SEPT. 2012

U.S. Department of Justice
Office of Justice Programs
National Institute of Justice

NIJ

Special **REPORT**

Test Results for Mobile Device Acquisition Tool: Mobile Phone Examiner Plus (MPE+) 4.6.0.2

nij.gov

Office of Justice Programs
Innovation • Partnerships • Safer Neighborhoods
www.ojp.usdoj.gov

U.S. Department of Justice
Office of Justice Programs
810 Seventh Street N.W.
Washington, DC 20531

This and other publications and products of the National Institute of Justice can be found at:

National Institute of Justice
www.nij.gov

Office of Justice Programs
Innovation • Partnerships • Safer Neighborhoods
www.ojp.usdoj.gov

NIJ

SEPT. 2012

Test Results for Mobile Device Acquisition Tool: Mobile Phone Examiner Plus (MPE+) 4.6.0.2

NCJ 238996

NIJ

John Laub

Director, National Institute of Justice

This report was prepared for the National Institute of Justice, U.S. Department of Justice, by the Office of Law Enforcement Standards of the National Institute of Standards and Technology under Interagency Agreement 2003–IJ–R–029.

The National Institute of Justice is a component of the Office of Justice Programs, which also includes the Bureau of Justice Assistance, the Bureau of Justice Statistics, the Office of Juvenile Justice and Delinquency Prevention, and the Office for Victims of Crime.

September 2012

Test Results for Mobile Device Acquisition Tool:
Mobile Phone Examiner Plus (MPE+) 4.6.0.2

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

Contents

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 (NIST) 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, and the U.S. Department of Homeland Security's Bureau of Immigration and Customs Enforcement, U.S. Customs and Border Protection and U.S. Secret Service, the Naval Postgraduate School, the National White Collar Crime Center, the U.S. 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, users to make informed choices, and 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 Mobile Phone Examiner Plus, version 4.6.0.2, against the *Smart Phone Tool Test Assertions and Test Plan*, available at the CFTT Web site (http://www.cftt.nist.gov/mobile_devices.htm).

Test results from other tools and the CFTT tool methodology can be found on NIJ's CFTT 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 its 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, based on 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:	Mobile Phone Examiner Plus
Version:	4.6.0.2
Run Environment:	Microsoft Windows XP v5.1.2600
Supplier:	AccessData
Address:	384 South 400 West Suite 200, Lindon, UT 84042
Tel:	800-574-5199
Fax:	801-765-4370
Web:	http://www.accessdata.com

1 Results Summary

Mobile Phone Examiner Plus is designed for logical and physical acquisitions, data analysis and report management from mobile phones, Smart phones and Subscriber Identity Modules (SIMs).

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 six mobile devices tested.

Device connectivity:

- Connectivity to the mobile device was inconsistent, 1 out of 20 attempts were successful. (HTC Thunderbolt)

Subscriber- and equipment-related information:

- Subscriber-related information was not reported. (iPhone4 GSM, Nokia 6350)
- Equipment-related information was not reported. (iPhone4 GSM, HTC Thunderbolt)

Personal Information Management (PIM) data:

- Graphics files associated with address book entries were not reported. (BlackBerry Torch)
- Calendar entries were not acquired. (BlackBerry Torch)
- One out of seven address book entries were reported. (Nokia 6350)
- Address book entries with fields for a first, middle and last name were reported incorrectly. The middle- and last-name fields were not reported. (Motorola Tundra)

Call logs:

- Acquisition of call log data ended in errors. (BlackBerry Torch)

Abbreviated Dialing Numbers (ADN):

- Acquisition of ADN containing the special character '@' were not acquired. (SIM)

Non-ASCII characters:

- Text messages containing the non-ASCII character 'é' were reported as '|'. (BlackBerry Torch)
- Address book entries containing non-ASCII characters were reported as '?'. (Motorola Tundra)
- Acquisition of ADN containing the non-ASCII character 'é' ended in errors. (SIM)

Acquisition of internal memory data elements:

- Acquisition of the File System ended in errors. (Motorola Tundra)

Device acquisition disruption:

- When connectivity was interrupted, the tool failed to notify the user that the acquisition had been disrupted. (Motorola Tundra)

Refer to sections 3.1–3.9 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-1e) list the test cases available in Mobile Phone Examiner Plus. Tables (2a-2e) list the test cases not available in Mobile Phone Examiner Plus.

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-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

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 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 reopen the case.	SPT-29
After a successful SIM acquisition, alter the case file via third-party means and attempt to reopen 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

Supported Optional Feature	Cases Selected for Execution
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
Acquire mobile device internal memory and review application-related data (i.e., word documents, spreadsheet, presentation documents).	SPT-11
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-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

Supported Optional Feature	Cases Selected for Execution
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 reopen the case.	SPT-29
After a successful SIM acquisition, alter the case file via third-party means and attempt to reopen 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-protectedPIN-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 2b: Omitted Test Cases (BlackBerry Torch)

Unsupported Optional Feature	Cases omitted - not executed
Acquire mobile device internal memory and review reported MMS multimedia-related data (i.e., text, audio, graphics, video).	SPT-09
Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).	SPT-10
Acquire mobile device internal memory and review application-related data (i.e., word documents, spreadsheet, presentation documents).	SPT-11
Acquire mobile device internal memory and review Internet-related data (i.e., bookmarks, visited sites).	SPT-12
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	SPT-40

Unsupported Optional Feature	Cases omitted - not executed
Acquire mobile device internal memory and review reported MMS multimedia-related data (i.e., text, audio, graphics, video).	SPT-09
Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).	SPT-10
Acquire mobile device internal memory and review application-related data (i.e., word documents, spreadsheet, presentation documents).	SPT-11
Acquire mobile device internal memory and review Internet-related data (i.e., bookmarks, visited sites).	SPT-12
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
GPS longitude and latitude coordinates.	

Table 1c: 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-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

Supported Optional Feature	Cases Selected for Execution
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 reopen the case.	SPT-29
After a successful SIM acquisition, alter the case file via third-party means and attempt to reopen 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 2c: Omitted Test Cases (Nokia 6350)

Unsupported Optional Feature	Cases omitted - not executed
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
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 1d: Selected Test Cases (Motorola Tundra)

Supported Optional Feature	Cases Selected for

	Execution
Base Cases	SPT-01, SPT-02, SPT-03, SPT-04, SPT-05, SPT-06, 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 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 reopen the case.	SPT-29
After a successful SIM acquisition, alter the case file via third-party means and attempt to reopen 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 (Motorola Tundra)

Unsupported Optional Feature	**Cases omitted - not executed**
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 multimedia-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
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 (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-10, SPT-11, SPT-13
Acquire mobile device internal memory and review reported data via supported generated report formats.	SPT-24
Acquire mobile device internal memory and review reported data via the preview pane.	SPT-25
After a successful mobile device internal memory, alter the case file via third-party means and attempt to reopen the case.	SPT-29
Acquire mobile device internal memory and review data containing non-ASCII characters.	SPT-33

Acquire mobile device internal memory and review hash values for vendor supported data objects.	SPT-38

Table 2e: Omitted Test Cases (HTC Thunderbolt)

Unsupported Optional Feature	**Cases omitted - not executed**
Acquire mobile device internal memory and review reported MMS multimedia-related data (i.e., text, audio, graphics, video).	SPT-09
Acquire mobile device internal memory and review Internet-related data (i.e., bookmarks, visited sites).	SPT-12
Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	SPT-14
Attempt acquisition of a 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 reopen the case.	SPT-30
Perform a physical acquisition and review data output for readability.	SPT-31
Perform a physical acquisition and review reports for recoverable deleted data.	SPT-32
Acquire SIM memory and review data containing non-ASCII characters.	SPT-34
Begin acquisition on a PIN-protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.	SPT-35
Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.	SPT-36

Perform a stand-alone mobile device internal memory acquisition and review the status flags for text messages present on the SIM.	SPT-37
Acquire SIM memory and review hash values for vendor supported data objects.	SPT-39
Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.	SPT-40

3 Results by Test Assertion

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 – 3e 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	3.2
SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error, then equipment-related information shall be presented in a useable format.	1	3.2
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	1	

Assertions Tested	Tests	Anomaly
be presented in a useable format.		
SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing special characters shall be presented in a useable format.	1	
SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing blank names shall be presented in a useable format.	1	
SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format.	1	
SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format.	1	
SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format.	1	
SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.	1	
SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error, then call logs (incoming/outgoing/missed) shall be presented in a useable format.	1	
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	1	

Assertions Tested	Tests	Anomaly
presented in a useable format.		
SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-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	
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	1	

Assertions Tested	Tests	Anomaly
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.	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 ADN shall be presented in a useable format.	1	
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing special characters shall be presented in a useable format.	1	3.5
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error, then ADN 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	1	

Assertions Tested	Tests	Anomaly
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.	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	1	

Assertions Tested	Tests	Anomaly
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.	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 ADN in their native format.	2	3.7
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 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	2	

Assertions Tested	Tests	Anomaly
generated report.		
SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error, then subscriber-related information shall be presented in a useable format.	1	
SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error, then equipment-related information shall be presented in a useable format.	1	
SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error, then address book entries shall be presented in a useable format.	1	
SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error, then maximum length address book entries shall be presented in a useable format.	1	
SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing special characters shall be presented in a useable format.	1	
SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing blank names shall be presented in a useable format.	1	
SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format.	1	
SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format.	1	3.3
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	3.3
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	3.3
SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error, then call logs (incoming/outgoing/missed) shall be presented in a useable format.	1	3.4
SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.	1	3.4
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)	1	

Assertions Tested	Tests	Anomaly
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.	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	
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 ADN shall be presented in a useable format.	1	
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing special characters shall be presented in a useable format.	1	3.5

Assertions Tested	Tests	Anomaly
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error, then ADN 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 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	

Assertions Tested	Tests	Anomaly
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-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 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 ADN in their native format.	2	3.7
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	3.6
SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects, then the tool shall present the user with a hash value for each supported data object.	2	

Table 3c: Assertions Tested: (Nokia 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	1	3.2

Assertions Tested	Tests	Anomaly
presented in a useable format.		
SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error, then equipment-related information shall be presented in a useable format.	1	
SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error, then address book entries shall be presented in a useable format.	1	
SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error, then maximum length address book entries shall be presented in a useable format.	1	3.3
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	3.3
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	3.3
SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format.	1	
SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format.	1	
SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format.	1	
SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.	1	
SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error, then call logs (incoming/outgoing/missed) shall be presented in a useable format.	1	
SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.	1	
SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error, then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format.	1	
SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps for text messages shall be presented in a useable format.	1	
SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.	1	
SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding sender/recipient phone	1	

Assertions Tested	Tests	Anomaly
numbers for text messages shall be presented in a useable format.		
SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated audio shall be presented in a useable format.	1	
SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated graphic files shall be presented in a useable format.	1	
SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated video shall be presented in a useable format.	1	
SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-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	
SPT-AO-04 If a cellular forensic tool completes acquisition of the target	1	

Assertions Tested	Tests	Anomaly
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.	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 ADN shall be presented in a useable format.	1	
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error, then ADN containing special characters shall be presented in a useable format.	1	3.5
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error, then ADN 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	

Assertions Tested	Tests	Anomaly
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-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 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 ADN in their native format.	1	3.7
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	

Table 3d: 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	
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	3.9
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	3.3
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	3.3
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	3.3
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-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	3.8
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	3.8
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	3.8
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	
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	3.5
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 shall acquire each exclusive data object without error.	1	
SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM	2	

without error, then the tool shall present the acquired data in a useable format via supported generated report formats.		
SPT-AO-26 If a cellular forensic tool completes acquisition of the 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	3.6, 3.7
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: (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	3.1
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	3.2
SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error, then equipment-related information shall be presented in a useable format.	1	3.2
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-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-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	

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

Table 4a: Assertions Not Tested (iPhone4 GSM)

Assertions Not Tested
SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error, then device specific application-related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.
SPT-AO-42 If the cellular forensic tool supports stand-alone acquisition of internal memory with the SIM present,, then the contents of the SIM shall not be modified during internal memory acquisition.

Table 4b: Assertions Not Tested (BlackBerry Torch)

Assertions Not Tested
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.
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.

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

Table 4c: Assertions Not Tested (Nokia 6350)

Assertions Not Tested
SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error, then device specific application-related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.
SPT-CA-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.

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

Table 4d: Assertions Not Tested (Motorola Tundra)

Assertions Not Tested
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-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-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 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-41 If the cellular forensic tool supports proper display of non-ASCII characters, then the application should present text messages in their native format.
SPT-AO-42 If the cellular forensic tool supports stand-alone acquisition of internal memory with the SIM present,, then the contents of the SIM shall not be modified during internal memory acquisition.
SPT-AO-44 If the cellular forensic tool supports acquisition of GPS data, then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format.

Table 4e: Assertions Not Tested (HTC Thunderbolt)

Assertions Not Tested
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-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-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 ADN shall be presented in a useable format.
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error, then ADN 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 ADN containing blank names shall be presented in a useable format.
SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error, then Last Numbers Dialed (LND) shall be presented in a useable format.
SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for LNDs shall be presented in a useable format.
SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII SMS text messages shall be presented in a useable format.
SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII EMS text messages shall be presented in a useable format.
SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without

error, then the corresponding date/time stamps for all text messages shall be presented in a useable format.
SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.
SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error, then deleted text messages that have not been overwritten shall be presented in a useable format.
SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., LOCI) shall be presented in a useable format.
SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., GRPSLOCI) shall be presented in a useable format.
SPT-AO-22 If a cellular forensic tool provides the user with an “Acquire All” SIM data objects acquisition option, then the tool shall complete the acquisition of all data objects without error.
SPT-AO-23 If a cellular forensic tool provides the user with a “Select All” individual SIM data objects, then the tool shall complete the acquisition of all individually selected data objects without error.
SPT-AO-24 If a cellular forensic tool provides the user with the ability to “Select Individual” SIM data objects for acquisition, then the tool shall acquire each exclusive data object without error.
SPT-AO-28 If the SIM is password-protected, then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.
SPT-AO-29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts, then the application should provide an accurate count of the remaining PIN attempts.
SPT-AO-30 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts, then the application should provide an accurate count of the remaining PUK attempts.
SPT-AO-31 If the cellular forensic tool supports a physical acquisition of the target device, then the tool shall complete the acquisition without error.
SPT-AO-32 If the cellular forensic tool supports the interpretation of address book entries present on the target device, then the tool shall report recoverable active and deleted data or address book data remnants in a useable format.
SPT-AO-33 If the cellular forensic tool supports the interpretation of calendar, tasks, or notes present on the target device, then the tool shall report recoverable active and deleted calendar, tasks, or note data remnants in a useable format.
SPT-AO-34 If the cellular forensic tool supports the interpretation of call logs present on the target device, then the tool shall report recoverable active and deleted call or call log data remnants in a useable format.
SPT-AO-35 If the cellular forensic tool supports the interpretation of SMS messages present on the target device, then the tool shall report recoverable active and deleted SMS messages or SMS message data remnants in a useable format.

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

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

3.1 Device connectivity

Established connectity to the HTC Thunderbolt was inconsistent. Out of twenty acquisition attempts, connectivity to the device was successful one time. For unsuccessful connectivity the following error was reported: “No flash card in device.” The HTC Thunderbolt’s flash card was present during all acquisition attempts.

3.2 Acquisition of subscriber- and equipment-related information

Subscriber-related information, i.e., Mobile Station International Subscriber Directory Number (MSISDN) for the iPhone4 GSM and Nokia 6350 was not reported for test case SPT-05. Equipment-related information, i.e., International Mobile Equipment Identity (IMEI) for the iPhone4 GSM and the Mobile Equipment Identity (MEID) for the HTC Thunderbolt was not reported.

An Integrated Circuit Card ID (ICCID) was reported for the HTC Thunderbolt, even though the HTC Thunderbolt operates over the CDMA network.

3.3 Acquisition of Personal Information Management (PIM) data

For test case SPT-06, graphics files associated with address book entries were not reported for the BlackBerry Torch.

Personal Information Management (PIM) data was not reported for the BlackBerry Torch. The tool reported the following message after completing the acquisition: “Unretreived

Data – These data views (Calendar) will not be available, because either the device did not contain the data or did not allow extraction."
Out of seven active address book entries present on the Nokia 6350, only one entry was reported.

3.4 Acquisition of call log data

For test case SPT-07, incoming, outgoing and missed calls were not reported for the BlackBerry Torch. The following error was reported: "Unretreived Data – These data views (Call Logs) will not be available, because either the device did not contain the data or did not allow extraction."

3.5 Acquisition of SIM Abbreviated Dialing Numbers (ADN)

Abbreviated Dialing Numbers (ADN) containing '@' on the internal memory of all SIM cards were not reported for test case SPT-18.

3.6 Acquisition of Internal Memory PIM data containing non-ASCII characters

For test case SPT-33, non-ASCII text messages acquired from the BlackBerry Torch were reported incorrectly. Composite characters (e.g., 'é') were reported as '|'. Other non-ASCII characters (e.g., 測試報告) were reported correctly. Address book entries containing non-ASCII characters acquired from the Motorola Tundra were reported as '?'.

3.7 Acquisition of SIM PIM data containing non-ASCII characters

Abbreviated Dialing Numbers (ADN) containing non-ASCII characters, i.e., 'é' on the internal memory of all SIM cards are not reported for test case SPT-34. The following error message occurred: "An error occurred while decoding text. An invalid character was found in text."

3.8 Acquisition of internal memory data elements

For test case SPT-13, the following error was reported when including "File System" as one of the data elements for data extraction from the internal memory of the Motorola Tundra: "Error while extracting data: An unknown error: 302. The data that was successfully extracted (if any) will be available for viewing."

3.9 Notification of device acquisition disruption

Notification of device acquisition disruption was not succesful in Test case SPT-03 for the Motorola Tundra. The acquisition was disrupted by removing the cable from the mobile device. Instead of informing the examiner that connectivity with the mobile device had been disrupted, the tool appeared to continue acquiring the contents of the mobile device.

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
Nokia	6350	V13.17 09-12-10 RM-455	AT&T
Motorola	Tundra	R63715_U_71.01.82R	AT&T
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

Data Objects	Data Elements
	Blank Name
	Regular Length, email
	Regular Length, graphic
	Deleted Entry
	Non-ASCII Entry
PIM Data	
	Regular Length
	Maximum Length
	Deleted Entry
	Special Character
Call Logs	
	Incoming
	Outgoing
	Missed
	Incoming - Deleted
	Outgoing - Deleted
	Missed - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Outgoing SMS
	Incoming EMS - Read
	Incoming EMS - Unread
	Outgoing EMS
	Incoming SMS - Deleted
	Outgoing SMS - Deleted
	Incoming EMS - Deleted
	Outgoing EMS - Deleted
	Non-ASCII EMS
MMS Messages	
	Incoming Audio
	Incoming Graphic
	Incoming Video
	Outgoing Audio
	Outgoing Graphic
	Outgoing Video
Stand-alone data files	
	Audio
	Graphic
	Video
	Audio - Deleted
	Graphic - Deleted
	Video - Deleted
Application Data	

Data Objects	Data Elements
	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 device 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*

Heading	Description
	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)

<table>
<tr><td colspan="2">Test Case SPT-01 Mobile Phone Examiner Plus (MPE+) 4.4.0</td></tr>
<tr><td>Case Summary:</td><td>SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).</td></tr>
<tr><td>Assertions:</td><td>SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device, then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).
SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.
SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error.
SPT-CA-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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>p630542</td></tr>
<tr><td>Test Date:</td><td>Fri Feb 10 08:25:27 EST 2012</td></tr>
<tr><td>Device:</td><td>iPhone4_GSM</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 MPE+
Acquisition started: Fri Feb 10 08:25:27 EST 2012
Acquisition finished: Fri Feb 10 08:27:10 EST 2012

Device connectivity was established via supported interface</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr>
</table>
</td></tr>
</table>

Test Case SPT-01 Mobile Phone Examiner Plus (MPE+) 4.4.0		
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
	SPT-CA-29 Acquire-All data objects acquisition.	as expected
	SPT-CA-30 Select-All data objects acquisition.	as expected
	SPT-CA-31 Select-Individual data objects acquisition.	as expected
	SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.	as expected
Analysis:	Expected results achieved	

5.2.2 SPT-02 (iPhone4 GSM)

Test Case SPT-02 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Fri Feb 10 08:33:50 EST 2012
Device:	unsupported_device
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Fri Feb 10 08:33:50 EST 2012 Acquisition finished: Fri Feb 10 08:48:03 EST 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

5.2.3 SPT-03 (iPhone4 GSM)

Test Case SPT-03 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted, then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Fri Feb 10 08:48:25 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Fri Feb 10 08:48:25 EST 2012 Acquisition finished: Fri Feb 10 09:11:51 EST 2012 Device acquisition disruption notification was successful
Results:	**Assertion & Expected Result** / **Actual Result**

Test Case SPT-03 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
	SPT-CA-03 Notification of device acquisition disruption. | as expected
Analysis:	Expected results achieved

5.2.4 SPT-04 (iPhone4 GSM)

Test Case SPT-04 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Fri Feb 10 09:12:22 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Fri Feb 10 09:12:22 EST 2012 Acquisition finished: Fri Feb 10 09:19:49 EST 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

5.2.5 SPT-05 (iPhone4 GSM)

Test Case SPT-05 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Fri Feb 10 09:20:14 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Fri Feb 10 09:20:14 EST 2012 Acquisition finished: Fri Feb 10 09:32:15 EST 2012 MSISDN and IMEI were not acquired
Results:	

Test Case SPT-05 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
	Assertion & Expected Result / **Actual Result** SPT-CA-05 Acquisition of MSISDN, IMSI. / Not as expected SPT-CA-06 Acquisition of IMEI/MEID/ESN. / Not as expected
Analysis:	Expected results not achieved

5.2.6 SPT-06 (iPhone4 GSM)

Test Case SPT-06 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Fri Feb 10 09:33:29 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Fri Feb 10 09:33:29 EST 2012 Acquisition finished: Fri Feb 10 13:49:14 EST 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

Test Case SPT-06 Mobile Phone Examiner Plus (MPE+) 4.6.0.2		
	SPT-CA-14 Acquisition of maximum length PIM data.	as expected
Analysis:	Expected results achieved	

5.2.7 SPT-07 (iPhone4 GSM)

Test Case SPT-07 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Fri Feb 10 13:51:06 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Fri Feb 10 13:51:06 EST 2012 Acquisition finished: Fri Feb 10 13:52:28 EST 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

5.2.8 SPT-08 (iPhone4 GSM)

Test Case SPT-08 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-08 Acquire mobile device internal memory and review reported text messages.
Assertions:	SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error, then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format. SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps for text messages shall be presented in a useable format. SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding sender/recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Fri Feb 10 13:52:50 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log	Created by MPE+

Test Case SPT-08 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Highlights:	Acquisition started: Fri Feb 10 13:52:50 EST 2012 Acquisition finished: Fri Feb 10 13:55:11 EST 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

5.2.9 SPT-09 (iPhone4 GSM)

Test Case SPT-09 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-09 Acquire mobile device internal memory and review reported MMS multimedia-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:	p630542
Test Date:	Fri Feb 10 13:55:47 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Fri Feb 10 13:55:47 EST 2012 Acquisition finished: Fri Feb 10 14:11:24 EST 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

5.2.10 SPT-10 (iPhone4 GSM)

Test Case SPT-10 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-10 Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).

Test Case SPT-10 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Mon Feb 13 08:36:43 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Mon Feb 13 08:36:43 EST 2012 Acquisition finished: Mon Feb 13 08:37:47 EST 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-12 (iPhone4 GSM)

Test Case SPT-12 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-12 Acquire mobile device internal memory and review Internet-related data (i.e., bookmarks, visited sites.
Assertions:	SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error, then Internet-related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Fri Feb 10 14:11:55 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Fri Feb 10 14:11:55 EST 2012 Acquisition finished: Fri Feb 10 14:13:57 EST 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

5.2.12 SPT-13 (iPhone4 GSM)

Test Case SPT-13 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-13 Acquire mobile device internal memory by selecting a combination of supported data elements.
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error. 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:	p630542
Test Date:	Fri Feb 10 14:14:20 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Fri Feb 10 14:14:20 EST 2012 Acquisition finished: Fri Feb 10 14:16:33 EST 2012 Acquire All acquisition was successful Select All acquisition was successful Individual data element 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

5.2.13 SPT-14 (iPhone4 GSM)

Test Case SPT-14 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Mon Feb 13 10:08:45 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Mon Feb 13 10:08:45 EST 2012 Acquisition finished: Mon Feb 13 10:09:21 EST 2012 Media connectivity was established via supported interface
Results:	

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

Test Case SPT-14 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Analysis:	Expected results achieved

5.2.14 SPT-15 (iPhone4 GSM)

Test Case SPT-15 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Mon Feb 13 10:10:46 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Mon Feb 13 10:10:46 EST 2012 Acquisition finished: Mon Feb 13 10:19:30 EST 2012 Identification of nonsupported media was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-02 Identification of nonsupported SIM. / as expected
Analysis:	Expected results achieved

5.2.15 SPT-16 (iPhone4 GSM)

Test Case SPT-16 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-16 Begin SIM acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader, then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Mon Feb 13 10:21:59 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Mon Feb 13 10:21:59 EST 2012 Acquisition finished: Mon Feb 13 10:25:24 EST 2012 Media acquisition disruption notification was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-03 Notification of SIM acquisition disruption. / as expected
Analysis:	Expected results achieved

5.2.16 SPT-17 (iPhone4 GSM)

Test Case SPT-17 Mobile Phone Examiner Plus (MPE+) 4.6.0.2

Test Case SPT-17 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Mon Feb 13 10:25:50 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Mon Feb 13 10:25:50 EST 2012 Acquisition finished: Mon Feb 13 10:28:57 EST 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

5.2.17 SPT-18 (iPhone4 GSM)

Test Case SPT-18 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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 ADN shall be presented in a useable format. SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error, then ADN 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 ADN containing blank names shall be presented in a useable format.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Mon Feb 13 10:29:30 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Mon Feb 13 10:29:30 EST 2012 Acquisition finished: Mon Feb 13 10:38:21 EST 2012 Regular length ADN were acquired Maximum Length ADN were acquired Special Character ADN were not acquired Blank Name ADN were acquired

Test Case SPT-18 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
	Notes: An entry consisting of '@' for the name was not reported.
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-08 Acquisition of ADN.	as expected
SPT-AO-09 Acquisition of maximum length ADN.	as expected
SPT-AO-10 Acquisition of special character ADN.	Not as expected
SPT-AO-11 Acquisition of blank name ADN.	as expected

Analysis:	Partial results achieved

5.2.18 SPT-19 (iPhone4 GSM)

Test Case SPT-19 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Mon Feb 13 10:47:25 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Mon Feb 13 10:47:25 EST 2012 Acquisition finished: Mon Feb 13 10:48:40 EST 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

5.2.19 SPT-20 (iPhone4 GSM)

Test Case SPT-20 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-20 Acquire SIM memory and review reported text messages (SMS, EMS).
Assertions:	SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII SMS text messages shall be presented in a useable format. SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII EMS text messages shall be presented in a useable format. SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for all text messages shall be presented in a useable format. SPT-AO-17 If a cellular forensic tool completes acquisition of the target

Test Case SPT-20 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
	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:	p630542
Test Date:	Mon Feb 13 10:51:32 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Mon Feb 13 10:51:32 EST 2012 Acquisition finished: Mon Feb 13 10:57:13 EST 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

5.2.20 SPT-21 (iPhone4 GSM)

Test Case SPT-21 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Mon Feb 13 11:01:56 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Mon Feb 13 11:01:56 EST 2012 Acquisition finished: Mon Feb 13 11:03:59 EST 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

5.2.21 SPT-22 (iPhone4 GSM)

Test Case SPT-22 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Mon Feb 13 11:04:25 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Mon Feb 13 11:04:25 EST 2012 Acquisition finished: Mon Feb 13 11:06:48 EST 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

5.2.22 SPT-23 (iPhone4 GSM)

Test Case SPT-23 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Mon Feb 13 11:07:13 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Mon Feb 13 11:07:13 EST 2012 Acquisition finished: Mon Feb 13 11:09:44 EST 2012

Test Case SPT-23 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
	Individual data element acquisition was successful
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><tr><td>SPT-AO-22 Acquire-All data objects acquisition.</td><td>as expected</td></tr><tr><td>SPT-AO-23 Select-All data objects acquisition.</td><td>as expected</td></tr><tr><td>SPT-AO-24 Select-Individual data objects acquisition.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.23 SPT-24 (iPhone4 GSM)

Test Case SPT-24 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Mon Feb 13 11:13:35 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Mon Feb 13 11:13:35 EST 2012 Acquisition finished: Mon Feb 13 11:20:35 EST 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

5.2.24 SPT-25 (iPhone4 GSM)

Test Case SPT-25 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Mon Feb 13 11:21:06 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Mon Feb 13 11:21:06 EST 2012 Acquisition finished: Mon Feb 13 11:22:56 EST 2012

Test Case SPT-25 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
	Complete representation of known data via preview pane was successful
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-AO-26 Comparison of known device data elements via preview pane.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.25 SPT-26 (iPhone4 GSM)

Test Case SPT-26 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Mon Feb 13 11:23:23 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Mon Feb 13 11:23:23 EST 2012 Acquisition finished: Mon Feb 13 11:25:38 EST 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

5.2.26 SPT-27 (iPhone4 GSM)

Test Case SPT-27 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Mon Feb 13 11:23:45 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Mon Feb 13 11:23:45 EST 2012 Acquisition finished: Mon Feb 13 11:25:49 EST 2012 Complete representation of known data via preview pane was successful

Test Case SPT-27 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-26 Comparison of known device data elements via preview pane. / as expected
Analysis:	Expected results achieved

5.2.27 SPT-28 (iPhone4 GSM)

Test Case SPT-28 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Mon Feb 13 12:31:27 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Mon Feb 13 12:31:27 EST 2012 Acquisition finished: Mon Feb 13 12:32:15 EST 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

5.2.28 SPT-29 (iPhone4 GSM)

Test Case SPT-29 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-29 After a successful mobile device internal memory, alter the case file via third-party means and attempt to reopen 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:	p630542
Test Date:	Mon Feb 13 12:36:31 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Mon Feb 13 12:36:31 EST 2012 Acquisition finished: Mon Feb 13 12:37:34 EST 2012 Notification of modified device memory data was successful
Results:	**Assertion & Expected Result** / **Actual Result**

Test Case SPT-29 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
	SPT-AO-27 Notification of modified device case data. | as expected
Analysis:	Expected results achieved

5.2.29 SPT-30 (iPhone4 GSM)

Test Case SPT-30 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-30 After a successful SIM acquisition, alter the case file via third-party means and attempt to reopen 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:	p630542
Test Date:	Mon Feb 13 12:38:00 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Mon Feb 13 12:38:00 EST 2012 Acquisition finished: Mon Feb 13 12:39:45 EST 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

5.2.30 SPT-31 (iPhone4 GSM)

Test Case SPT-31 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-31 Perform a physical acquisition and review data output for readability.
Assertions:	SPT-AO-31 If the cellular forensic tool supports a physical acquisition of the target device, then the tool shall complete the acquisition without error.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Mon Feb 13 12:40:31 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Mon Feb 13 12:40:31 EST 2012 Acquisition finished: Mon Feb 13 12:42:05 EST 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

5.2.31 SPT-32 (iPhone4 GSM)

<table>
<tr><th colspan="2">Test Case SPT-32 Mobile Phone Examiner Plus (MPE+) 4.6.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-32 Perform a physical acquisition and review reports for recoverable deleted data.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>p630542</td></tr>
<tr><td>Test Date:</td><td>Mon Feb 13 14:22:03 EST 2012</td></tr>
<tr><td>Device:</td><td>iPhone4_GSM</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 MPE+
Acquisition started: Mon Feb 13 14:22:03 EST 2012
Acquisition finished: Mon Feb 13 14:23:18 EST 2012

Deleted address book entries were recovered
Deleted PIM data was recovered
Deleted Call log data was recovered
Deleted text message data was recovered
Deleted audio data was not recovered
Deleted graphic data was not recovered
Deleted video data was 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>as expected</td></tr>
<tr><td>SPT-AO-33 Physical acquisition, recovery of deleted PIM data.</td><td>as expected</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</td><td>as expected</td></tr>
</table>
</td></tr>
</table>

Test Case SPT-32 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
	messages.
	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

5.2.32 SPT-33 (iPhone4 GSM)

Test Case SPT-33 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Mon Feb 13 12:45:45 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Mon Feb 13 12:45:45 EST 2012 Acquisition finished: Mon Feb 13 12:46:52 EST 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/ADN. — as expected SPT-AO-41 Acquisition of non-ASCII text messages. — as expected
Analysis:	Expected results achieved

5.2.33 SPT-34 (iPhone4 GSM)

Test Case SPT-34 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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 ADN 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:	p630542
Test Date:	Mon Feb 13 12:47:34 EST 2012
Device:	iPhone4_GSM

Test Case SPT-34 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Mon Feb 13 12:47:34 EST 2012 Acquisition finished: Mon Feb 13 12:48:33 EST 2012 Non-ASCII ADN were partially acquired Non-ASCII text messages were acquired and properly displayed **Notes**: The contact entry: Aurélien was not reported. The following error message occurred: An error occurred while decoding text. An invalid character was found in text.
Results:	

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

Analysis:	Partial results achieved

5.2.34 SPT-35 (iPhone4 GSM)

Test Case SPT-35 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Mon Feb 13 12:52:39 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Mon Feb 13 12:52:39 EST 2012 Acquisition finished: Mon Feb 13 12:54:12 EST 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

5.2.35 SPT-36 (iPhone4 GSM)

Test Case SPT-36 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Tester Name:	rpa
Test Host:	p630542
Test Date:	Mon Feb 13 12:52:59 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Mon Feb 13 12:52:59 EST 2012 Acquisition finished: Mon Feb 13 12:54:23 EST 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

5.2.36 SPT-38 (iPhone4 GSM)

Test Case SPT-38 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Mon Feb 13 13:00:53 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Mon Feb 13 13:00:53 EST 2012 Acquisition finished: Mon Feb 13 13:03:45 EST 2012 Hash values were properly reported for individually acquired device data elements **Notes**: A hash is generated for the overall case.
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-43 Acquire data, check known hash values for consistency. / as expected
Analysis:	Expected results achieved

5.2.37 SPT-39 (iPhone4 GSM)

Test Case SPT-39 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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 Case SPT-39 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Test Host:	p630542
Test Date:	Mon Feb 13 13:01:13 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Mon Feb 13 13:01:13 EST 2012 Acquisition finished: Mon Feb 13 13:05:13 EST 2012 Hash values were properly reported for individually acquired SIM data elements **Notes**: A hash is generated for the overall case.
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-40 (iPhone4 GSM)

Test Case SPT-40 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Mon Feb 13 13:06:19 EST 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Mon Feb 13 13:06:19 EST 2012 Acquisition finished: Mon Feb 13 13:10:39 EST 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

5.2.39 SPT-01 (BlackBerry Torch)

Test Case SPT-01 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device, then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or

<table>
<tr><th colspan="2">Test Case SPT-01 Mobile Phone Examiner Plus (MPE+) 4.6.0.2</th></tr>
<tr><td></td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>p630542</td></tr>
<tr><td>Test Date:</td><td>Wed Feb 15 07:17:47 EST 2012</td></tr>
<tr><td>Device:</td><td>BlackBerry_Torch</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 MPE+
Acquisition started: Wed Feb 15 07:17:47 EST 2012
Acquisition finished: Wed Feb 15 07:23:27 EST 2012

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

5.2.40 SPT-02 (BlackBerry Torch)

<table>
<tr><th colspan="2">Test Case SPT-02 Mobile Phone Examiner Plus (MPE+) 4.6.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-02 Attempt internal memory acquisition of a nonsupported mobile device.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>p630542</td></tr>
<tr><td>Test Date:</td><td>Wed Feb 15 07:23:58 EST 2012</td></tr>
<tr><td>Device:</td><td>unsupported_device</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 MPE+
Acquisition started: Wed Feb 15 07:23:58 EST 2012
Acquisition finished: Wed Feb 15 07:25:02 EST 2012

Identification of nonsupported devices was successful</td></tr>
<tr><td>Results:</td><td></td></tr>
</table>

Test Case SPT-02 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
	Assertion & Expected Result / **Actual Result** SPT-CA-02 Identification of nonsupported devices. / as expected
Analysis:	Expected results achieved

5.2.41 SPT-03 (BlackBerry Torch)

Test Case SPT-03 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted, then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Wed Feb 15 07:25:25 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 07:25:25 EST 2012 Acquisition finished: Wed Feb 15 07:28:37 EST 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

5.2.42 SPT-04 (BlackBerry Torch)

Test Case SPT-04 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Wed Feb 15 07:29:18 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 07:29:18 EST 2012 Acquisition finished: Wed Feb 15 07:33:07 EST 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 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Analysis:	Expected results achieved

5.2.43 SPT-05 (BlackBerry Torch)

Test Case SPT-05 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Wed Feb 15 07:33:51 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 07:33:51 EST 2012 Acquisition finished: Wed Feb 15 07:37:31 EST 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

5.2.44 SPT-06 (BlackBerry Torch)

Test Case SPT-06 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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

Test Case SPT-06 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
	shall be presented in a useable format.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Wed Feb 15 07:38:26 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 07:38:26 EST 2012 Acquisition finished: Wed Feb 15 07:46:48 EST 2012 Regular Length Address Book entries were acquired Maximum Length Address Book entries were acquired Special Character Address Book entries were acquired Blank Name Address Book entries were acquired Email addresses within Address Book entries were acquired Embedded graphics within Address Book entries were not acquired Basic PIM-related data was not acquired Maximum length PIM-related data was not acquired **Notes**: The following data elements were selected for acquisition: Phonebook, Call History, Calendar, SMS, File System, Emails. MPE+ reported the following message after acquisition: Unretrieved Data - These data views (Calendar) will not be avilable, because either the device did not contain the data or did not allow extraction.
Results:	

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

Analysis:	Partial results achieved

5.2.45 SPT-07 (BlackBerry Torch)

Test Case SPT-07 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542

Test Case SPT-07 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Test Date:	Wed Feb 15 08:02:24 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 08:02:24 EST 2012 Acquisition finished: Wed Feb 15 08:03:45 EST 2012 Incoming Calls were not acquired Outgoing Calls were not acquired Missed Calls were not acquired Date/Time Stamps incorrectly reported for Incoming Calls Date/Time Stamps incorrectly reported for Outgoing Calls Date/Time Stamps incorrectly reported for Missed Calls **Notes**: The following data elements were selected for acquisition: Phonebook, Call History, Calendar, SMS, File System, Emails. MPE+ reported the following message after acquisition: Unretrieved Data - These data views (Call Logs) will not be available, because either the device did not contain the data or did not allow extraction.
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-15 Acquisition of call logs. — Not as expected SPT-CA-16 Acquisition of call log date/time stamps. — Not as expected
Analysis:	Expected results not achieved

5.2.46 SPT-08 (BlackBerry Torch)

Test Case SPT-08 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-08 Acquire mobile device internal memory and review reported text messages.
Assertions:	SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error, then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format. SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps for text messages shall be presented in a useable format. SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Wed Feb 15 08:09:54 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 08:09:54 EST 2012 Acquisition finished: Wed Feb 15 08:14:22 EST 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

Test Case SPT-08 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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

5.2.47 SPT-13 (BlackBerry Torch)

Test Case SPT-13 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-13 Acquire mobile device internal memory by selecting a combination of supported data elements.
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error. 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:	p630542
Test Date:	Wed Feb 15 08:16:53 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 08:16:53 EST 2012 Acquisition finished: Wed Feb 15 08:18:32 EST 2012 Individual data element 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

5.2.48 SPT-14 (BlackBerry Torch)

Test Case SPT-14 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Wed Feb 15 08:47:02 EST 2012

Test Case SPT-14 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 08:47:02 EST 2012 Acquisition finished: Wed Feb 15 08:55:06 EST 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

5.2.49 SPT-15 (BlackBerry Torch)

Test Case SPT-15 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Wed Feb 15 09:08:28 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 09:08:28 EST 2012 Acquisition finished: Wed Feb 15 09:11:08 EST 2012 Identification of nonsupported media was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-02 Identification of nonsupported SIM. / as expected
Analysis:	Expected results achieved

5.2.50 SPT-16 (BlackBerry Torch)

Test Case SPT-16 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-16 Begin SIM acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader, then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Wed Feb 15 09:11:45 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 09:11:45 EST 2012 Acquisition finished: Wed Feb 15 09:13:53 EST 2012

Test Case SPT-16 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
	Media acquisition disruption notification was 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>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.51 SPT-17 (BlackBerry Torch)

Test Case SPT-17 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Wed Feb 15 09:22:09 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 09:22:09 EST 2012 Acquisition finished: Wed Feb 15 09:24:35 EST 2012 All subscriber-related data (i.e., SPN, ICCID, IMSI, MSISDN) was acquired
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-AO-04 Acquisition of SPN.</td><td>as expected</td></tr><tr><td>SPT-AO-05 Acquisition of ICCID.</td><td>as expected</td></tr><tr><td>SPT-AO-06 Acquisition of IMSI.</td><td>as expected</td></tr><tr><td>SPT-AO-07 Acquisition of MSISDN.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.52 SPT-18 (BlackBerry Torch)

Test Case SPT-18 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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 ADN shall be presented in a useable format. SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error, then ADN 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 ADN containing blank names shall be presented in a useable format.

Test Case SPT-18 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Tester Name:	rpa
Test Host:	p630542
Test Date:	Wed Feb 15 09:26:53 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 09:26:53 EST 2012 Acquisition finished: Wed Feb 15 09:29:00 EST 2012 Regular length ADN were acquired Maximum Length ADN were acquired Special Character ADN were not acquired Blank Name ADN were acquired **Notes**: An entry consisting of '@' for the name was not reported.
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-08 Acquisition of ADN.	as expected
SPT-AO-09 Acquisition of maximum length ADN.	as expected
SPT-AO-10 Acquisition of special character ADN.	Not as expected
SPT-AO-11 Acquisition of blank name ADN.	as expected

Analysis:	Partial results achieved

5.2.53 SPT-19 (BlackBerry Torch)

Test Case SPT-19 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Wed Feb 15 09:30:49 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 09:30:49 EST 2012 Acquisition finished: Wed Feb 15 09:32:33 EST 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

5.2.54 SPT-20 (BlackBerry Torch)

<table>
<tr><th colspan="2">Test Case SPT-20 Mobile Phone Examiner Plus (MPE+) 4.6.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-20 Acquire SIM memory and review reported text messages (SMS, EMS).</td></tr>
<tr><td>Assertions:</td><td>SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII SMS text messages shall be presented in a useable format.
SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII EMS text messages shall be presented in a useable format.
SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for all text messages shall be presented in a useable format.
SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.
SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>p630542</td></tr>
<tr><td>Test Date:</td><td>Wed Feb 15 09:35:15 EST 2012</td></tr>
<tr><td>Device:</td><td>BlackBerry_Torch</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP v5.1.2600
Interface: USB</td></tr>
<tr><td>Log Highlights:</td><td>Created by MPE+
Acquisition started: Wed Feb 15 09:35:15 EST 2012
Acquisition finished: Wed Feb 15 09:38:27 EST 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</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-AO-14 Acquisition of SMS messages.</td><td>as expected</td></tr>
<tr><td>SPT-AO-15 Acquisition of EMS messages.</td><td>as expected</td></tr>
<tr><td>SPT-AO-16 Acquisition of text message date/time stamps.</td><td>as expected</td></tr>
<tr><td>SPT-AO-17 Acquisition of text message status flags.</td><td>as expected</td></tr>
<tr><td>SPT-AO-18 Acquisition of sender/recipient phone number associated with text messages.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.55 SPT-21 (BlackBerry Torch)

<table>
<tr><th colspan="2">Test Case SPT-21 Mobile Phone Examiner Plus (MPE+) 4.6.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-21 Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).</td></tr>
<tr><td>Assertions:</td><td>SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error, then deleted text messages that have not been overwritten shall be presented in a useable format.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>p630542</td></tr>
<tr><td>Test Date:</td><td>Wed Feb 15 09:39:09 EST 2012</td></tr>
<tr><td>Device:</td><td>BlackBerry_Torch</td></tr>
<tr><td>Source Setup:</td><td>OS: WIN XP v5.1.2600
Interface: USB</td></tr>
<tr><td>Log</td><td>Created by MPE+</td></tr>
</table>

Test Case SPT-21 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Highlights:	Acquisition started: Wed Feb 15 09:39:09 EST 2012 Acquisition finished: Wed Feb 15 09:42:58 EST 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

5.2.56 SPT-22 (BlackBerry Torch)

Test Case SPT-22 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Wed Feb 15 09:43:25 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 09:43:25 EST 2012 Acquisition finished: Wed Feb 15 09:45:49 EST 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

5.2.57 SPT-23 (BlackBerry Torch)

Test Case SPT-23 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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

Test Case SPT-23 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
	acquire each exclusive data object without error.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Wed Feb 15 09:46:12 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 09:46:12 EST 2012 Acquisition finished: Wed Feb 15 09:47:30 EST 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

5.2.58 SPT-24 (BlackBerry Torch)

Test Case SPT-24 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Wed Feb 15 09:49:17 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 09:49:17 EST 2012 Acquisition finished: Wed Feb 15 09:56:31 EST 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

5.2.59 SPT-25 (BlackBerry Torch)

Test Case SPT-25 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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

Test Case SPT-25 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
	useable format in a preview-pane view.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Wed Feb 15 09:57:11 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 09:57:11 EST 2012 Acquisition finished: Wed Feb 15 09:58:27 EST 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

5.2.60 SPT-26 (BlackBerry Torch)

Test Case SPT-26 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Wed Feb 15 09:59:20 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 09:59:20 EST 2012 Acquisition finished: Wed Feb 15 10:01:59 EST 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

5.2.61 SPT-27 (BlackBerry Torch)

Test Case SPT-27 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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.

Test Case SPT-27 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Tester Name:	rpa
Test Host:	p630542
Test Date:	Wed Feb 15 10:02:28 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 10:02:28 EST 2012 Acquisition finished: Wed Feb 15 10:03:59 EST 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

5.2.62 SPT-28 (BlackBerry Torch)

Test Case SPT-28 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Wed Feb 15 10:04:20 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 10:04:20 EST 2012 Acquisition finished: Wed Feb 15 10:05:52 EST 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

5.2.63 SPT-29 (BlackBerry Torch)

Test Case SPT-29 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-29 After a successful mobile device internal memory, alter the case file via third-party means and attempt to reopen 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:	p630542
Test Date:	Wed Feb 15 10:06:20 EST 2012
Device:	BlackBerry_Torch

Test Case SPT-29 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 10:06:20 EST 2012 Acquisition finished: Wed Feb 15 10:07:33 EST 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

5.2.64 SPT-30 (BlackBerry Torch)

Test Case SPT-30 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-30 After a successful SIM acquisition, alter the case file via third-party means and attempt to reopen 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:	p630542
Test Date:	Wed Feb 15 10:07:57 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 10:07:57 EST 2012 Acquisition finished: Wed Feb 15 10:09:37 EST 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

5.2.65 SPT-33 (BlackBerry Torch)

Test Case SPT-33 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Wed Feb 15 10:10:25 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable

Test Case SPT-33 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 10:10:25 EST 2012 Acquisition finished: Wed Feb 15 10:11:43 EST 2012 Non-ASCII Address book entries were acquired and properly displayed Non-ASCII text messages were acquired but not properly displayed **Notes**: é was reported as |
Results:	

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

Analysis:	Partial results achieved

5.2.66 SPT-34 (BlackBerry Torch)

Test Case SPT-34 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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 ADN 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:	p630542
Test Date:	Wed Feb 15 10:13:56 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 10:13:56 EST 2012 Acquisition finished: Wed Feb 15 10:15:12 EST 2012 Non-ASCII ADN were partially acquired Non-ASCII text messages were acquired and properly displayed **Notes**: The contact entry: Aurélien was not reported. The following error message occurred: An error occurred while decoding text. An invalid character was found in text.
Results:	

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

Analysis:	Partial results achieved

5.2.67 SPT-35 (BlackBerry Torch)

Test Case SPT-35 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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

Test Case SPT-35 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
	remaining number of authentication attempts, then the application should provide an accurate count of the remaining PIN attempts.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Wed Feb 15 10:17:15 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 10:17:15 EST 2012 Acquisition finished: Wed Feb 15 10:19:38 EST 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

5.2.68 SPT-36 (BlackBerry Torch)

Test Case SPT-36 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Wed Feb 15 10:17:37 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 10:17:37 EST 2012 Acquisition finished: Wed Feb 15 10:20:03 EST 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

5.2.69 SPT-38 (BlackBerry Torch)

Test Case SPT-38 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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 Case SPT-38 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Test Host:	p630542
Test Date:	Wed Feb 15 10:20:51 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 10:20:51 EST 2012 Acquisition finished: Wed Feb 15 10:29:10 EST 2012 Hash values were properly reported for individually acquired device data elements **Notes**: A hash is generated for the overall case.
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-43 Acquire data, check known hash values for consistency. / as expected
Analysis:	Expected results achieved

5.2.70 SPT-39 (BlackBerry Torch)

Test Case SPT-39 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Wed Feb 15 10:21:08 EST 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 10:21:08 EST 2012 Acquisition finished: Wed Feb 15 10:29:17 EST 2012 Hash values were properly reported for individually acquired SIM data elements **Notes**: A hash is generated for the overall case.
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-43 Acquire data, check known hash values for consistency. / as expected
Analysis:	Expected results achieved

5.2.71 SPT-01 (Nokia 6350)

Test Case SPT-01 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).

<table>
<tr><th colspan="2">Test Case SPT-01 Mobile Phone Examiner Plus (MPE+) 4.6.0.2</th></tr>
<tr><td>Assertions:</td><td>SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device, then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).
SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.
SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error.
SPT-CA-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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>p630542</td></tr>
<tr><td>Test Date:</td><td>Thu Feb 16 06:51:52 EST 2012</td></tr>
<tr><td>Device:</td><td>Nokia6350</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 MPE+
Acquisition started: Thu Feb 16 06:51:52 EST 2012
Acquisition finished: Thu Feb 16 06:56:46 EST 2012

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

5.2.72 SPT-02 (Nokia 6350)

<table>
<tr><th colspan="2">Test Case SPT-02 Mobile Phone Examiner Plus (MPE+) 4.6.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-02 Attempt internal memory acquisition of a nonsupported mobile device.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>p630542</td></tr>
<tr><td>Test Date:</td><td>Thu Feb 16 06:57:24 EST 2012</td></tr>
<tr><td>Device:</td><td>unsupported_device</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 MPE+
Acquisition started: Thu Feb 16 06:57:24 EST 2012</td></tr>
</table>

Test Case SPT-02 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
	Acquisition finished: Thu Feb 16 07:06:33 EST 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

5.2.73 SPT-03 (Nokia 6350)

Test Case SPT-03 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted, then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Thu Feb 16 07:07:06 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 07:07:06 EST 2012 Acquisition finished: Thu Feb 16 07:23:01 EST 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

5.2.74 SPT-04 (Nokia 6350)

Test Case SPT-04 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Thu Feb 16 07:24:04 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 07:24:04 EST 2012 Acquisition finished: Thu Feb 16 07:27:20 EST 2012 Readability and completeness of acquired data was successful

Test Case SPT-04 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-04 Readability and completeness of acquired data via supported reports. / as expected
Analysis:	Expected results achieved

5.2.75 SPT-05 (Nokia 6350)

Test Case SPT-05 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Thu Feb 16 07:27:44 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 07:27:44 EST 2012 Acquisition finished: Thu Feb 16 07:28:43 EST 2012 IMEI was acquired
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-05 Acquisition of MSISDN, IMSI. / Not as expected SPT-CA-06 Acquisition of IMEI/MEID/ESN. / as expected
Analysis:	Partial results achieved

5.2.76 SPT-06 (Nokia 6350)

Test Case SPT-06 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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

<table>
<tr><th colspan="2">Test Case SPT-06 Mobile Phone Examiner Plus (MPE+) 4.6.0.2</th></tr>
<tr><td></td><td>shall be presented in a useable format.
SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format.
SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>p630542</td></tr>
<tr><td>Test Date:</td><td>Thu Feb 16 07:31:44 EST 2012</td></tr>
<tr><td>Device:</td><td>Nokia6350</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 MPE+
Acquisition started: Thu Feb 16 07:31:44 EST 2012
Acquisition finished: Thu Feb 16 07:34:07 EST 2012

Regular Length Address Book entries were acquired
Maximum Length Address Book entries were not acquired
Special Character Address Book entries were not acquired
Blank Name Address Book entries were not acquired
Email addresses within Address Book entries were acquired
Embedded graphics within Address Book entries were acquired
ALL PIM-related data was acquired

<u>Notes</u>:
Out of a total of seven address book entries active on the nokia 6350 device, only one address book entry was reported.</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-07 Acquisition of address book entries.</td><td>as expected</td></tr>
<tr><td>SPT-CA-08 Acquisition of maximum length address book entries.</td><td>Not as expected</td></tr>
<tr><td>SPT-CA-09 Acquisition of address book entries containing special characters.</td><td>Not as expected</td></tr>
<tr><td>SPT-CA-10 Acquisition of address book entries containing a blank name entry.</td><td>Not as expected</td></tr>
<tr><td>SPT-CA-11 Acquisition of embedded email addresses within address book entries.</td><td>as expected</td></tr>
<tr><td>SPT-CA-12 Acquisition of embedded graphics within address book entries.</td><td>as expected</td></tr>
<tr><td>SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).</td><td>as expected</td></tr>
<tr><td>SPT-CA-14 Acquisition of maximum length PIM data.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Partial results achieved</td></tr>
</table>

5.2.77 SPT-07 (Nokia 6350)

<table>
<tr><th colspan="2">Test Case SPT-07 Mobile Phone Examiner Plus (MPE+) 4.6.0.2</th></tr>
<tr><td>Case Summary:</td><td>SPT-07 Acquire mobile device internal memory and review reported call logs.</td></tr>
<tr><td>Assertions:</td><td>SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error, then call logs (incoming/outgoing/missed) shall be presented in a useable format.
SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>p630542</td></tr>
<tr><td>Test Date:</td><td>Thu Feb 16 07:36:40 EST 2012</td></tr>
</table>

Test Case SPT-07 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 07:36:40 EST 2012 Acquisition finished: Thu Feb 16 07:37:14 EST 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

5.2.78 SPT-08 (Nokia 6350)

Test Case SPT-08 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-08 Acquire mobile device internal memory and review reported text messages.
Assertions:	SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error, then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format. SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps for text messages shall be presented in a useable format. SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Thu Feb 16 07:37:46 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 07:37:46 EST 2012 Acquisition finished: Thu Feb 16 07:41:06 EST 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

5.2.79 SPT-09 (Nokia 6350)

Test Case SPT-09 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Thu Feb 16 07:41:59 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 07:41:59 EST 2012 Acquisition finished: Thu Feb 16 08:05:31 EST 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

5.2.80 SPT-10 (Nokia 6350)

Test Case SPT-10 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Thu Feb 16 08:10:16 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 08:10:16 EST 2012 Acquisition finished: Thu Feb 16 08:15:26 EST 2012

Test Case SPT-10 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
	ALL stand-alone data files (Audio, Image, Video) were acquired
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-CA-24 Acquisition of stand-alone audio files.</td><td>as expected</td></tr><tr><td>SPT-CA-25 Acquisition of stand-alone graphic files.</td><td>as expected</td></tr><tr><td>SPT-CA-26 Acquisition of stand-alone video files.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.81 SPT-13 (Nokia 6350)

Test Case SPT-13 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-13 Acquire mobile device internal memory by selecting a combination of supported data elements.
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error. 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:	p630542
Test Date:	Thu Feb 16 08:16:00 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 08:16:00 EST 2012 Acquisition finished: Thu Feb 16 08:18:32 EST 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

5.2.82 SPT-14 (Nokia 6350)

Test Case SPT-14 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Thu Feb 16 08:22:06 EST 2012
Device:	Nokia6350

Test Case SPT-14 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 08:22:06 EST 2012 Acquisition finished: Thu Feb 16 08:24:47 EST 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

5.2.83 SPT-15 (Nokia 6350)

Test Case SPT-15 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Thu Feb 16 08:25:13 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 08:25:13 EST 2012 Acquisition finished: Thu Feb 16 08:27:52 EST 2012 Identification of nonsupported media was successful
Results:	

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

Analysis:	Expected results achieved

5.2.84 SPT-16 (Nokia 6350)

Test Case SPT-16 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-16 Begin SIM acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader, then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Thu Feb 16 08:29:00 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 08:29:00 EST 2012 Acquisition finished: Thu Feb 16 08:30:42 EST 2012

Test Case SPT-16 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
	Media acquisition disruption notification was 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>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.85 SPT-17 (Nokia 6350)

Test Case SPT-17 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Thu Feb 16 08:31:37 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 08:31:37 EST 2012 Acquisition finished: Thu Feb 16 08:33:36 EST 2012 All subscriber-related data (i.e., SPN, ICCID, IMSI, MSISDN) was acquired
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-AO-04 Acquisition of SPN.</td><td>as expected</td></tr><tr><td>SPT-AO-05 Acquisition of ICCID.</td><td>as expected</td></tr><tr><td>SPT-AO-06 Acquisition of IMSI.</td><td>as expected</td></tr><tr><td>SPT-AO-07 Acquisition of MSISDN.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.86 SPT-18 (Nokia 6350)

Test Case SPT-18 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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 ADN shall be presented in a useable format. SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error, then ADN 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 ADN containing blank names shall be presented in a useable format.

Test Case SPT-18 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Tester Name:	rpa
Test Host:	p630542
Test Date:	Thu Feb 16 08:35:22 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 08:35:22 EST 2012 Acquisition finished: Thu Feb 16 08:37:49 EST 2012 Regular length ADN were acquired Maximum Length ADN were acquired Special Character ADN were not acquired Blank Name ADN were acquired **Notes**: An entry consisting of '@' for the name was not reported.
Results:	

Assertion & Expected Result	Actual Result
SPT-AO-08 Acquisition of ADN.	as expected
SPT-AO-09 Acquisition of maximum length ADN.	as expected
SPT-AO-10 Acquisition of special character ADN.	Not as expected
SPT-AO-11 Acquisition of blank name ADN.	as expected

Analysis:	Partial results achieved

5.2.87 SPT-19 (Nokia 6350)

Test Case SPT-19 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Thu Feb 16 08:40:04 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 08:40:04 EST 2012 Acquisition finished: Thu Feb 16 08:46:33 EST 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

5.2.88 SPT-20 (Nokia 6350)

Test Case SPT-20 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-20 Acquire SIM memory and review reported text messages (SMS, EMS).
Assertions:	SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII SMS text messages shall be presented in a useable format. SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII EMS text messages shall be presented in a useable format. SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for all text messages shall be presented in a useable format. SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Thu Feb 16 08:46:57 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 08:46:57 EST 2012 Acquisition finished: Thu Feb 16 08:51:47 EST 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

5.2.89 SPT-21 (Nokia 6350)

Test Case SPT-21 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Thu Feb 16 08:52:13 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log	Created by MPE+

Test Case SPT-21 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Highlights:	Acquisition started: Thu Feb 16 08:52:13 EST 2012 Acquisition finished: Thu Feb 16 08:56:10 EST 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

5.2.90 SPT-22 (Nokia 6350)

Test Case SPT-22 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Thu Feb 16 08:57:42 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 08:57:42 EST 2012 Acquisition finished: Thu Feb 16 08:59:39 EST 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

5.2.91 SPT-23 (Nokia 6350)

Test Case SPT-23 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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.

Test Case SPT-23 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
	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:	p630542
Test Date:	Thu Feb 16 09:00:05 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 09:00:05 EST 2012 Acquisition finished: Thu Feb 16 09:01:38 EST 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

5.2.92 SPT-24 (Nokia 6350)

Test Case SPT-24 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Thu Feb 16 09:04:39 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 09:04:39 EST 2012 Acquisition finished: Thu Feb 16 09:07:49 EST 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

5.2.93 SPT-25 (Nokia 6350)

Test Case SPT-25 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-25 Acquire mobile device internal memory and review reported data via the preview pane.

Test Case SPT-25 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Thu Feb 16 09:05:04 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 09:05:04 EST 2012 Acquisition finished: Thu Feb 16 09:07:27 EST 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

5.2.94 SPT-26 (Nokia 6350)

Test Case SPT-26 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Thu Feb 16 09:08:53 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 09:08:53 EST 2012 Acquisition finished: Thu Feb 16 09:16:42 EST 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

5.2.95 SPT-27 (Nokia 6350)

Test Case SPT-27 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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.

Test Case SPT-27 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Tester Name:	rpa
Test Host:	p630542
Test Date:	Thu Feb 16 09:09:11 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 09:09:11 EST 2012 Acquisition finished: Thu Feb 16 09:17:00 EST 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-28 (Nokia 6350)

Test Case SPT-28 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Thu Feb 16 09:09:37 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 09:09:37 EST 2012 Acquisition finished: Thu Feb 16 09:17:19 EST 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

5.2.97 SPT-29 (Nokia 6350)

Test Case SPT-29 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-29 After a successful mobile device internal memory, alter the case file via third-party means and attempt to reopen 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:	p630542
Test Date:	Thu Feb 16 09:17:58 EST 2012

Test Case SPT-29 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 09:17:58 EST 2012 Acquisition finished: Thu Feb 16 09:19:34 EST 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

5.2.98 SPT-30 (Nokia 6350)

Test Case SPT-30 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-30 After a successful SIM acquisition, alter the case file via third-party means and attempt to reopen 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:	p630542
Test Date:	Thu Feb 16 09:20:04 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 09:20:04 EST 2012 Acquisition finished: Thu Feb 16 09:21:46 EST 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

5.2.99 SPT-33 (Nokia 6350)

Test Case SPT-33 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Mon Feb 16 09:21:55 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable

Test Case SPT-33 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Log Highlights:	Created by MPE+ Acquisition started: Mon Feb 16 09:21:55 EST 2012 Acquisition finished: Mon Feb 16 12:22:43 EST 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/ADN.	as expected
SPT-AO-41 Acquisition of non-ASCII text messages.	as expected

Analysis:	Expected results achieved

5.2.100 SPT-34 (Nokia 6350)

Test Case SPT-34 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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 ADN 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:	p630542
Test Date:	Thu Feb 16 09:22:50 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 09:22:50 EST 2012 Acquisition finished: Thu Feb 16 09:26:13 EST 2012 Non-ASCII ADN were partially acquired Non-ASCII text messages were acquired and properly displayed **Notes**: The contact entry: Aurélien was not reported. The following error message occurred: An error occurred while decoding text. An invalid character was found in text.
Results:	

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

Analysis:	Partially results achieved

5.2.101 SPT-35 (Nokia 6350)

Test Case SPT-35 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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

Test Case SPT-35 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
	remaining number of authentication attempts, then the application should provide an accurate count of the remaining PIN attempts.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Thu Feb 16 09:27:23 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 09:27:23 EST 2012 Acquisition finished: Thu Feb 16 09:38:40 EST 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

5.2.102 SPT-36 (Nokia 6350)

Test Case SPT-36 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Thu Feb 16 09:27:45 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 09:27:45 EST 2012 Acquisition finished: Thu Feb 16 09:38:56 EST 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

5.2.103 SPT-38 (Nokia 6350)

Test Case SPT-38 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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 Case SPT-38 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Test Host:	p630542
Test Date:	Thu Feb 16 09:39:58 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 09:39:58 EST 2012 Acquisition finished: Thu Feb 16 09:45:06 EST 2012 Hash values were properly reported for individually acquired device data elements **Notes**: A hash is generated for the overall case.
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-43 Acquire data, check known hash values for consistency. / as expected
Analysis:	Expected results achieved

5.2.104 SPT-39 (Nokia 6350)

Test Case SPT-39 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Thu Feb 16 09:40:21 EST 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 09:40:21 EST 2012 Acquisition finished: Thu Feb 16 09:45:29 EST 2012 Hash values were properly reported for individually acquired SIM data elements **Notes**: A hash is generated for the overall case.
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-01 (Motorola Tundra)

Test Case SPT-01 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case Summary:	SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).

<table>
<tr><th colspan="2">Test Case SPT-01 Mobile Phone Examiner Plus (MPE+) 4.4.0</th></tr>
<tr><td>Assertions:</td><td>SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device, then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).
SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.
SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error.
SPT-CA-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.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>p630542</td></tr>
<tr><td>Test Date:</td><td>Thu Apr 19 10:34:03 EDT 2012</td></tr>
<tr><td>Device:</td><td>Motorola_Tundra</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 MPE+
Acquisition started: Thu Apr 19 10:34:03 EDT 2012
Acquisition finished: Thu Apr 19 10:34:15 EDT 2012

Device connectivity was established via supported interface

<u>Notes</u>:
The following error was reported when including "File System" as one of the data elements for data extraction: Error while extracting data: An unknown error: 302. The data that was successfully extracted (if any) will be available for viewing.</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr>
<tr><td>SPT-CA-04 Readability and completeness of acquired data via supported reports.</td><td>as expected</td></tr>
<tr><td>SPT-CA-29 Acquire-All data objects acquisition.</td><td>Not as expected</td></tr>
<tr><td>SPT-CA-30 Select-All data objects acquisition.</td><td>Not as expected</td></tr>
<tr><td>SPT-CA-31 Select-Individual data objects acquisition.</td><td>Not as expected</td></tr>
<tr><td>SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Partial results achieved</td></tr>
</table>

5.2.106 SPT-02 (Motorola Tundra)

<table>
<tr><th colspan="2">Test Case SPT-02 Mobile Phone Examiner Plus (MPE+) 4.4.0</th></tr>
<tr><td>Case Summary:</td><td>SPT-02 Attempt internal memory acquisition of a nonsupported mobile device.</td></tr>
<tr><td>Assertions:</td><td>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.</td></tr>
</table>

Test Case SPT-02 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Tester Name:	rpa
Test Host:	p630542
Test Date:	Thu Apr 19 10:42:15 EDT 2012
Device:	unsupported_device
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Thu Apr 19 10:42:15 EDT 2012 Acquisition finished: Thu Apr 19 10:52:35 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

5.2.107 SPT-03 (Motorola Tundra)

Test Case SPT-03 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case Summary:	SPT-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted, then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Thu Apr 19 10:53:04 EDT 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Thu Apr 19 10:53:04 EDT 2012 Acquisition finished: Thu Apr 19 10:56:22 EDT 2012 Device acquisition disruption notification was not successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-03 Notification of device acquisition disruption. / Not as expected
Analysis:	Expected results not achieved

5.2.108 SPT-04 (Motorola Tundra)

Test Case SPT-04 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case Summary:	SPT-04 Acquire mobile device internal memory and review reported data via the preview pane or generated reports for readability.
Assertions:	SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.
Tester Name:	rpa
Test Host:	p630542

Test Case SPT-04 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Test Date:	Thu Apr 19 10:59:25 EDT 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Thu Apr 19 10:59:25 EDT 2012 Acquisition finished: Thu Apr 19 11:00:16 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

5.2.109 SPT-05 (Motorola Tundra)

Test Case SPT-05 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case Summary:	SPT-05 Acquire mobile device internal memory and review reported subscriber- and equipment-related information (e.g., IMEI/MEID/ESN, MSISDN).
Assertions:	SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error, then subscriber-related information shall be presented in a useable format. SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error, then equipment-related information shall be presented in a useable format.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Thu Apr 19 11:00:43 EDT 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Thu Apr 19 11:00:43 EDT 2012 Acquisition finished: Thu Apr 19 11:04:03 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

5.2.110 SPT-06 (Motorola Tundra)

Test Case SPT-06 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case Summary:	SPT-06 Acquire mobile device internal memory and review reported PIM-related data.
Assertions:	SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error, then address book entries shall be presented in a useable format. SPT-CA-08 If a cellular forensic tool completes acquisition of the target

<table>
<tr><th colspan="2">Test Case SPT-06 Mobile Phone Examiner Plus (MPE+) 4.4.0</th></tr>
<tr><td></td><td>device without error, then maximum length address book entries shall be presented in a useable format.
SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing special characters shall be presented in a useable format.
SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing blank names shall be presented in a useable format.
SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format.
SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format.
SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format.
SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.</td></tr>
<tr><td>Tester Name:</td><td>rpa</td></tr>
<tr><td>Test Host:</td><td>p630542</td></tr>
<tr><td>Test Date:</td><td>Thu Apr 19 11:04:36 EDT 2012</td></tr>
<tr><td>Device:</td><td>Motorola_Tundra</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 MPE+
Acquisition started: Thu Apr 19 11:04:36 EDT 2012
Acquisition finished: Thu Apr 19 11:11:58 EDT 2012

Regular Length Address Book entries were partially acquired
Maximum Length Address Book entries were partially acquired
Special Character Address Book entries were partially acquired
Blank Name Address Book entries were acquired
Email addresses within Address Book entries were acquired
Embedded graphics within Address Book entries were acquired
Basic PIM-related data was not acquired - NA
Maximum length PIM-related data was not acquired - NA

<u>Notes</u>:
Address book entries with fields for a first, middle and last name were reported incorrectly. Only the first name field was reported.</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>SPT-CA-07 Acquisition of address book entries.</td><td>Not as expected</td></tr>
<tr><td>SPT-CA-08 Acquisition of maximum length address book entries.</td><td>Not as expected</td></tr>
<tr><td>SPT-CA-09 Acquisition of address book entries containing special characters.</td><td>Not as expected</td></tr>
<tr><td>SPT-CA-10 Acquisition of address book entries containing a blank name entry.</td><td>as expected</td></tr>
<tr><td>SPT-CA-11 Acquisition of embedded email addresses within address book entries.</td><td>as expected</td></tr>
<tr><td>SPT-CA-12 Acquisition of embedded graphics within address book entries.</td><td>as expected</td></tr>
<tr><td>SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).</td><td>as expected</td></tr>
<tr><td>SPT-CA-14 Acquisition of maximum length PIM data.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results not achieved</td></tr>
</table>

5.2.111 SPT-10 (Motorola Tundra)

Test Case SPT-10 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case Summary:	SPT-10 Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).
Assertions:	SPT-CA-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:	p630542
Test Date:	Thu Apr 19 11:19:27 EDT 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Thu Apr 19 11:19:27 EDT 2012 Acquisition finished: Thu Apr 19 11:21:44 EDT 2012 ALL supported stand-alone data files (Image, Video) were acquired
Results:	**Assertion & Expected Result** / **Actual Result** 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

5.2.112 SPT-13 (Motorola Tundra)

Test Case SPT-13 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case Summary:	SPT-13 Acquire mobile device internal memory by selecting a combination of supported data elements.
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with an “Select All” individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to “Select Individual” device data objects for acquisition, then the tool shall acquire each exclusive data object without error.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Thu Apr 19 11:22:44 EDT 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Thu Apr 19 11:22:44 EDT 2012 Acquisition finished: Thu Apr 19 11:22:56 EDT 2012 Acquire All acquisition was not successful **Notes**: The following error was reported when including "File System" as one of the data elements for data extraction: Error while extracting data: An unknown

Test Case SPT-13 Mobile Phone Examiner Plus (MPE+) 4.4.0	
	error: 302. The data that was successfully extracted (if any) will be available for viewing.
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>Not as expected</td></tr><tr><td>SPT-CA-30 Select-All data objects acquisition.</td><td>Not as expected</td></tr><tr><td>SPT-CA-31 Select-Individual data objects acquisition.</td><td>Not as expected</td></tr></table>
Analysis:	Expected results not achieved

5.2.113 SPT-14 (Motorola Tundra)

Test Case SPT-14 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case Summary:	SPT-14 Acquire SIM memory over supported interfaces (e.g., PC/SC reader).
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM, then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, Smart phone itself).
Tester Name:	rpa
Test Host:	p630542
Test Date:	Thu Feb 16 10:07:11 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 10:07:11 EST 2012 Acquisition finished: Thu Feb 16 10:10:09 EST 2012 Media connectivity was established via supported interface
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

5.2.114 SPT-15 (Motorola Tundra)

Test Case SPT-15 Mobile Phone Examiner Plus (MPE+) 4.4.0	
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:	p630542
Test Date:	Thu Feb 16 10:10:39 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 10:10:39 EST 2012 Acquisition finished: Thu Feb 16 10:12:54 EST 2012 Identification of nonsupported media was successful

Test Case SPT-15 Mobile Phone Examiner Plus (MPE+) 4.4.0	
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

5.2.115 SPT-16 (Motorola Tundra)

Test Case SPT-16 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case Summary:	SPT-16 Begin SIM acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader, then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Thu Feb 16 10:13:23 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 10:13:23 EST 2012 Acquisition finished: Thu Feb 16 10:17:24 EST 2012 Media acquisition disruption notification was 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>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.116 SPT-17 (Motorola Tundra)

Test Case SPT-17 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case Summary:	SPT-17 Acquire SIM memory and review reported subscriber- and equipment-related information (i.e., SPN, ICCID, IMSI, MSISDN).
Assertions:	SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error, then the SPN shall be presented in a useable format. SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error, then the ICCID shall be presented in a useable format. SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error, then the IMSI shall be presented in a useable format. SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error, then the MSISDN shall be presented in a useable format.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Thu Feb 16 10:17:56 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 10:17:56 EST 2012 Acquisition finished: Thu Feb 16 10:19:54 EST 2012 All subscriber-related data (i.e., SPN, ICCID, IMSI, MSISDN) was acquired
Results:	

Test Case SPT-17 Mobile Phone Examiner Plus (MPE+) 4.4.0	
	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

5.2.117 SPT-18 (Motorola Tundra)

Test Case SPT-18 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case Summary:	SPT-18 Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).
Assertions:	SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format. SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error, then maximum length ADNs shall be presented in a useable format. SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error, then ADNs containing special characters shall be presented in a useable format. SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error, then ADNs containing blank names shall be presented in a useable format.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Thu Feb 16 10:20:21 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 10:20:21 EST 2012 Acquisition finished: Thu Feb 16 10:22:03 EST 2012 Regular length ADNs were acquired Maximum Length ADNs were acquired Special Character ADNs were not acquired Blank Name ADNs were acquired **Notes**: Aurélien was not correctly reported in the name field. The following error message was reported: An error occurred while decoding text. An invalid character was found in text. An entry consisting of '@' for the name was not reported.
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. — Not as expected SPT-AO-11 Acquisition of blank name ADNs. — as expected
Analysis:	Partial results achieved

5.2.118 SPT-19 (Motorola Tundra)

Test Case SPT-19 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case Summary:	SPT-19 Acquire SIM memory and review reported Last Numbers Dialed (LND).

Test Case SPT-19 Mobile Phone Examiner Plus (MPE+) 4.4.0	
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:	p630542
Test Date:	Thu Feb 16 10:26:19 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 10:26:19 EST 2012 Acquisition finished: Thu Feb 16 10:30:49 EST 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

5.2.119 SPT-20 (Motorola Tundra)

Test Case SPT-20 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case Summary:	SPT-20 Acquire SIM memory and review reported text messages (SMS, EMS).
Assertions:	SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII SMS text messages shall be presented in a useable format. SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII EMS text messages shall be presented in a useable format. SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for all text messages shall be presented in a useable format. SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Thu Feb 16 10:31:20 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 10:31:20 EST 2012 Acquisition finished: Thu Feb 16 10:33:08 EST 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

Test Case SPT-20 Mobile Phone Examiner Plus (MPE+) 4.4.0	
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

5.2.120 SPT-21 (Motorola Tundra)

Test Case SPT-21 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case Summary:	SPT-21 Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).
Assertions:	SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error, then deleted text messages that have not been overwritten shall be presented in a useable format.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Thu Feb 16 10:33:32 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 10:33:32 EST 2012 Acquisition finished: Thu Feb 16 10:35:53 EST 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

5.2.121 SPT-22 (Motorola Tundra)

Test Case SPT-22 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case Summary:	SPT-22 Acquire SIM memory and review reported location-related data (i.e., LOCI, GPRSLOCI).
Assertions:	SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., LOCI) shall be presented in a useable format. SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., GRPSLOCI) shall be presented in a useable format.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Thu Feb 16 10:36:13 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log	Created by MPE+

Test Case SPT-22 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Highlights:	Acquisition started: Thu Feb 16 10:36:13 EST 2012 Acquisition finished: Thu Feb 16 10:40:31 EST 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

5.2.122 SPT-23 (Motorola Tundra)

Test Case SPT-23 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case Summary:	SPT-23 Acquire SIM memory by selecting a combination of supported data elements.
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM, then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, Smart phone itself). SPT-AO-22 If a cellular forensic tool provides the user with an “Acquire All” SIM data objects acquisition option, then the tool shall complete the acquisition of all data objects without error. 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:	p630542
Test Date:	Thu Feb 16 10:40:51 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 10:40:51 EST 2012 Acquisition finished: Thu Feb 16 10:42:09 EST 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

5.2.123 SPT-24 (Motorola Tundra)

Test Case SPT-24 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case Summary:	SPT-24 Acquire mobile device internal memory and review reported data via supported generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall present the acquired data in a useable format via supported generated report formats.

Test Case SPT-24 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Tester Name:	rpa
Test Host:	p630542
Test Date:	Thu Apr 19 13:15:21 EDT 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Thu Apr 19 13:15:21 EDT 2012 Acquisition finished: Thu Apr 19 13:16:49 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

5.2.124 SPT-25 (Motorola Tundra)

Test Case SPT-25 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case Summary:	SPT-25 Acquire mobile device internal memory and review reported data via the preview pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall present the acquired data in a useable format in a preview-pane view.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Thu Apr 19 13:17:13 EDT 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Thu Apr 19 13:17:13 EDT 2012 Acquisition finished: Thu Apr 19 13:18:29 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

5.2.125 SPT-26 (Motorola Tundra)

Test Case SPT-26 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case Summary:	SPT-26 Acquire SIM memory and review reported data via supported generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error, then the tool shall present the acquired data in a useable format via supported generated report formats.
Tester Name:	rpa

Test Case SPT-26 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Test Host:	p630542
Test Date:	Thu Feb 16 10:43:17 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 10:43:17 EST 2012 Acquisition finished: Thu Feb 16 10:48:31 EST 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

5.2.126 SPT-27 (Motorola Tundra)

Test Case SPT-27 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case Summary:	SPT-27 Acquire SIM memory and review reported data via the preview pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the SIM without error, then the tool shall present the acquired data in a useable format in a preview-pane view.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Thu Feb 16 10:43:32 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 10:43:32 EST 2012 Acquisition finished: Thu Feb 16 10:48:39 EST 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

5.2.127 SPT-28 (Motorola Tundra)

Test Case SPT-28 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case Summary:	SPT-28 Attempt acquisition of a password-protected SIM.
Assertions:	SPT-AO-28 If the SIM is password-protected, then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Thu Feb 16 12:10:46 EST 2012

Test Case SPT-28 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 12:10:46 EST 2012 Acquisition finished: Thu Feb 16 12:12:31 EST 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

5.2.128 SPT-29 (Motorola Tundra)

Test Case SPT-29 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case Summary:	SPT-29 After a successful mobile device internal memory, alter the case file via third-party means and attempt to reopen 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:	p630542
Test Date:	Thu Apr 19 13:18:56 EDT 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Thu Apr 19 13:18:56 EDT 2012 Acquisition finished: Thu Apr 19 13:19:43 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

5.2.129 SPT-30 (Motorola Tundra)

Test Case SPT-30 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case Summary:	SPT-30 After a successful SIM acquisition, alter the case file via third-party means and attempt to reopen 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:	p630542
Test Date:	Thu Feb 16 12:13:01 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 12:13:01 EST 2012

Test Case SPT-30 Mobile Phone Examiner Plus (MPE+) 4.4.0	
	Acquisition finished: Thu Feb 16 12:15:52 EST 2012 Notification of modified SIM data was successful
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-AO-27 Notification of modified device case data.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.130 SPT-33 (Motorola Tundra)

Test Case SPT-33 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case Summary:	SPT-33 Acquire mobile device internal memory and review data containing non-ASCII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters, then the application should present address book entries in their native format.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Thu Apr 19 13:44:31 EDT 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Thu Apr 19 13:44:31 EDT 2012 Acquisition finished: Thu Apr 19 13:45:20 EDT 2012 Non-ASCII Address book entries were acquired but not properly displayed Non-ASCII text messages were not acquired - NA **Notes**: Address book entries containing non-ASCII characters were reported as ?
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-AO-40 Acquisition of non-ASCII address book entries/ADNs.</td><td>Not as expected</td></tr></table>
Analysis:	Expected results not achieved

5.2.131 SPT-34 (Motorola Tundra)

Test Case SPT-34 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case Summary:	SPT-34 Acquire SIM memory and review data containing non-ASCII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters, then the application should present ADNs in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters, then the application should present text messages in their native format.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Thu Feb 16 12:16:18 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 12:16:18 EST 2012

Test Case SPT-34 Mobile Phone Examiner Plus (MPE+) 4.4.0	
	Acquisition finished: Thu Feb 16 12:16:43 EST 2012 Non-ASCII ADN were partially acquired Non-ASCII text messages were acquired and properly displayed **Notes**: The contact entry: Aurélien was not reported. The following error message occurred: An error occurred while decoding text. An invalid character was found in text.
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-AO-40 Acquisition of non-ASCII address book entries/ADNs.</td><td>Not as expected</td></tr><tr><td>SPT-AO-41 Acquisition of non-ASCII text messages.</td><td>as expected</td></tr></table>
Analysis:	Partial results achieved

5.2.132 SPT-35 (Motorola Tundra)

Test Case SPT-35 Mobile Phone Examiner Plus (MPE+) 4.4.0	
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:	p630542
Test Date:	Thu Feb 16 12:16:43 EST 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 12:16:43 EST 2012 Acquisition finished: Thu Feb 16 12:17:51 EST 2012 The remaining number of PIN attempts were properly displayed
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-AO-29 Display remaining number of PIN attempts.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.133 SPT-36 (Motorola Tundra)

Test Case SPT-36 Mobile Phone Examiner Plus (MPE+) 4.4.0	
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:	p630542
Test Date:	Thu Feb 16 12:29:50 EST 2012
Device:	Motorola_Tundra

Test Case SPT-36 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 12:29:50 EST 2012 Acquisition finished: Thu Feb 16 12:37:45 EST 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

5.2.134 SPT-38 (Motorola Tundra)

Test Case SPT-38 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case Summary:	SPT-38 Acquire mobile device internal memory and review hash values for vendor supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects, then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Thu Apr 19 14:33:50 EDT 2012
Device:	Motorola_Tundra
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Thu Apr 19 14:33:50 EDT 2012 Acquisition finished: Thu Apr 19 14:34:42 EDT 2012 Hash values were properly reported for individually acquired device data elements **Notes**: A hash is generated for the overall case.
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-43 Acquire data, check known hash values for consistency. / as expected
Analysis:	Expected results achieved

5.2.135 SPT-39 (Motorola Tundra)

Test Case SPT-39 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case Summary:	SPT-39 Acquire SIM memory and review hash values for vendor supported data objects.
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects, then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Thu Feb 16 12:30:16 EST 2012
Device:	Motorola_Tundra
Source	OS: WIN XP v5.1.2600

Test Case SPT-39 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Setup:	Interface: USB
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 12:30:16 EST 2012 Acquisition finished: Thu Feb 16 12:37:58 EST 2012 Hash values were properly reported for individually acquired SIM data elements **Notes**: A hash is generated for the overall case.
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-43 Acquire data, check known hash values for consistency. / as expected
Analysis:	Expected results achieved

5.2.136 SPT-01 (HTC Thunderbolt)

Test Case SPT-01 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-01 Acquire mobile device internal memory over tool-supported interfaces (e.g., cable, Bluetooth, IrDA).
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device, then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report. SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error. SPT-CA-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:	p630542
Test Date:	Tue Feb 28 07:33:49 EST 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Tue Feb 28 07:33:49 EST 2012 Acquisition finished: Tue Feb 28 07:35:18 EST 2012 Device connectivity was established via supported interface **Notes**: Successful connectivity to the device was inconsistent. The following error occurs frequently: No flash card in device.
Results:	

Test Case SPT-01 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
	Assertion & Expected Result / **Actual Result** SPT-CA-01 Device connectivity via supported interfaces. / Partial 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:	Partial results achieved

5.2.137 SPT-02 (HTC Thunderbolt)

Test Case SPT-02 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Tue Feb 28 07:37:27 EST 2012
Device:	unsupported_device
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Tue Feb 28 07:37:27 EST 2012 Acquisition finished: Tue Feb 28 07:39:07 EST 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

5.2.138 SPT-03 (HTC Thunderbolt)

Test Case SPT-03 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted, then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	p630542
Test Date:	Tue Feb 28 07:39:58 EST 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Tue Feb 28 07:39:58 EST 2012 Acquisition finished: Tue Feb 28 08:24:12 EST 2012 Device acquisition disruption notification was successful

Test Case SPT-03 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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

5.2.139 SPT-04 (HTC Thunderbolt)

Test Case SPT-04 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Tue Feb 28 08:24:47 EST 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Tue Feb 28 08:24:47 EST 2012 Acquisition finished: Tue Feb 28 08:27:49 EST 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

5.2.140 SPT-05 (HTC Thunderbolt)

Test Case SPT-05 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Tue Feb 28 08:28:13 EST 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Tue Feb 28 08:28:13 EST 2012 Acquisition finished: Tue Feb 28 08:30:23 EST 2012

Test Case SPT-05 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
	IMEI, MEID/ESN were not acquired **Notes**: An ICCID was reported for the device. No SIM card was present - the device operates over the CDMA network.
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-CA-05 Acquisition of MSISDN, IMSI.</td><td>Not as expected</td></tr><tr><td>SPT-CA-06 Acquisition of IMEI/MEID/ESN.</td><td>Not as expected</td></tr></table>
Analysis:	Expected results not achieved

5.2.141 SPT-06 (HTC Thunderbolt)

Test Case SPT-06 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Tue Feb 28 08:33:51 EST 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Tue Feb 28 08:33:51 EST 2012 Acquisition finished: Tue Feb 28 08:47:00 EST 2012 All address book entries were successfully acquired ALL PIM-related data was acquired
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>SPT-CA-07 Acquisition of address book entries.</td><td>as expected</td></tr><tr><td>SPT-CA-08 Acquisition of maximum length address book entries.</td><td>as expected</td></tr><tr><td>SPT-CA-09 Acquisition of address book entries containing special characters.</td><td>as expected</td></tr><tr><td>SPT-CA-10 Acquisition of address book entries containing a</td><td>as expected</td></tr></table>

Test Case SPT-06 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
	blank name entry.
	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

5.2.142 SPT-07 (HTC Thunderbolt)

Test Case SPT-07 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Tue Feb 28 08:47:40 EST 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Tue Feb 28 08:47:40 EST 2012 Acquisition finished: Tue Feb 28 08:49:55 EST 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

5.2.143 SPT-08 (HTC Thunderbolt)

Test Case SPT-08 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-08 Acquire mobile device internal memory and review reported text messages.
Assertions:	SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error, then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format. SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps for text messages shall be presented in a useable format. SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa

Test Case SPT-08 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Test Host:	p630542
Test Date:	Tue Feb 28 08:52:21 EST 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Tue Feb 28 08:52:21 EST 2012 Acquisition finished: Tue Feb 28 08:55:45 EST 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

5.2.144 SPT-10 (HTC Thunderbolt)

Test Case SPT-10 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Tue Feb 28 09:00:31 EST 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Tue Feb 28 09:00:31 EST 2012 Acquisition finished: Tue Feb 28 09:03:06 EST 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

Test Case SPT-10 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Analysis:	Expected results achieved

5.2.145 SPT-11 (HTC Thunderbolt)

Test Case SPT-11 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Tue Feb 28 09:03:38 EST 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Tue Feb 28 09:03:38 EST 2012 Acquisition finished: Tue Feb 28 09:06:23 EST 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

5.2.146 SPT-13 (HTC Thunderbolt)

Test Case SPT-13 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-13 Acquire mobile device internal memory by selecting a combination of supported data elements.
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an “Acquire All” device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error. 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:	p630542
Test Date:	Tue Feb 28 09:22:13 EST 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Tue Feb 28 09:22:13 EST 2012 Acquisition finished: Tue Feb 28 09:22:54 EST 2012 Acquire All acquisition was successful
Results:	**Assertion & Expected Result** / **Actual Result** SPT-CA-29 Acquire-All data objects acquisition. / as expected

Test Case SPT-13 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
	SPT-CA-30 Select-All data objects acquisition. — as expected SPT-CA-31 Select-Individual data objects acquisition. — as expected
Analysis:	Expected results achieved

5.2.147 SPT-24 (HTC Thunderbolt)

Test Case SPT-24 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Tue Feb 28 09:24:23 EST 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Tue Feb 28 09:24:23 EST 2012 Acquisition finished: Tue Feb 28 09:29:15 EST 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

5.2.148 SPT-25 (HTC Thunderbolt)

Test Case SPT-25 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Tue Feb 28 09:29:56 EST 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Tue Feb 28 09:29:56 EST 2012 Acquisition finished: Tue Feb 28 09:31:32 EST 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

Test Case SPT-25 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Analysis:	Expected results achieved

5.2.149 SPT-29 (HTC Thunderbolt)

Test Case SPT-29 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Summary:	SPT-29 After a successful mobile device internal memory, alter the case file via third-party means and attempt to reopen 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:	p630542
Test Date:	Tue Feb 28 09:32:13 EST 2012
Device:	mpe_thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Tue Feb 28 09:32:13 EST 2012 Acquisition finished: Tue Feb 28 09:38:28 EST 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

5.2.150 SPT-33 (HTC Thunderbolt)

Test Case SPT-33 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Tue Feb 28 09:38:58 EST 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Tue Feb 28 09:38:58 EST 2012 Acquisition finished: Tue Feb 28 09:42:43 EST 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/ADN. / as expected

Test Case SPT-33 Mobile Phone Examiner Plus (MPE+) 4.6.0.2		
	SPT-AO-41 Acquisition of non-ASCII text messages.	as expected
Analysis:	Expected results achieved	

5.2.151 SPT-38 (HTC Thunderbolt)

Test Case SPT-38 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
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:	p630542
Test Date:	Tue Feb 28 09:43:15 EST 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by MPE+ Acquisition started: Tue Feb 28 09:43:15 EST 2012 Acquisition finished: Tue Feb 28 09:44:37 EST 2012 Hash values were properly reported for individually acquired device data elements **Notes**: A hash is generated for the overall case.
Results:	**Assertion & Expected Result** / **Actual Result** SPT-AO-43 Acquire data, check known hash values for consistency. / as expected
Analysis:	Expected results achieved

About the National Institute of Justice

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

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

Strategic Goals

NIJ has seven strategic goals grouped into three categories:

Creating relevant knowledge and tools

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

Dissemination

4. Disseminate relevant knowledge and information to practitioners and policymakers in an understandable, timely and concise manner.
5. Act as an honest broker to identify the information, tools and technologies that respond to the needs of stakeholders.

Agency management

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

Program Areas

In addressing these strategic challenges, the Institute is involved in the following program areas: crime control and prevention, including policing; drugs and crime; justice systems and offender behavior, including corrections; violence and victimization; communications and information technologies; critical incident response; investigative and forensic sciences, including DNA; less-than-lethal technologies; officer protection; education and training technologies; testing and standards; technology assistance to law enforcement and corrections agencies; field testing of promising programs; and international crime control.

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

To find out more about the National Institute of Justice, please visit:

www.nij.gov

or contact:

National Criminal Justice
Reference Service
P.O. Box 6000
Rockville, MD 20849–6000
800–851–3420
http://www.ncjrs.gov