:42 EDT 2012 Acquisition finished: Mon Jul 2 08:33:07 EDT 2012 Media connectivity was established via supported interface

Test Case SPT-14 XRY v6.3.1	
Results:	<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>
Analysis:	Expected results achieved

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470 5.2.119 SPT-15 (Nokia 6350)

Test Case SPT-15 XRY v6.3.1	
Case Summary:	SPT-15 Attempt acquisition of a nonsupported SIM.
Assertions:	SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM then the tool shall notify the user that the SIM is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 08:34:54 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 08:34:54 EDT 2012 Acquisition finished: Mon Jul 2 08:36:58 EDT 2012 Identification of nonsupported media was successful
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-AO-02 Identification of nonsupported SIMs.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

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472 5.2.120 SPT-16 (Nokia 6350)

Test Case SPT-16 XRY v6.3.1	
Case Summary:	SPT-16 Begin SIM acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 08:38:47 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 08:38:47 EDT 2012 Acquisition finished: Mon Jul 2 08:39:29 EDT 2012 Media acquisition disruption notification was not successful
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-AO-03 Notification of SIM acquisition disruption.</td><td>Not as expected</td></tr></table>
Analysis:	Expected results not achieved

5.2.121 SPT-17 (Nokia 6350)

Test Case SPT-17 XRY v6.3.1	
Case Summary:	SPT-17 Acquire SIM memory and review reported subscriber and equipment related information (i.e., SPN, ICCID, IMSI, MSISDN).
Assertions:	SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error then the SPN shall be presented in a useable format. SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error then the ICCID shall be presented in a useable format. SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error then the IMSI shall be presented in a useable format. SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error then the MSISDN shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 08:42:32 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 08:42:32 EDT 2012 Acquisition finished: Mon Jul 2 08:57:07 EDT 2012 All subscriber-related data (i.e., SPN, ICCID, IMSI, MSISDN) was acquired
Results:	

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

Analysis:	Expected results achieved

5.2.122 SPT-18 (Nokia 6350)

Test Case SPT-18 XRY v6.3.1	
Case Summary:	SPT-18 Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).
Assertions:	SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format. SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error then maximum length ADNs shall be presented in a useable format. SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing special characters shall be presented in a useable format. SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing blank names shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 09:03:47 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 09:03:47 EDT 2012 Acquisition finished: Mon Jul 2 09:08:14 EDT 2012

Test Case SPT-18 XRY v6.3.1	
	All ADNs were acquired
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-08 Acquisition of ADNs. — as expected SPT-AO-09 Acquisition of maximum length ADNs. — as expected SPT-AO-10 Acquisition of special character ADNs. — as expected SPT-AO-11 Acquisition of blank name ADNs. — as expected
Analysis:	Expected results achieved

5.2.123 SPT-19 (Nokia 6350)

Test Case SPT-19 XRY v6.3.1	
Case Summary:	SPT-19 Acquire SIM memory and review reported Last Numbers Dialed (LND).
Assertions:	SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error then Last Numbers Dialed (LND) shall be presented in a useable format. SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 09:09:34 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 09:09:34 EDT 2012 Acquisition finished: Mon Jul 2 09:11:30 EDT 2012 LNDs were acquired Date/Time Stamps correctly reported for LNDs
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-12 Acquisition of LNDs. — as expected SPT-AO-13 Acquisition of LND date/time stamps. — as expected
Analysis:	Expected results achieved

5.2.124 SPT-20 (Nokia 6350)

Test Case SPT-20 XRY v6.3.1	
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

Test Case SPT-20 XRY v6.3.1	
	SIM without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 09:12:05 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 09:12:05 EDT 2012 Acquisition finished: Mon Jul 2 09:14:04 EDT 2012 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

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482 5.2.125 SPT-21 (Nokia 6350)

Test Case SPT-21 XRY v6.3.1	
Case Summary:	SPT-21 Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).
Assertions:	SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error then deleted text messages that have not been overwritten shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 09:15:13 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 09:15:13 EDT 2012 Acquisition finished: Mon Jul 2 09:17:42 EDT 2012 Deleted text message data was recovered
Results:	

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

Analysis:	Expected results achieved

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5.2.126 SPT-22 (Nokia 6350)

Test Case SPT-22 XRY v6.3.1	
Case Summary:	SPT-22 Acquire SIM memory and review reported location related data (i.e., LOCI, GPRSLOCI).
Assertions:	SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., LOCI) shall be presented in a useable format. SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., GRPSLOCI) shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 09:18:07 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 09:18:07 EDT 2012 Acquisition finished: Mon Jul 2 09:47:46 EDT 2012 LOCI data was acquired GPRSLOCI data was acquired
Results:	

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

Analysis:	Expected results achieved

5.2.127 SPT-23 (Nokia 6350)

Test Case SPT-23 XRY v6.3.1	
Case Summary:	SPT-23 Acquire SIM memory by selecting a combination of supported data elements.
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself). SPT-AO-22 If a cellular forensic tool provides the user with an “Acquire All” SIM data objects acquisition option then the tool shall complete the acquisition of all data objects without error. 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.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 09:53:22 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 09:53:22 EDT 2012 Acquisition finished: Mon Jul 2 09:55:09 EDT 2012 Acquire All acquisition was successful
Results:	

Test Case SPT-23 XRY v6.3.1	
	Assertion & Expected Result / **Actual Result** SPT-AO-01 SIM connectivity via supported interfaces. — as expected SPT-AO-22 Acquire-All data objects acquisition. — as expected SPT-AO-23 Select-All data objects acquisition. — as expected SPT-AO-24 Select-Individual data objects acquisition. — as expected
Analysis:	Expected results achieved

5.2.128 SPT-24 (Nokia 6350)

Test Case SPT-24 XRY v6.3.1	
Case Summary:	SPT-24 Acquire mobile device internal memory and review reported data via supported generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format via supported generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 10:03:36 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 10:03:36 EDT 2012 Acquisition finished: Mon Jul 2 10:06:07 EDT 2012 Complete representation of known data via generated reports was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-25 Comparison of known device data elements via generated reports. — as expected
Analysis:	Expected results achieved

5.2.129 SPT-25 (Nokia 6350)

Test Case SPT-25 XRY v6.3.1	
Case Summary:	SPT-25 Acquire mobile device internal memory and review reported data via the preview pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format in a preview pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 10:04:08 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 10:04:08 EDT 2012 Acquisition finished: Mon Jul 2 10:06:26 EDT 2012 Complete representation of known data via preview pane was successful
Results:	

Test Case SPT-25 XRY v6.3.1	
	Assertion & Expected Result / **Actual Result** SPT-AO-26 Comparison of known device data elements via preview-pane. / as expected
Analysis:	Expected results achieved

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492 5.2.130 SPT-26 (Nokia 6350)

Test Case SPT-26 XRY v6.3.1	
Case Summary:	SPT-26 Acquire SIM memory and review reported data via supported generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable format via supported generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 10:07:31 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 10:07:31 EDT 2012 Acquisition finished: Mon Jul 2 10:12:52 EDT 2012 Complete representation of known data via generated reports was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-25 Comparison of known device data elements via generated reports. / as expected
Analysis:	Expected results achieved

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494 5.2.131 SPT-27 (Nokia 6350)

Test Case SPT-27 XRY v6.3.1	
Case Summary:	SPT-27 Acquire SIM memory and review reported data via the preview-pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable format in a preview pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 10:07:55 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 10:07:55 EDT 2012 Acquisition finished: Mon Jul 2 10:13:15 EDT 2012 Complete representation of known data via preview pane was successful
Results:	**Assertion & Expected Result** / **Actual Result**

Test Case SPT-27 XRY v6.3.1		
	SPT-AO-26 Comparison of known device data elements via preview-pane.	as expected
Analysis:	Expected results achieved	

5.2.132 SPT-28 (Nokia 6350)

Test Case SPT-28 XRY v6.3.1	
Case Summary:	SPT-28 Attempt acquisition of a password-protected SIM.
Assertions:	SPT-AO-28 If the SIM is password-protected then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 10:16:02 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 10:16:02 EDT 2012 Acquisition finished: Mon Jul 2 10:18:26 EDT 2012 Ability to enter PIN on protected media before acquisition was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-28 Acquisition of pass word protected SIM. / as expected
Analysis:	Expected results achieved

5.2.133 SPT-29 (Nokia 6350)

Test Case SPT-29 XRY v6.3.1	
Case Summary:	SPT-29 After a successful mobile device internal memory, alter the case file via third-party means and attempt to re-open the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 10:19:18 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 10:19:18 EDT 2012 Acquisition finished: Mon Jul 2 10:21:57 EDT 2012 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

5.2.134 SPT-30 (Nokia 6350)

Test Case SPT-30 XRY v6.3.1	
Case Summary:	SPT-30 After a successful SIM acquisition, alter the case file via third-party means and attempt to re-open the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 10:23:08 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 10:23:08 EDT 2012 Acquisition finished: Mon Jul 2 10:24:37 EDT 2012 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

5.2.135 SPT-33 (Nokia 6350)

Test Case SPT-33 XRY v6.3.1	
Case Summary:	SPT-33 Acquire mobile device internal memory and review data containing non-ASCII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters then the application should present address book entries in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters then the application should present text messages in their native format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 10:26:20 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 10:26:20 EDT 2012 Acquisition finished: Mon Jul 2 10:27:56 EDT 2012 Non-ASCII Address book entries were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed
Results:	

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

Analysis:	Expected results achieved

5.2.136 SPT-34 (Nokia 6350)

Test Case SPT-34 XRY v6.3.1	
Case Summary:	SPT-34 Acquire SIM memory and review data containing non-ASCII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters then the application should present ADNs in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters then the application should present text messages in their native format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 10:28:29 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 10:28:29 EDT 2012 Acquisition finished: Mon Jul 2 10:31:25 EDT 2012 Non-ASCII ADNs were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed
Results:	

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

Analysis:	Expected results achieved

5.2.137 SPT-35 (Nokia 6350)

Test Case SPT-35 XRY v6.3.1	
Case Summary:	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.
Assertions:	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.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 10:32:34 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 10:32:34 EDT 2012 Acquisition finished: Mon Jul 2 10:34:31 EDT 2012 The remaining number of PIN attempts were properly displayed
Results:	

Assertion & Expected Result	**Actual Result**
SPT-AO-29 Display remaining number of PIN attempts.	as expected

Analysis:	Expected results achieved

5.2.138 SPT-36 (Nokia 6350)

Test Case SPT-36 XRY v6.3.1	
Case Summary:	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.
Assertions:	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.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 10:32:57 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 10:32:57 EDT 2012 Acquisition finished: Mon Jul 2 10:34:48 EDT 2012 Remaining number of PUK attempts were properly displayed
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-30 Display remaining number of PUK attempts. / as expected
Analysis:	Expected results achieved

5.2.139 SPT-38 (Nokia 6350)

Test Case SPT-38 XRY v6.3.1	
Case Summary:	SPT-38 Acquire mobile device internal memory and review hash values for vendor supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 10:38:11 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 10:38:11 EDT 2012 Acquisition finished: Mon Jul 2 10:39:31 EDT 2012 Hash values were properly reported for individually acquired device data elements
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-43 Acquire data, check known hash values for consistency. / as expected
Analysis:	Expected results achieved

5.2.140 SPT-39 (Nokia 6350)

Test Case SPT-39 XRY v6.3.1	
Case Summary:	SPT-39 Acquire SIM memory and review hash values for vendor supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 10:40:53 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 10:40:53 EDT 2012 Acquisition finished: Mon Jul 2 10:42:54 EDT 2012 Hash values were properly reported for individually acquired SIM data elements
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-43 Acquire data, check known hash values for consistency. / as expected
Analysis:	Expected results achieved

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5.2.141 SPT-01 (Motorola Tundra)

Test Case SPT-01 XRY v6.3.1	
Case Summary:	SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report. SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a “Select All” individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition then the tool shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 13:08:58 EDT 2012
Device:	Moto_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 13:08:58 EDT 2012 Acquisition finished: Mon Jul 2 14:36:51 EDT 2012

Test Case SPT-01 XRY v6.3.1	
	Device Connectivity was not established via supported interface
Results:	

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

Analysis:	Expected results not achieved

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517 5.2.142 SPT-14 (Motorola Tundra)

Test Case SPT-14 XRY v6.3.1	
Case Summary:	SPT-14 Acquire SIM memory over supported interfaces (e.g., PC/SC reader).
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 3 08:04:53 EDT 2012
Device:	Moto_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 08:04:53 EDT 2012 Acquisition finished: Tue Jul 3 08:06:16 EDT 2012 Media connectivity was established via supported interface
Results:	

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

Analysis:	Expected results achieved

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519 5.2.143 SPT-15 (Motorola Tundra)

Test Case SPT-15 XRY v6.3.1	
Case Summary:	SPT-15 Attempt acquisition of a nonsupported SIM.
Assertions:	SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM then the tool shall notify the user that the SIM is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 3 08:09:19 EDT 2012
Device:	Moto_Tundra

Test Case SPT-15 XRY v6.3.1	
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 08:09:19 EDT 2012 Acquisition finished: Tue Jul 3 08:10:23 EDT 2012 Identification of nonsupported media was successful
Results:	

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

Analysis:	Expected results achieved

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521 ## 5.2.144 SPT-16 (Motorola Tundra)

Test Case SPT-16 XRY v6.3.1	
Case Summary:	SPT-16 Begin SIM acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 3 08:13:32 EDT 2012
Device:	Moto_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 08:13:32 EDT 2012 Acquisition finished: Tue Jul 3 08:14:12 EDT 2012 Media acquisition disruption notification was not successful
Results:	

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

Analysis:	Expected results not achieved

522

523 ## 5.2.145 SPT-17 (Motorola Tundra)

Test Case SPT-17 XRY v6.3.1	
Case Summary:	SPT-17 Acquire SIM memory and review reported subscriber and equipment related information (i.e., SPN, ICCID, IMSI, MSISDN).
Assertions:	SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error then the SPN shall be presented in a useable format. SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error then the ICCID shall be presented in a useable format. SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error then the IMSI shall be presented in a useable format. SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error then the MSISDN shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 3 08:19:55 EDT 2012
Device:	Moto_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB

Test Case SPT-17 XRY v6.3.1	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 08:19:55 EDT 2012 Acquisition finished: Tue Jul 3 08:30:46 EDT 2012 All subscriber-related data (i.e., SPN, ICCID, IMSI, MSISDN) was acquired
Results:	

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

Analysis:	Expected results achieved

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525 ## 5.2.146 SPT-18 (Motorola Tundra)

Test Case SPT-18 XRY v6.3.1	
Case Summary:	SPT-18 Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).
Assertions:	SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format. SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error then maximum length ADNs shall be presented in a useable format. SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing special characters shall be presented in a useable format. SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing blank names shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 3 08:31:40 EDT 2012
Device:	Moto_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 08:31:40 EDT 2012 Acquisition finished: Tue Jul 3 08:34:46 EDT 2012 All ADNs were acquired
Results:	

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

Analysis:	Expected results achieved

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529 ## 5.2.147 SPT-19 (Motorola Tundra)

Test Case SPT-19 XRY v6.3.1

Test Case SPT-19 XRY v6.3.1	
Case Summary:	SPT-19 Acquire SIM memory and review reported Last Numbers Dialed (LND).
Assertions:	SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error then Last Numbers Dialed (LND) shall be presented in a useable format. SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 3 08:35:36 EDT 2012
Device:	Moto_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 08:35:36 EDT 2012 Acquisition finished: Tue Jul 3 08:37:32 EDT 2012 LNDs were acquired Date/Time Stamps correctly reported for LNDs
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-12 Acquisition of LNDs. / as expected SPT-AO-13 Acquisition of LND date/time stamps. / as expected
Analysis:	Expected results achieved

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531 5.2.148 SPT-20 (Motorola Tundra)

Test Case SPT-20 XRY v6.3.1	
Case Summary:	SPT-20 Acquire SIM memory and review reported text messages (SMS, EMS).
Assertions:	SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII SMS text messages shall be presented in a useable format. SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII EMS text messages shall be presented in a useable format. SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for all text messages shall be presented in a useable format. SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 3 08:37:58 EDT 2012
Device:	Moto_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 08:37:58 EDT 2012 Acquisition finished: Tue Jul 3 08:43:32 EDT 2012 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

Test Case SPT-20 XRY v6.3.1	
	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

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533 5.2.149 SPT-21 (Motorola Tundra)

Test Case SPT-21 XRY v6.3.1	
Case Summary:	SPT-21 Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).
Assertions:	SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error then deleted text messages that have not been overwritten shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 3 08:44:28 EDT 2012
Device:	Moto_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 08:44:28 EDT 2012 Acquisition finished: Tue Jul 3 08:45:55 EDT 2012 Deleted text message data was recovered
Results:	

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

Analysis:	Expected results achieved

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535 5.2.150 SPT-22 (Motorola Tundra)

Test Case SPT-22 XRY v6.3.1	
Case Summary:	SPT-22 Acquire SIM memory and review reported location related data (i.e., LOCI, GPRSLOCI).
Assertions:	SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., LOCI) shall be presented in a useable format. SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., GRPSLOCI) shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 3 08:46:49 EDT 2012
Device:	Moto_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB

Test Case SPT-22 XRY v6.3.1	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 08:46:49 EDT 2012 Acquisition finished: Tue Jul 3 09:21:03 EDT 2012 LOCI data was acquired GPRSLOCI data was acquired
Results:	

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

Analysis:	Expected results achieved

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537 ## 5.2.151 SPT-23 (Motorola Tundra)

Test Case SPT-23 XRY v6.3.1	
Case Summary:	SPT-23 Acquire SIM memory by selecting a combination of supported data elements.
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself). SPT-AO-22 If a cellular forensic tool provides the user with an “Acquire All” SIM data objects acquisition option then the tool shall complete the acquisition of all data objects without error. 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.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 3 09:22:19 EDT 2012
Device:	Moto_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 09:22:19 EDT 2012 Acquisition finished: Tue Jul 3 09:24:21 EDT 2012 Acquire All acquisition was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-01 SIM connectivity via supported interfaces.	as expected
SPT-AO-22 Acquire-All data objects acquisition.	as expected
SPT-AO-23 Select-All data objects acquisition.	as expected
SPT-AO-24 Select-Individual data objects acquisition.	as expected

Analysis:	Expected results achieved

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540 ## 5.2.152 SPT-26 (Motorola Tundra)

Test Case SPT-26 XRY v6.3.1	
Case	SPT-26 Acquire SIM memory and review reported data via supported generated

Test Case SPT-26 XRY v6.3.1	
Summary:	report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable format via supported generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 3 09:24:53 EDT 2012
Device:	Moto_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 09:24:53 EDT 2012 Acquisition finished: Tue Jul 3 09:33:16 EDT 2012 Complete representation of known data via generated reports was successful
Results:	

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

Analysis:	Expected results achieved

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542 5.2.153 SPT-27 (Motorola Tundra)

Test Case SPT-27 XRY v6.3.1	
Case Summary:	SPT-27 Acquire SIM memory and review reported data via the preview-pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable format in a preview pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 3 09:33:42 EDT 2012
Device:	Moto_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 09:33:42 EDT 2012 Acquisition finished: Tue Jul 3 09:38:34 EDT 2012 Complete representation of known data via preview pane was successful
Results:	

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

Analysis:	Expected results achieved

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545 5.2.154 SPT-28 (Motorola Tundra)

Test Case SPT-28 XRY v6.3.1	
Case Summary:	SPT-28 Attempt acquisition of a password-protected SIM.

Test Case SPT-28 XRY v6.3.1	
Assertions:	SPT-AO-28 If the SIM is password-protected then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 3 09:39:22 EDT 2012
Device:	Moto_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 09:39:22 EDT 2012 Acquisition finished: Tue Jul 3 09:44:56 EDT 2012 Ability to enter PIN on protected media before acquisition was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-28 Acquisition of password protected SIM. / as expected
Analysis:	Expected results achieved

5.2.155 SPT-30 (Motorola Tundra)

Test Case SPT-30 XRY v6.3.1	
Case Summary:	SPT-30 After a successful SIM acquisition, alter the case file via third-party means and attempt to re-open the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 3 09:46:06 EDT 2012
Device:	Moto_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 09:46:06 EDT 2012 Acquisition finished: Tue Jul 3 09:48:36 EDT 2012 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

5.2.156 SPT-34 (Motorola Tundra)

Test Case SPT-34 XRY v6.3.1	
Case Summary:	SPT-34 Acquire SIM memory and review data containing non-ASCII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters then the application should present ADNs in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters then the application should present text messages in their native format.

Test Case SPT-34 XRY v6.3.1	
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 3 09:49:17 EDT 2012
Device:	Moto_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 09:49:17 EDT 2012 Acquisition finished: Tue Jul 3 09:51:24 EDT 2012 Non-ASCII ADNs were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed
Results:	

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

Analysis:	Expected results achieved

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551 ## 5.2.157 SPT-35 (Motorola Tundra)

Test Case SPT-35 XRY v6.3.1	
Case Summary:	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.
Assertions:	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.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 3 09:52:14 EDT 2012
Device:	Moto_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 09:52:14 EDT 2012 Acquisition finished: Tue Jul 3 09:53:39 EDT 2012 The remaining number of PIN attempts were properly displayed
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-29 Display remaining number of PIN attempts.	as expected

Analysis:	Expected results achieved

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553 ## 5.2.158 SPT-36 (Motorola Tundra)

Test Case SPT-36 XRY v6.3.1	
Case Summary:	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.
Assertions:	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.

Test Case SPT-36 XRY v6.3.1	
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 3 09:54:17 EDT 2012
Device:	Moto_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 09:54:17 EDT 2012 Acquisition finished: Tue Jul 3 09:58:00 EDT 2012 Remaining number of PUK attempts were properly displayed
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-30 Display remaining number of PUK attempts.	as expected

Analysis:	Expected results achieved

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555 ## 5.2.159 SPT-39 (Motorola Tundra)

Test Case SPT-39 XRY v6.3.1	
Case Summary:	SPT-39 Acquire SIM memory and review hash values for vendor supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 3 09:58:28 EDT 2012
Device:	Moto_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 09:58:28 EDT 2012 Acquisition finished: Mon Jul 9 06:58:01 EDT 2012 Hash values were properly reported for individually acquired SIM data elements
Results:	

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

Analysis:	Expected results achieved

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557 ## 5.2.160 SPT-01 (HTC Tilt2)

Test Case SPT-01 XRY v6.3.1	
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

Test Case SPT-01 XRY v6.3.1	
	All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a "Select All" individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jun 28 07:55:49 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 28 07:55:49 EDT 2012 Acquisition finished: Thu Jun 28 08:14:12 EDT 2012 Device connectivity was established via supported interface
Results:	

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

Analysis:	Expected results achieved

5.2.161 SPT-02 (HTC Tilt2)

Test Case SPT-02 XRY v6.3.1	
Case Summary:	SPT-02 Attempt internal memory acquisition of a nonsupported mobile device.
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device then the tool shall notify the user that the device is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jun 28 08:16:57 EDT 2012
Device:	unsupported_device
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 28 08:16:57 EDT 2012 Acquisition finished: Thu Jun 28 08:36:36 EDT 2012 Identification of nonsupported devices was successful
Results:	

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

Test Case SPT-02 XRY v6.3.1	
Analysis:	Expected results achieved

5.2.162 SPT-03 (HTC Tilt2)

Test Case SPT-03 XRY v6.3.1	
Case Summary:	SPT-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jun 28 10:18:07 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 28 10:18:07 EDT 2012 Acquisition finished: Thu Jun 28 12:17:32 EDT 2012 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

5.2.163 SPT-04 (HTC Tilt2)

Test Case SPT-04 XRY v6.3.1	
Case Summary:	SPT-04 Acquire mobile device internal memory and review reported data via the preview pane or generated reports for readability.
Assertions:	SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jun 28 12:17:55 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 28 12:17:55 EDT 2012 Acquisition finished: Thu Jun 28 12:24:22 EDT 2012 Readability and completeness of acquired data was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-04 Readability and completeness of acquired data via supported reports. / as expected

Test Case SPT-04 XRY v6.3.1	
Analysis:	Expected results achieved

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565 ## 5.2.164 SPT-05 (HTC Tilt2)

Test Case SPT-05 XRY v6.3.1	
Case Summary:	SPT-05 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).
Assertions:	SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error then subscriber-related information shall be presented in a useable format. SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error then equipment related information shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jun 28 12:24:45 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 28 12:24:45 EDT 2012 Acquisition finished: Thu Jun 28 12:44:08 EDT 2012 IMEI, MEID/ESN were acquired
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-05 Acquisition of MSISDN, IMSI. — as expected SPT-CA-06 Acquisition of IMEI/MEID/ESN. — as expected
Analysis:	Expected results achieved

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567 ## 5.2.165 SPT-06 (HTC Tilt2)

Test Case SPT-06 XRY v6.3.1	
Case Summary:	SPT-06 Acquire mobile device internal memory and review reported PIM related data.
Assertions:	SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error then address book entries shall be presented in a useable format. SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error then maximum length address book entries shall be presented in a useable format. SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing special characters shall be presented in a useable format. SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing blank names shall be presented in a useable format. SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error then email addresses associated with address book entries shall be presented in a useable format. SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error then graphics associated with address book entries shall be presented in a useable format. SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error then datebook, calendar, note entries shall be presented in a useable format. SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error then maximum length datebook, calendar, note entries shall be presented in a useable format.

Test Case SPT-06 XRY v6.3.1	
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jun 28 12:44:30 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 28 12:44:30 EDT 2012 Acquisition finished: Thu Jun 28 12:59:08 EDT 2012 All address book entries were successfully acquired ALL PIM related data was acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-07 Acquisition of address book entries.	as expected
SPT-CA-08 Acquisition of maximum length address book entries.	as expected
SPT-CA-09 Acquisition of address book entries containing special characters.	as expected
SPT-CA-10 Acquisition of address book entries containing a blank name entry.	as expected
SPT-CA-11 Acquisition of embedded email addresses within address book entries.	as expected
SPT-CA-12 Acquisition of embedded graphics within address book entries.	as expected
SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	as expected
SPT-CA-14 Acquisition of maximum length PIM data.	as expected

Analysis:	Expected results achieved

5.2.166 SPT-07 (HTC Tilt2)

Test Case SPT-07 XRY v6.3.1	
Case Summary:	SPT-07 Acquire mobile device internal memory and review reported call logs.
Assertions:	SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error then call logs (incoming/outgoing/missed) shall be presented in a useable format. SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jun 28 12:59:51 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 28 12:59:51 EDT 2012 Acquisition finished: Thu Jun 28 13:03:57 EDT 2012 All Call Logs (incoming, outgoing, missed) were acquired All Call Log date/time stamps data were correctly reported
Results:	

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

Test Case SPT-07 XRY v6.3.1	
Analysis:	Expected results achieved

5.2.167 SPT-08 (HTC Tilt2)

Test Case SPT-08 XRY v6.3.1	
Case Summary:	SPT-08 Acquire mobile device internal memory and review reported text messages.
Assertions:	SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format. SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps for text messages shall be presented in a useable format. SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jun 28 13:04:18 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 28 13:04:18 EDT 2012 Acquisition finished: Thu Jun 28 13:16:21 EDT 2012 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

5.2.168 SPT-09 (HTC Tilt2)

Test Case SPT-09 XRY v6.3.1	
Case Summary:	SPT-09 Acquire mobile device internal memory and review reported MMS multi-media related data (i.e., text, audio, graphics, video).
Assertions:	SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated audio shall be presented in a useable format. SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated graphic files shall be presented in a useable format. SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated video shall be presented in a useable format.

Test Case SPT-09 XRY v6.3.1	
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jun 28 13:16:51 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 28 13:16:51 EDT 2012 Acquisition finished: Thu Jun 28 13:21:33 EDT 2012 ALL MMS messages (Audio, Image, Video) were acquired
Results:	

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

Analysis:	Expected results achieved

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575 ## 5.2.169 SPT-10 (HTC Tilt2)

Test Case SPT-10 XRY v6.3.1	
Case Summary:	SPT-10 Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).
Assertions:	SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jun 28 13:22:52 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 28 13:22:52 EDT 2012 Acquisition finished: Thu Jun 28 13:40:00 EDT 2012 ALL stand-alone data files (Audio, Image, Video) were acquired
Results:	

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

Analysis:	Expected results achieved

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5.2.170 SPT-11 (HTC Tilt2)

Test Case SPT-11 XRY v6.3.1	
Case Summary:	SPT-11 Acquire mobile device internal memory and review application related data (i.e., word word documents, spreadsheet, presentation documents).
Assertions:	SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error then device specific application related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jun 28 13:40:28 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 28 13:40:28 EDT 2012 Acquisition finished: Thu Jun 28 13:43:23 EDT 2012 All application data was acquired
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-27 Acquisition of application related data. / as expected
Analysis:	Expected results achieved

5.2.171 SPT-12 (HTC Tilt2)

Test Case SPT-12 XRY v6.3.1	
Case Summary:	SPT-12 Acquire mobile device internal memory and review Internet related data (i.e., bookmarks, visited sites.
Assertions:	SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jun 28 13:44:03 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 28 13:44:03 EDT 2012 Acquisition finished: Thu Jun 28 13:50:59 EDT 2012 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

5.2.172 SPT-13 (HTC Tilt2)

Test Case SPT-13 XRY v6.3.1	
Case Summary:	SPT-13 Acquire mobile device internal memory by selecting a combination of supported data elements.

Test Case SPT-13 XRY v6.3.1	
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with an “Select All” individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition then the tool shall acquire each exclusive data object without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jun 28 13:51:19 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 28 13:51:19 EDT 2012 Acquisition finished: Thu Jun 28 13:59:20 EDT 2012 Acquire All acquisition was successful
Results:	

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

Analysis:	Expected results achieved

582

583 ## 5.2.173 SPT-14 (HTC Tilt2)

Test Case SPT-14 XRY v6.3.1	
Case Summary:	SPT-14 Acquire SIM memory over supported interfaces (e.g., PC/SC reader).
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Jun 29 07:49:05 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 07:49:05 EDT 2012 Acquisition finished: Fri Jun 29 07:50:11 EDT 2012 Media connectivity was established via supported interface
Results:	

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

Analysis:	Expected results achieved

584 ## 5.2.174 SPT-15 (HTC Tilt2)

Test Case SPT-15 XRY v6.3.1

Test Case SPT-15 XRY v6.3.1	
Case Summary:	SPT-15 Attempt acquisition of a nonsupported SIM.
Assertions:	SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM then the tool shall notify the user that the SIM is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Jun 29 07:50:46 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 07:50:46 EDT 2012 Acquisition finished: Fri Jun 29 07:51:09 EDT 2012 Identification of nonsupported media was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-02 Identification of nonsupported SIMs. / as expected
Analysis:	Expected results achieved

585

586 5.2.175 SPT-16 (HTC Tilt2)

Test Case SPT-16 XRY v6.3.1	
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 29 07:46:38 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 07:46:38 EDT 2012 Acquisition finished: Fri Jun 29 07:47:01 EDT 2012 Media acquisition disruption notification was not successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-03 Notification of SIM acquisition disruption. / Not as expected
Analysis:	Expected results not achieved

587

588 5.2.176 SPT-17 (HTC Tilt2)

Test Case SPT-17 XRY v6.3.1	
Case Summary:	SPT-17 Acquire SIM memory and review reported subscriber and equipment related information (i.e., SPN, ICCID, IMSI, MSISDN).
Assertions:	SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error then the SPN shall be presented in a useable format. SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error then the ICCID shall be presented in a useable format. SPT-AO-06 If a cellular forensic tool completes acquisition of the target

Test Case SPT-17 XRY v6.3.1	
	SIM without error then the IMSI shall be presented in a useable format. SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error then the MSISDN shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Jun 29 08:36:11 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 08:36:11 EDT 2012 Acquisition finished: Fri Jun 29 08:36:24 EDT 2012 All subscriber-related data (i.e., SPN, ICCID, IMSI, MSISDN) was acquired
Results:	

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

Analysis:	Expected results achieved

589

590 ## 5.2.177 SPT-18 (HTC Tilt2)

Test Case SPT-18 XRY v6.3.1	
Case Summary:	SPT-18 Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).
Assertions:	SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format. SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error then maximum length ADNs shall be presented in a useable format. SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing special characters shall be presented in a useable format. SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing blank names shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Jun 29 08:36:53 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 08:36:53 EDT 2012 Acquisition finished: Fri Jun 29 08:55:54 EDT 2012 All ADNs were acquired
Results:	

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

Test Case SPT-18 XRY v6.3.1	
Analysis:	Expected results achieved

591

592 5.2.178 SPT-19 (HTC Tilt2)

Test Case SPT-19 XRY v6.3.1	
Case Summary:	SPT-19 Acquire SIM memory and review reported Last Numbers Dialed (LND).
Assertions:	SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error then Last Numbers Dialed (LND) shall be presented in a useable format. SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Jun 29 08:56:31 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 08:56:31 EDT 2012 Acquisition finished: Fri Jun 29 08:57:00 EDT 2012 LNDs were acquired Date/Time Stamps correctly reported for LNDs
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-12 Acquisition of LNDs. / as expected SPT-AO-13 Acquisition of LND date/time stamps. / as expected
Analysis:	Expected results achieved

593

594 5.2.179 SPT-20 (HTC Tilt2)

Test Case SPT-20 XRY v6.3.1	
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 29 08:57:27 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log	Created by XRY v6.3.1

Test Case SPT-20 XRY v6.3.1	
Highlights:	Acquisition started: Fri Jun 29 08:57:27 EDT 2012 Acquisition finished: Fri Jun 29 08:58:43 EDT 2012 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

595

596 ## 5.2.180 SPT-21 (HTC Tilt2)

Test Case SPT-21 XRY v6.3.1	
Case Summary:	SPT-21 Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).
Assertions:	SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error then deleted text messages that have not been overwritten shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Jun 29 08:59:12 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 08:59:12 EDT 2012 Acquisition finished: Fri Jun 29 09:01:09 EDT 2012 Deleted text message data was recovered
Results:	

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

Analysis:	Expected results achieved

597

598 ## 5.2.181 SPT-22 (HTC Tilt2)

Test Case SPT-22 XRY v6.3.1	
Case Summary:	SPT-22 Acquire SIM memory and review reported location related data (i.e., LOCI, GPRSLOCI).
Assertions:	SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., LOCI) shall be presented in a useable format. SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., GRPSLOCI) shall be presented in a useable format.

Test Case SPT-22 XRY v6.3.1	
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Jun 29 09:01:48 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 09:01:48 EDT 2012 Acquisition finished: Fri Jun 29 09:02:47 EDT 2012 LOCI data was acquired GPRSLOCI data was acquired
Results:	

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

Analysis:	Expected results achieved

5.2.182 SPT-23 (HTC Tilt2)

Test Case SPT-23 XRY v6.3.1	
Case Summary:	SPT-23 Acquire SIM memory by selecting a combination of supported data elements.
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself). SPT-AO-22 If a cellular forensic tool provides the user with an “Acquire All” SIM data objects acquisition option then the tool shall complete the acquisition of all data objects without error. 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.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Jun 29 09:03:13 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 09:03:13 EDT 2012 Acquisition finished: Fri Jun 29 09:06:06 EDT 2012 Acquire All acquisition was successful
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-01 SIM connectivity via supported interfaces.	as expected
SPT-AO-22 Acquire-All data objects acquisition.	as expected
SPT-AO-23 Select-All data objects acquisition.	as expected
SPT-AO-24 Select-Individual data objects acquisition.	as expected

Analysis:	Expected results achieved

602 ## 5.2.183 SPT-24 (HTC Tilt2)

Test Case SPT-24 XRY v6.3.1	
Case Summary:	SPT-24 Acquire mobile device internal memory and review reported data via supported generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format via supported generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jun 28 14:00:02 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 28 14:00:02 EDT 2012 Acquisition finished: Thu Jun 28 14:02:22 EDT 2012 Complete representation of known data via generated reports was successful
Results:	

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

Analysis:	Expected results achieved

603

604 ## 5.2.184 SPT-25 (HTC Tilt2)

Test Case SPT-25 XRY v6.3.1	
Case Summary:	SPT-25 Acquire mobile device internal memory and review reported data via the preview pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format in a preview pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jun 28 14:02:53 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 28 14:02:53 EDT 2012 Acquisition finished: Thu Jun 28 14:07:25 EDT 2012 Complete representation of known data via preview pane was successful
Results:	

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

Analysis:	Expected results achieved

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606 ## 5.2.185 SPT-26 (HTC Tilt2)

Test Case SPT-26 XRY v6.3.1	
Case	SPT-26 Acquire SIM memory and review reported data via supported generated

Test Case SPT-26 XRY v6.3.1	
Summary:	report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable format via supported generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Jun 29 09:06:40 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 09:06:40 EDT 2012 Acquisition finished: Fri Jun 29 09:07:48 EDT 2012 Complete representation of known data via generated reports was successful
Results:	

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

Analysis:	Expected results achieved

607

608 ## 5.2.186 SPT-27 (HTC Tilt2)

Test Case SPT-27 XRY v6.3.1	
Case Summary:	SPT-27 Acquire SIM memory and review reported data via the preview-pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable format in a preview pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Jun 29 09:08:16 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 09:08:16 EDT 2012 Acquisition finished: Fri Jun 29 09:32:35 EDT 2012 Complete representation of known data via preview pane was successful
Results:	

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

Analysis:	Expected results achieved

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610

611 ## 5.2.187 SPT-28 (HTC Tilt2)

Test Case SPT-28 XRY v6.3.1	
Case Summary:	SPT-28 Attempt acquisition of a password-protected SIM.

Test Case SPT-28 XRY v6.3.1	
Assertions:	SPT-AO-28 If the SIM is password-protected then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Jun 29 09:08:32 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 09:08:32 EDT 2012 Acquisition finished: Fri Jun 29 09:32:11 EDT 2012 Ability to enter PIN on protected media before acquisition was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-28 Acquisition of password word protected SIM. / as expected
Analysis:	Expected results achieved

612

613 5.2.188 SPT-29 (HTC Tilt2)

Test Case SPT-29 XRY v6.3.1	
Case Summary:	SPT-29 After a successful mobile device internal memory, alter the case file via third-party means and attempt to re-open the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jun 28 14:09:06 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 28 14:09:06 EDT 2012 Acquisition finished: Thu Jun 28 14:10:04 EDT 2012 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

614

615 5.2.189 SPT-30 (HTC Tilt2)

Test Case SPT-30 XRY v6.3.1	
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 Case SPT-30 XRY v6.3.1	
Test Date:	Fri Jun 29 09:33:24 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 09:33:24 EDT 2012 Acquisition finished: Fri Jun 29 09:48:20 EDT 2012 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

616

617 ## 5.2.190 SPT-31 (HTC Tilt2)

Test Case SPT-31 XRY v6.3.1	
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:	Fri Jun 29 07:30:44 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 07:30:44 EDT 2012 Acquisition finished: Fri Jun 29 07:31:16 EDT 2012 Physical Acquisition: readability and completeness was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-31 Physical acquisition, data is presented in a useable format. / as expected
Analysis:	Expected results achieved

618

619 ## 5.2.191 SPT-32 (HTC Tilt2)

Test Case SPT-32 XRY v6.3.1	
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.

Test Case SPT-32 XRY v6.3.1	
	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. 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:	Fri Jun 29 07:32:11 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 07:32:11 EDT 2012 Acquisition finished: Fri Jun 29 07:33:32 EDT 2012 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 recovered Deleted audio data was not recovered - NA Deleted graphic data was not recovered - NA Deleted video data was not recovered - NA
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-32 Physical acquisition, recovery of deleted address book entries.	as expected
SPT-AO-33 Physical acquisition, recovery of deleted PIM data.	as expected
SPT-AO-34 Physical acquisition, recovery of deleted call logs.	as expected
SPT-AO-35 Physical acquisition, recovery of deleted SMS messages.	as expected
SPT-AO-36 Physical acquisition, recovery of deleted EMS messages.	as 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:	Expected results achieved

5.2.192 SPT-33 (HTC Tilt2)

Test Case SPT-33 XRY v6.3.1

Test Case SPT-33 XRY v6.3.1	
Case Summary:	SPT-33 Acquire mobile device internal memory and review data containing non-ASCII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters then the application should present address book entries in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters then the application should present text messages in their native format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jun 28 14:10:31 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 28 14:10:31 EDT 2012 Acquisition finished: Thu Jun 28 14:14:53 EDT 2012 Non-ASCII Address book entries were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed
Results:	

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

Analysis:	Expected results achieved

5.2.193 SPT-34 (HTC Tilt2)

Test Case SPT-34 XRY v6.3.1	
Case Summary:	SPT-34 Acquire SIM memory and review data containing non-ASCII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters then the application should present ADNs in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters then the application should present text messages in their native format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Jun 29 10:00:38 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 10:00:38 EDT 2012 Acquisition finished: Fri Jun 29 10:12:49 EDT 2012 Non-ASCII ADNs were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed
Results:	

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

Test Case SPT-34 XRY v6.3.1	
Analysis:	Expected results achieved

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625 ## 5.2.194 SPT-35 (HTC Tilt2)

Test Case SPT-35 XRY v6.3.1	
Case Summary:	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.
Assertions:	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.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Jun 29 10:00:56 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 10:00:56 EDT 2012 Acquisition finished: Fri Jun 29 10:13:09 EDT 2012 The remaining number of PIN attempts were properly displayed
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-29 Display remaining number of PIN attempts. / as expected
Analysis:	Expected results achieved

626

627 ## 5.2.195 SPT-36 (HTC Tilt2)

Test Case SPT-36 XRY v6.3.1	
Case Summary:	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.
Assertions:	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.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Jun 29 10:01:13 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 10:01:13 EDT 2012 Acquisition finished: Fri Jun 29 10:13:26 EDT 2012 Remaining number of PUK attempts were properly displayed
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-30 Display remaining number of PUK attempts. / as expected
Analysis:	Expected results achieved

5.2.196 SPT-38 (HTC Tilt2)

Test Case SPT-38 XRY v6.3.1	
Case Summary:	SPT-38 Acquire mobile device internal memory and review hash values for vendor supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jun 28 14:15:19 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 28 14:15:19 EDT 2012 Acquisition finished: Thu Jun 28 14:20:19 EDT 2012 Hash values were properly reported for individually acquired device data elements
Results:	

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

Analysis:	Expected results achieved

5.2.197 SPT-39 (HTC Tilt2)

Test Case SPT-39 XRY v6.3.1	
Case Summary:	SPT-39 Acquire SIM memory and review hash values for vendor supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Jun 29 10:14:53 EDT 2012
Device:	HTC_Tilt2
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 10:14:53 EDT 2012 Acquisition finished: Fri Jun 29 10:15:34 EDT 2012 Hash values were properly reported for individually acquired SIM data elements
Results:	

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

Analysis:	Expected results achieved

5.2.198 SPT-01 (iPhone4 CDMA)

Test Case SPT-01 XRY v6.3.1	
Case Summary:	SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane ’or generated report. SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a “Select All” individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition then the tool shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jun 25 07:23:05 EDT 2012
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jun 25 07:23:05 EDT 2012 Acquisition finished: Mon Jun 25 07:26:57 EDT 2012 Device connectivity was established via supported interface
Results:	

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

Analysis:	Expected results achieved

5.2.199 SPT-02 (iPhone4 CDMA)

Test Case SPT-02 XRY v6.3.1	
Case Summary:	SPT-02 Attempt internal memory acquisition of a nonsupported mobile device.
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device then the tool shall notify the user that the device is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jun 25 07:30:16 EDT 2012
Device:	unsupported_device
Source	OS: WIN XP v5.1.2600

Test Case SPT-02 XRY v6.3.1	
Setup:	Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jun 25 07:30:16 EDT 2012 Acquisition finished: Mon Jun 25 07:46:36 EDT 2012 Identification of nonsupported devices was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-02 Identification of nonsupported devices. / as expected
Analysis:	Expected results achieved

635

636 ## 5.2.200 SPT-03 (iPhone4 CDMA)

Test Case SPT-03 XRY v6.3.1	
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 25 07:47:18 EDT 2012
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jun 25 07:47:18 EDT 2012 Acquisition finished: Mon Jun 25 08:10:02 EDT 2012 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

637

638 ## 5.2.201 SPT-04 (iPhone4 CDMA)

Test Case SPT-04 XRY v6.3.1	
Case Summary:	SPT-04 Acquire mobile device internal memory and review reported data via the preview pane ’or generated reports for readability.
Assertions:	SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jun 25 08:13:52 EDT 2012
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jun 25 08:13:52 EDT 2012

Test Case SPT-04 XRY v6.3.1	
	Acquisition finished: Mon Jun 25 08:28:59 EDT 2012 Readability and completeness of acquired data was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-04 Readability and completeness of acquired data via supported reports. / as expected
Analysis:	Expected results achieved

639

640 5.2.202 SPT-05 (iPhone4 CDMA)

Test Case SPT-05 XRY v6.3.1	
Case Summary:	SPT-05 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).
Assertions:	SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error then subscriber-related information shall be presented in a useable format. SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error then equipment related information shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jun 25 09:01:39 EDT 2012
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jun 25 09:01:39 EDT 2012 Acquisition finished: Mon Jun 25 10:12:39 EDT 2012 IMEI, MEID/ESN were not acquired
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-05 Acquisition of MSISDN, IMSI. / as expected SPT-CA-06 Acquisition of IMEI/MEID/ESN. / as expected
Analysis:	Expected results achieved

641

642 5.2.203 SPT-06 (iPhone4 CDMA)

Test Case SPT-06 XRY v6.3.1	
Case Summary:	SPT-06 Acquire mobile device internal memory and review reported PIM related data.
Assertions:	SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error then address book entries shall be presented in a useable format. SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error then maximum length address book entries shall be presented in a useable format. SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing special characters shall be presented in a useable format. SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing blank names shall be presented in a useable format. SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error then email addresses associated with address book

Test Case SPT-06 XRY v6.3.1	
	entries shall be presented in a useable format. SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error then graphics associated with address book entries shall be presented in a useable format. SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error then datebook, calendar, note entries shall be presented in a useable format. SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error then maximum length datebook, calendar, note entries shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jun 25 10:43:29 EDT 2012
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jun 25 10:43:29 EDT 2012 Acquisition finished: Mon Jun 25 10:48:17 EDT 2012 All address book entries were successfully acquired ALL PIM related data was acquired
Results:	
Analysis:	Expected results achieved

Assertion & Expected Result	Actual Result
SPT-CA-07 Acquisition of address book entries.	as expected
SPT-CA-08 Acquisition of maximum length address book entries.	as expected
SPT-CA-09 Acquisition of address book entries containing special characters.	as expected
SPT-CA-10 Acquisition of address book entries containing a blank name entry.	as expected
SPT-CA-11 Acquisition of embedded email addresses within address book entries.	as expected
SPT-CA-12 Acquisition of embedded graphics within address book entries.	as expected
SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	as expected
SPT-CA-14 Acquisition of maximum length PIM data.	as expected

5.2.204 SPT-07 (iPhone4 CDMA)

Test Case SPT-07 XRY v6.3.1	
Case Summary:	SPT-07 Acquire mobile device internal memory and review reported call logs.
Assertions:	SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error then call logs (incoming/outgoing/missed) shall be presented in a useable format. SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jun 25 12:48:52 EDT 2012
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log	Created by XRY v6.3.1

Test Case SPT-07 XRY v6.3.1	
Highlights:	Acquisition started: Mon Jun 25 12:48:52 EDT 2012 Acquisition finished: Mon Jun 25 12:50:03 EDT 2012 All Call Logs (incoming, outgoing, missed) were acquired All Call Log date/time stamps data were correctly reported
Results:	

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

Analysis:	Expected results achieved

5.2.205 SPT-08 (iPhone4 CDMA)

Test Case SPT-08 XRY v6.3.1	
Case Summary:	SPT-08 Acquire mobile device internal memory and review reported text messages.
Assertions:	SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format. SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps for text messages shall be presented in a useable format. SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 26 07:25:56 EDT 2012
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 26 07:25:56 EDT 2012 Acquisition finished: Tue Jun 26 07:27:31 EDT 2012 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

5.2.206 SPT-09 (iPhone4 CDMA)

Test Case SPT-09 XRY v6.3.1	
Case Summary:	SPT-09 Acquire mobile device internal memory and review reported MMS multi-media related data (i.e., text, audio, graphics, video).
Assertions:	SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated audio shall be presented in a useable format. SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated graphic files shall be presented in a useable format. SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated video shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 26 07:28:16 EDT 2012
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 26 07:28:16 EDT 2012 Acquisition finished: Tue Jun 26 07:48:34 EDT 2012 ALL MMS messages (Audio, Image, Video) were acquired
Results:	

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

Analysis:	Expected results achieved

5.2.207 SPT-10 (iPhone4 CDMA)

Test Case SPT-10 XRY v6.3.1	
Case Summary:	SPT-10 Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).
Assertions:	SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 26 12:15:48 EDT 2012
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 26 12:15:48 EDT 2012 Acquisition finished: Tue Jun 26 12:35:48 EDT 2012

Test Case SPT-10 XRY v6.3.1	
	ALL stand-alone data files (Audio, Image, Video) were acquired
Results:	

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

Analysis:	Expected results achieved

5.2.208 SPT-11 (iPhone4 CDMA)

Test Case SPT-11 XRY v6.3.1	
Case Summary:	SPT-11 Acquire mobile device internal memory and review application related data (i.e., word documents, spreadsheet, presentation documents).
Assertions:	SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error then device specific application related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 26 12:36:18 EDT 2012
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 26 12:36:18 EDT 2012 Acquisition finished: Tue Jun 26 12:57:32 EDT 2012 All application data was acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-27 Acquisition of application related data.	as expected

Analysis:	Expected results achieved

5.2.209 SPT-12 (iPhone4 CDMA)

Test Case SPT-12 XRY v6.3.1	
Case Summary:	SPT-12 Acquire mobile device internal memory and review Internet related data (i.e., bookmarks, visited sites.
Assertions:	SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 26 12:57:57 EDT 2012
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 26 12:57:57 EDT 2012 Acquisition finished: Tue Jun 26 13:15:08 EDT 2012

Test Case SPT-12 XRY v6.3.1	
	All Internet related data was acquired
Results:	<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>
Analysis:	Expected results achieved

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657 5.2.210 SPT-13 (iPhone4 CDMA)

Test Case SPT-13 XRY v6.3.1	
Case Summary:	SPT-13 Acquire mobile device internal memory by selecting a combination of supported data elements.
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with an “Select All” individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition then the tool shall acquire each exclusive data object without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 26 13:15:38 EDT 2012
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 26 13:15:38 EDT 2012 Acquisition finished: Tue Jun 26 13:28:27 EDT 2012 Acquire All acquisition was successful
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-CA-29 Acquire-All data objects acquisition.</td><td>as expected</td></tr><tr><td>SPT-CA-30 Select-All data objects acquisition.</td><td>as expected</td></tr><tr><td>SPT-CA-31 Select-Individual data objects acquisition.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

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659 5.2.211 SPT-24 (iPhone4 CDMA)

Test Case SPT-24 XRY v6.3.1	
Case Summary:	SPT-24 Acquire mobile device internal memory and review reported data via supported generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format via supported generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 26 13:31:13 EDT 2012
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 26 13:31:13 EDT 2012

Test Case SPT-24 XRY v6.3.1	
	Acquisition finished: Tue Jun 26 13:35:36 EDT 2012 Complete representation of known data via generated reports was successful
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-AO-25 Comparison of known device data elements via generated reports.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

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661 ## 5.2.212 SPT-25 (iPhone4 CDMA)

Test Case SPT-25 XRY v6.3.1	
Case Summary:	SPT-25 Acquire mobile device internal memory and review reported data via the preview pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format in a preview pane 'view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 26 13:36:06 EDT 2012
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 26 13:36:06 EDT 2012 Acquisition finished: Tue Jun 26 13:48:07 EDT 2012 Complete representation of known data via preview pane was successful
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-AO-26 Comparison of known device data elements via preview-pane.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

662

663 ## 5.2.213 SPT-29 (iPhone4 CDMA)

Test Case SPT-29 XRY v6.3.1	
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 26 13:48:37 EDT 2012
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 26 13:48:37 EDT 2012 Acquisition finished: Tue Jun 26 13:52:32 EDT 2012 Notification of modified device memory data was successful

Test Case SPT-29 XRY v6.3.1	
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-27 Notification of modified device case data. / as expected
Analysis:	Expected results achieved

664

665 5.2.214 SPT-31 (iPhone4 CDMA)

Test Case SPT-31 XRY v6.3.1	
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:	Mon Jun 25 10:15:11 EDT 2012
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jun 25 10:15:11 EDT 2012 Acquisition finished: Mon Jun 25 10:20:17 EDT 2012 Physical Acquisition: readability and completeness was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-31 Physical acquisition, data is presented in a useable format. / as expected
Analysis:	Expected results achieved

666

667 5.2.215 SPT-32 (iPhone4 CDMA)

Test Case SPT-32 XRY v6.3.1	
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

<table>
<tr><th colspan="2">Test Case SPT-32 XRY v6.3.1</th></tr>
<tr><td></td><td>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.</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 25 10:20:55 EDT 2012</td></tr>
<tr><td>Device:</td><td>iPhone4_CDMA</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP v5.1.2600
Interface: cable</td></tr>
<tr><td>Log Highlights:</td><td>Created by XRY v6.3.1
Acquisition started: Mon Jun 25 10:20:55 EDT 2012
Acquisition finished: Mon Jun 25 10:26:53 EDT 2012

Deleted address book entries were not recovered
Deleted PIM data was partially recovered
Deleted Call log data was recovered
Deleted text message data was recovered
Deleted audio data was not recovered - NA
Deleted graphic data was not recovered - NA
Deleted video data was not recovered – NA

Notes: Deleted calendar entries were not recovered.</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-32 Physical acquisition, recovery of deleted address book entries.</td><td>Not as expected</td></tr>
<tr><td>SPT-AO-33 Physical acquisition, recovery of deleted PIM data.</td><td>Partial</td></tr>
<tr><td>SPT-AO-34 Physical acquisition, recovery of deleted call logs.</td><td>as expected</td></tr>
<tr><td>SPT-AO-35 Physical acquisition, recovery of deleted SMS messages.</td><td>as expected</td></tr>
<tr><td>SPT-AO-36 Physical acquisition, recovery of deleted EMS messages.</td><td>as expected</td></tr>
<tr><td>SPT-AO-37 Physical acquisition, recovery of deleted stand-alone audio files.</td><td>as expected</td></tr>
<tr><td>SPT-AO-38 Physical acquisition, recovery of deleted graphic files.</td><td>as expected</td></tr>
<tr><td>SPT-AO-39 Physical acquisition, recovery of deleted video files.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results partially achieved</td></tr>
</table>

668

669 ## 5.2.216 SPT-33 (iPhone4 CDMA)

Test Case SPT-33 XRY v6.3.1	
Case Summary:	SPT-33 Acquire mobile device internal memory and review data containing non-ASCII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters then the application should present address book entries in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters then the application should present text messages in their native format.

Test Case SPT-33 XRY v6.3.1	
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 26 13:54:14 EDT 2012
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 26 13:54:14 EDT 2012 Acquisition finished: Tue Jun 26 14:10:25 EDT 2012 Non-ASCII Address book entries were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed
Results:	

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

Analysis:	Expected results achieved

670

671 ## 5.2.217 SPT-38 (iPhone4 CDMA)

Test Case SPT-38 XRY v6.3.1	
Case Summary:	SPT-38 Acquire mobile device internal memory and review hash values for vendor supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 26 14:11:39 EDT 2012
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 26 14:11:39 EDT 2012 Acquisition finished: Tue Jun 26 14:16:47 EDT 2012 Hash values were properly reported for individually acquired device data elements
Results:	

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

Analysis:	Expected results achieved

672

673 ## 5.2.218 SPT-40 (iPhone4 CDMA)

Test Case SPT-40 XRY v6.3.1	
Case Summary:	SPT-40 Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.
Assertions:	SPT-AO-44 If the cellular forensic tool supports acquisition of GPS data then the tool shall present the user with the longitude and latitude

Test Case SPT-40 XRY v6.3.1	
	coordinates for all GPS-related data in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 26 14:18:40 EDT 2012
Device:	iPhone4_CDMA
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 26 14:18:40 EDT 2012 Acquisition finished: Tue Jun 26 14:22:26 EDT 2012 GPS Coordinate data was successfully acquired
Results:	

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

Analysis:	Expected results achieved

674

675 ## 5.2.219 SPT-01 (HTC Thunderbolt)

Test Case SPT-01 XRY v6.3.1	
Case Summary:	SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report. SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a “Select All” individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition then the tool shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jun 27 07:24:28 EDT 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 07:24:28 EDT 2012 Acquisition finished: Wed Jun 27 08:08:25 EDT 2012 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

Test Case SPT-01 XRY v6.3.1		
	SPT-CA-29 Acquire-All data objects acquisition.	as expected
	SPT-CA-30 Select-All data objects acquisition.	as expected
	SPT-CA-31 Select-Individual data objects acquisition.	as expected
	SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.	as expected
Analysis:	Expected results achieved	

676

677 ## 5.2.220 SPT-02 (HTC Thunderbolt)

Test Case SPT-02 XRY v6.3.1	
Case Summary:	SPT-02 Attempt internal memory acquisition of a nonsupported mobile device.
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device then the tool shall notify the user that the device is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jun 27 08:09:04 EDT 2012
Device:	unsupported_device
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 08:09:04 EDT 2012 Acquisition finished: Wed Jun 27 08:31:08 EDT 2012 Identification of nonsupported devices was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-02 Identification of nonsupported devices. / as expected
Analysis:	Expected results achieved

678

679 ## 5.2.221 SPT-03 (HTC Thunderbolt)

Test Case SPT-03 XRY v6.3.1	
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 27 08:31:28 EDT 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 08:31:28 EDT 2012 Acquisition finished: Wed Jun 27 08:53:13 EDT 2012 Device acquisition disruption notification was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-03 Notification of device acquisition disruption. / as expected

Test Case SPT-03 XRY v6.3.1	
Analysis:	Expected results achieved

5.2.222 SPT-04 (HTC Thunderbolt)

Test Case SPT-04 XRY v6.3.1	
Case Summary:	SPT-04 Acquire mobile device internal memory and review reported data via the preview pane or generated reports for readability.
Assertions:	SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jun 27 08:53:35 EDT 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 08:53:35 EDT 2012 Acquisition finished: Wed Jun 27 09:35:05 EDT 2012 Readability and completeness of acquired data was successful
Results:	

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

Analysis:	Expected results achieved

5.2.223 SPT-05 (HTC Thunderbolt)

Test Case SPT-05 XRY v6.3.1	
Case Summary:	SPT-05 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).
Assertions:	SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error then subscriber-related information shall be presented in a useable format. SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error then equipment related information shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jun 27 09:35:25 EDT 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 09:35:25 EDT 2012 Acquisition finished: Wed Jun 27 09:58:46 EDT 2012 IMEI, MEID/ESN were acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-05 Acquisition of MSISDN, IMSI.	as expected

Test Case SPT-05 XRY v6.3.1	
	SPT-CA-06 Acquisition of IMEI/MEID/ESN. | as expected
Analysis:	Expected results achieved

684

685 ## 5.2.224 SPT-06 (HTC Thunderbolt)

Test Case SPT-06 XRY v6.3.1	
Case Summary:	SPT-06 Acquire mobile device internal memory and review reported PIM related data.
Assertions:	SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error then address book entries shall be presented in a useable format. SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error then maximum length address book entries shall be presented in a useable format. SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing special characters shall be presented in a useable format. SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing blank names shall be presented in a useable format. SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error then email addresses associated with address book entries shall be presented in a useable format. SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error then graphics associated with address book entries shall be presented in a useable format. SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error then datebook, calendar, note entries shall be presented in a useable format. SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error then maximum length datebook, calendar, note entries shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jun 27 09:59:16 EDT 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 09:59:16 EDT 2012 Acquisition finished: Wed Jun 27 10:08:09 EDT 2012 All address book entries were successfully acquired ALL PIM related data was acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-07 Acquisition of address book entries.	as expected
SPT-CA-08 Acquisition of maximum length address book entries.	as expected
SPT-CA-09 Acquisition of address book entries containing special characters.	as expected
SPT-CA-10 Acquisition of address book entries containing a blank name entry.	as expected
SPT-CA-11 Acquisition of embedded email addresses within address book entries.	as expected
SPT-CA-12 Acquisition of embedded graphics within address book entries.	as expected
SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	as expected
SPT-CA-14 Acquisition of maximum length PIM data.	as expected

Test Case SPT-06 XRY v6.3.1	
Analysis:	Expected results achieved

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687 5.2.225 SPT-07 (HTC Thunderbolt)

Test Case SPT-07 XRY v6.3.1	
Case Summary:	SPT-07 Acquire mobile device internal memory and review reported call logs.
Assertions:	SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error then call logs (incoming/outgoing/missed) shall be presented in a useable format. SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jun 27 10:08:32 EDT 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 10:08:32 EDT 2012 Acquisition finished: Wed Jun 27 10:30:06 EDT 2012 All Call Logs (incoming, outgoing, missed) were acquired All Call Log date/time stamps data were correctly reported
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-15 Acquisition of call logs. / as expected SPT-CA-16 Acquisition of call log date/time stamps. / as expected
Analysis:	Expected results achieved

688

689 5.2.226 SPT-08 (HTC Thunderbolt)

Test Case SPT-08 XRY v6.3.1	
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 27 10:31:07 EDT 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 10:31:07 EDT 2012 Acquisition finished: Wed Jun 27 12:06:36 EDT 2012

Test Case SPT-08 XRY v6.3.1	
	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

690

691 5.2.227 SPT-09 (HTC Thunderbolt)

Test Case SPT-09 XRY v6.3.1	
Case Summary:	SPT-09 Acquire mobile device internal memory and review reported MMS multi-media related data (i.e., text, audio, graphics, video).
Assertions:	SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated audio shall be presented in a useable format. SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated graphic files shall be presented in a useable format. SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated video shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jun 27 12:07:07 EDT 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 12:07:07 EDT 2012 Acquisition finished: Wed Jun 27 12:19:08 EDT 2012 ALL MMS messages (Audio, Image, Video) were acquired
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-21 Acquisition of audio MMS messages. — as expected SPT-CA-22 Acquisition of graphic data image MMS messages. — as expected SPT-CA-23 Acquisition of video MMS messages. — as expected
Analysis:	Expected results achieved

692

693 5.2.228 SPT-10 (HTC Thunderbolt)

Test Case SPT-10 XRY v6.3.1	
Case Summary:	SPT-10 Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).
Assertions:	SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error then stand-alone audio files shall be presented in a

Test Case SPT-10 XRY v6.3.1	
	useable format via either an internal application or suggested third-party application. SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jun 27 12:19:47 EDT 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 12:19:47 EDT 2012 Acquisition finished: Wed Jun 27 12:32:54 EDT 2012 ALL stand-alone data files (Audio, Image, Video) were acquired
Results:	

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

Analysis:	Expected results achieved

5.2.229 SPT-11 (HTC Thunderbolt)

Test Case SPT-11 XRY v6.3.1	
Case Summary:	SPT-11 Acquire mobile device internal memory and review application related data (i.e., word documents, spreadsheet, presentation documents).
Assertions:	SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error then device specific application related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jun 27 12:33:19 EDT 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 12:33:19 EDT 2012 Acquisition finished: Wed Jun 27 13:03:28 EDT 2012 All application data was acquired
Results:	

Assertion & Expected Result	Actual Result
SPT-CA-27 Acquisition of application related data.	as expected

Analysis:	Expected results achieved

5.2.230 SPT-12 (HTC Thunderbolt)

Test Case SPT-12 XRY v6.3.1	
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 27 13:03:50 EDT 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 13:03:50 EDT 2012 Acquisition finished: Wed Jun 27 13:38:59 EDT 2012 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

5.2.231 SPT-13 (HTC Thunderbolt)

Test Case SPT-13 XRY v6.3.1	
Case Summary:	SPT-13 Acquire mobile device internal memory by selecting a combination of supported data elements.
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with an “Select All” individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition then the tool shall acquire each exclusive data object without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jun 27 13:39:18 EDT 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 13:39:18 EDT 2012 Acquisition finished: Wed Jun 27 13:50:24 EDT 2012 Acquire All acquisition was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-29 Acquire-All data objects acquisition. / as expected SPT-CA-30 Select-All data objects acquisition. / as expected SPT-CA-31 Select-Individual data objects acquisition. / as expected
Analysis:	Expected results achieved

5.2.232 SPT-24 (HTC Thunderbolt)

Test Case SPT-24 XRY v6.3.1	
Case Summary:	SPT-24 Acquire mobile device internal memory and review reported data via supported generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format via supported generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jun 27 14:04:12 EDT 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 14:04:12 EDT 2012 Acquisition finished: Wed Jun 27 14:06:19 EDT 2012 Complete representation of known data via generated reports was successful
Results:	

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

Analysis:	Expected results achieved

5.2.233 SPT-25 (HTC Thunderbolt)

Test Case SPT-25 XRY v6.3.1	
Case Summary:	SPT-25 Acquire mobile device internal memory and review reported data via the preview pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format in a preview pane ’view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jun 27 14:06:50 EDT 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 14:06:50 EDT 2012 Acquisition finished: Wed Jun 27 14:10:19 EDT 2012 Complete representation of known data via preview pane ’was successful
Results:	

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

Analysis:	Expected results achieved

5.2.234 SPT-29 (HTC Thunderbolt)

Test Case SPT-29 XRY v6.3.1	
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 27 14:10:50 EDT 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 14:10:50 EDT 2012 Acquisition finished: Wed Jun 27 14:12:34 EDT 2012 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

5.2.235 SPT-33 (HTC Thunderbolt)

Test Case SPT-33 XRY v6.3.1	
Case Summary:	SPT-33 Acquire mobile device internal memory and review data containing non-ASCII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters then the application should present address book entries in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters then the application should present text messages in their native format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jun 27 14:13:02 EDT 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 14:13:02 EDT 2012 Acquisition finished: Wed Jun 27 14:14:16 EDT 2012 Non-ASCII Address book entries were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed
Results:	

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

Analysis:	Expected results achieved

5.2.236 SPT-38 (HTC Thunderbolt)

Test Case SPT-38 XRY v6.3.1	
Case Summary:	SPT-38 Acquire mobile device internal memory and review hash values for vendor supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jun 27 14:15:16 EDT 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 14:15:16 EDT 2012 Acquisition finished: Wed Jun 27 14:17:15 EDT 2012 Hash values were properly reported for individually acquired device data elements
Results:	

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

Analysis:	Expected results achieved

5.2.237 SPT-40 (HTC Thunderbolt)

Test Case SPT-40 XRY v6.3.1	
Case Summary:	SPT-40 Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.
Assertions:	SPT-AO-44 If the cellular forensic tool supports acquisition of GPS data then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jun 27 14:17:39 EDT 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 14:17:39 EDT 2012 Acquisition finished: Wed Jun 27 14:22:39 EDT 2012 GPS Coordinate data was successfully acquired
Results:	

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

Analysis:	Expected results achieved

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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.

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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.

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