

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

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810 Seventh Street N.W. Washington, DC 20531

Eric H. Holder, Jr.
Attorney General

Mary Lou Leary Acting Assistant Attorney General

John H. Laub
Director, National Institute of Justice

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John Laub

Director, National Institute of Justice

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Contents

		tionRead This Report	
11	.ow to I	Read Tills Report	1
1	Rest	ılts Summary	2
2		Case Selection	
3	Rest	ılts by Test Assertion.	12
		Device connectivity	
		Acquisition of subscriber- and equipment-related information	
		Acquisition of Personal Information Management (PIM) data	
		Acquisition of call log data	
		Acquisition of SIM Abbreviated Dialing Numbers (ADN)	
		Acquisition of Internal Memory PIM data containing non-ASCII characters	
		Acquisition of SIM PIM data containing non-ASCII characters	
		Acquisition of internal memory data elements	
		Notification of device acquisition disruption	
4		ing Environment	
		Test computers	
		Mobile devices	
		Internal memory data objects	
		Subscriber Identity Module data objects	
5		Results	
		Test Results Report Key	
		Test Details	
	5.2		
	5.2	` '	
	5.2	.3 SPT-03 (iPhone4 GSM)	44
	5.2	.4 SPT-04 (iPhone4 GSM)	45
	5.2	.5 SPT-05 (iPhone4 GSM)	45
	5.2	.6 SPT-06 (iPhone4 GSM)	46
	5.2	.7 SPT-07 (iPhone4 GSM)	47
	5.2	.8 SPT-08 (iPhone4 GSM)	47
	5.2	.9 SPT-09 (iPhone4 GSM)	48
	5.2	.10 SPT-10 (iPhone4 GSM)	48
	5.2		
	5.2	.12 SPT-13 (iPhone4 GSM)	50
	5.2	.13 SPT-14 (iPhone4 GSM)	50
	5.2	.14 SPT-15 (iPhone4 GSM)	51
	5.2	· · · · · · · · · · · · · · · · · · ·	
	5.2	· /	
	5.2	,	
	5.2	· /	
	5.2	· /	
	5.2	· /	

5.2.21	SPT-22 (iPhone4 GSM)	55
5.2.22	SPT-23 (iPhone4 GSM)	55
5.2.23	SPT-24 (iPhone4 GSM)	56
5.2.24	SPT-25 (iPhone4 GSM)	56
5.2.25	SPT-26 (iPhone4 GSM)	57
5.2.26	SPT-27 (iPhone4 GSM)	57
5.2.27	SPT-28 (iPhone4 GSM)	58
5.2.28	SPT-29 (iPhone4 GSM)	58
5.2.29	SPT-30 (iPhone4 GSM)	59
5.2.30	SPT-31 (iPhone4 GSM)	59
5.2.31	SPT-32 (iPhone4 GSM)	60
5.2.32	SPT-33 (iPhone4 GSM)	61
5.2.33	SPT-34 (iPhone4 GSM)	61
5.2.34	SPT-35 (iPhone4 GSM)	62
5.2.35	SPT-36 (iPhone4 GSM)	62
5.2.36	SPT-38 (iPhone4 GSM)	63
5.2.37	SPT-39 (iPhone4 GSM)	63
5.2.38	SPT-40 (iPhone4 GSM)	64
5.2.39	SPT-01 (BlackBerry Torch)	64
5.2.40	SPT-02 (BlackBerry Torch)	65
5.2.41	SPT-03 (BlackBerry Torch)	66
5.2.42	SPT-04 (BlackBerry Torch)	66
5.2.43	SPT-05 (BlackBerry Torch)	67
5.2.44	SPT-06 (BlackBerry Torch)	67
5.2.45	SPT-07 (BlackBerry Torch)	68
5.2.46	SPT-08 (BlackBerry Torch)	69
5.2.47	SPT-13 (BlackBerry Torch)	70
5.2.48	SPT-14 (BlackBerry Torch)	70
5.2.49	SPT-15 (BlackBerry Torch)	71
5.2.50	SPT-16 (BlackBerry Torch)	71
5.2.51	SPT-17 (BlackBerry Torch)	72
5.2.52	SPT-18 (BlackBerry Torch)	72
5.2.53	SPT-19 (BlackBerry Torch)	73
5.2.54	SPT-20 (BlackBerry Torch)	74
5.2.55	SPT-21 (BlackBerry Torch)	74
5.2.56	SPT-22 (BlackBerry Torch)	75
5.2.57	SPT-23 (BlackBerry Torch)	75
5.2.58	SPT-24 (BlackBerry Torch)	76
5.2.59	SPT-25 (BlackBerry Torch)	76
5.2.60	SPT-26 (BlackBerry Torch)	77
5.2.61	SPT-27 (BlackBerry Torch)	77
5.2.62	SPT-28 (BlackBerry Torch)	78
5.2.63	SPT-29 (BlackBerry Torch)	78
5.2.64	SPT-30 (BlackBerry Torch)	79
5.2.65	SPT-33 (BlackBerry Torch)	79
5.2.66	SPT-34 (BlackBerry Torch)	80

5.2.67	SPT-35 (BlackBerry Torch)	80
5.2.68	SPT-36 (BlackBerry Torch)	81
5.2.69	SPT-38 (BlackBerry Torch)	81
5.2.70	SPT-39 (BlackBerry Torch)	82
5.2.71	SPT-01 (Nokia 6350)	82
5.2.72	SPT-02 (Nokia 6350)	83
5.2.73	SPT-03 (Nokia 6350)	84
5.2.74	SPT-04 (Nokia 6350)	84
5.2.75	SPT-05 (Nokia 6350)	85
5.2.76	SPT-06 (Nokia 6350)	85
5.2.77	SPT-07 (Nokia 6350)	86
5.2.78	SPT-08 (Nokia 6350)	87
5.2.79	SPT-09 (Nokia 6350)	88
5.2.80	SPT-10 (Nokia 6350)	88
5.2.81	SPT-13 (Nokia 6350)	89
5.2.82	SPT-14 (Nokia 6350)	89
5.2.83	SPT-15 (Nokia 6350)	90
5.2.84	SPT-16 (Nokia 6350)	90
5.2.85	SPT-17 (Nokia 6350)	91
5.2.86	SPT-18 (Nokia 6350)	91
5.2.87	SPT-19 (Nokia 6350)	92
5.2.88	SPT-20 (Nokia 6350)	93
5.2.89	SPT-21 (Nokia 6350)	93
5.2.90	SPT-22 (Nokia 6350)	94
5.2.91	SPT-23 (Nokia 6350)	94
5.2.92	SPT-24 (Nokia 6350)	95
5.2.93	SPT-25 (Nokia 6350)	95
5.2.94	SPT-26 (Nokia 6350)	96
5.2.95	SPT-27 (Nokia 6350)	96
5.2.96	SPT-28 (Nokia 6350)	97
5.2.97	SPT-29 (Nokia 6350)	97
5.2.98	SPT-30 (Nokia 6350)	98
5.2.99	SPT-33 (Nokia 6350)	98
5.2.100	SPT-34 (Nokia 6350)	99
5.2.101	SPT-35 (Nokia 6350)	99
5.2.102	SPT-36 (Nokia 6350)	. 100
5.2.103	SPT-38 (Nokia 6350)	. 100
5.2.104	SPT-39 (Nokia 6350)	. 101
5.2.105	SPT-01 (Motorola Tundra)	. 101
5.2.106	SPT-02 (Motorola Tundra)	
5.2.107	SPT-03 (Motorola Tundra)	. 103
5.2.108	SPT-04 (Motorola Tundra)	
5.2.109	SPT-05 (Motorola Tundra)	
5.2.110	SPT-06 (Motorola Tundra)	. 104
5.2.111	SPT-10 (Motorola Tundra)	. 106
5 2 112	SPT-13 (Motorola Tundra)	106

5.2.113	SPT-14 (Motorola Tundra)	107
5.2.114	SPT-15 (Motorola Tundra)	107
5.2.115	SPT-16 (Motorola Tundra)	108
5.2.116	SPT-17 (Motorola Tundra)	108
5.2.117	SPT-18 (Motorola Tundra)	109
5.2.118	SPT-19 (Motorola Tundra)	109
5.2.119	SPT-20 (Motorola Tundra)	110
5.2.120	SPT-21 (Motorola Tundra)	111
5.2.121	SPT-22 (Motorola Tundra)	111
5.2.122	SPT-23 (Motorola Tundra)	
5.2.123	SPT-24 (Motorola Tundra)	112
5.2.124	SPT-25 (Motorola Tundra)	113
5.2.125	SPT-26 (Motorola Tundra)	113
5.2.126	SPT-27 (Motorola Tundra)	114
5.2.127	SPT-28 (Motorola Tundra)	114
5.2.128	SPT-29 (Motorola Tundra)	115
5.2.129	SPT-30 (Motorola Tundra)	115
5.2.130	SPT-33 (Motorola Tundra)	116
5.2.131	SPT-34 (Motorola Tundra)	116
5.2.132	SPT-35 (Motorola Tundra)	117
5.2.133	SPT-36 (Motorola Tundra)	117
5.2.134	SPT-38 (Motorola Tundra)	118
5.2.135	SPT-39 (Motorola Tundra)	118
5.2.136	SPT-01 (HTC Thunderbolt)	119
5.2.137	SPT-02 (HTC Thunderbolt)	120
5.2.138	SPT-03 (HTC Thunderbolt)	120
5.2.139	SPT-04 (HTC Thunderbolt)	121
5.2.140	SPT-05 (HTC Thunderbolt)	121
5.2.141	SPT-06 (HTC Thunderbolt)	122
5.2.142	SPT-07 (HTC Thunderbolt)	123
5.2.143	SPT-08 (HTC Thunderbolt)	123
5.2.144	SPT-10 (HTC Thunderbolt)	124
5.2.145	SPT-11 (HTC Thunderbolt)	125
5.2.146	SPT-13 (HTC Thunderbolt)	125
5.2.147	SPT-24 (HTC Thunderbolt)	126
5.2.148	SPT-25 (HTC Thunderbolt)	
5.2.149	SPT-29 (HTC Thunderbolt)	
5.2.150	SPT-33 (HTC Thunderbolt)	127
5.2.151	SPT-38 (HTC Thunderbolt)	128

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.,	SPT-14
PC/SC reader).	
Attempt acquisition of a nonsupported SIM.	SPT-15
Begin SIM acquisition and interrupt connectivity by	SPT-16
interface disengagement.	
Acquire SIM memory and review reported subscriber- and	SPT-17
equipment-related information (i.e., SPN, ICCID, IMSI,	
MSISDN).	

Supported Optional Feature	Cases Selected for Execution
Acquire SIM memory and review reported Abbreviated	SPT-18
Dialing Numbers (ADN).	
Acquire SIM memory and review reported Last Numbers	SPT-19
Dialed (LND).	
Acquire SIM memory and review reported text messages	SPT-20
(SMS, EMS).	
Acquire SIM memory and review recoverable deleted text	SPT-21
messages (SMS, EMS).	
Acquire SIM memory and review reported location-related	SPT-22
data (i.e., LOCI, GPRSLOCI).	
Acquire SIM memory by selecting a combination of	SPT-23
supported data elements.	
Acquire mobile device internal memory and review	SPT-24
reported data via supported generated report formats.	
Acquire mobile device internal memory and review	SPT-25
reported data via the preview pane.	
Acquire SIM memory and review reported data via	SPT-26
supported generated report formats.	
Acquire SIM memory and review reported data via the	SPT-27
preview pane.	
Attempt acquisition of a password-protected SIM.	SPT-28
After a successful mobile device internal memory, alter the	SPT-29
case file via third-party means and attempt to reopen the	
case.	
After a successful SIM acquisition, alter the case file via	SPT-30
third-party means and attempt to reopen the case.	
Perform a physical acquisition and review data output for	SPT-31
readability.	
Perform a physical acquisition and review reports for	SPT-32
recoverable deleted data.	51 1 3 2
Acquire mobile device internal memory and review data	SPT-33
containing non-ASCII characters.	
Acquire SIM memory and review data containing non-	SPT-34
ASCII characters.	
Begin acquisition on a PIN-protected SIM to determine if	SPT-35
the tool provides an accurate count of the remaining	51 1 55
number of PIN attempts and if the PIN attempts are	
decremented when entering an incorrect value.	
Begin acquisition on a SIM whose PIN attempts have been	SPT-36
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.	
Acquire mobile device internal memory and review hash	SPT-38
values for vendor supported data objects.	511 50
rances for render supported data objects.	

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

Table 2a: Omitted Test Cases (iPhone4 GSM)

Unsupported Optional Feature	Cases omitted -
	not executed
Acquire mobile device internal memory and review application-related	SPT-11
data (i.e., word documents, spreadsheet, presentation documents).	
Perform a stand-alone mobile device internal memory acquisition and	SPT-37
review the status flags for text messages present on the SIM.	

Table 1b: Selected Test Cases (BlackBerry Torch)

Supported Optional Feature	Cases Selected for Execution
Base Cases	SPT-01, SPT-02, SPT-
Dase Cases	03, SPT-04, SPT-05,
	SPT-06, SPT-07, SPT-
	08, SPT-13
A coving CIM manager area area dinterference (a.g. DC/CC	SPT-14
Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	SP1-14
Attempt acquisition of a nonsupported SIM.	SPT-15
Begin SIM acquisition and interrupt connectivity by interface	SPT-16
disengagement.	
Acquire SIM memory and review reported subscriber- and	SPT-17
equipment-related information (i.e., SPN, ICCID, IMSI,	
MSISDN).	
Acquire SIM memory and review reported Abbreviated	SPT-18
Dialing Numbers (ADN).	
Acquire SIM memory and review reported Last Numbers	SPT-19
Dialed (LND).	
Acquire SIM memory and review reported text messages	SPT-20
(SMS, EMS).	
Acquire SIM memory and review recoverable deleted text	SPT-21
messages (SMS, EMS).	
Acquire SIM memory and review reported location-related	SPT-22
data (i.e., LOCI, GPRSLOCI).	
Acquire SIM memory by selecting a combination of supported	SPT-23
data elements.	
Acquire mobile device internal memory and review reported	SPT-24
data via supported generated report formats.	
Acquire mobile device internal memory and review reported	SPT-25
data via the preview pane.	

Supported Optional Feature	Cases Selected for Execution
Acquire SIM memory and review reported data via supported	SPT-26
generated report formats.	
Acquire SIM memory and review reported data via the preview	SPT-27
pane.	
Attempt acquisition of a password-protected SIM.	SPT-28
After a successful mobile device internal memory, alter the	SPT-29
case file via third-party means and attempt to reopen the case.	
After a successful SIM acquisition, alter the case file via third-	SPT-30
party means and attempt to reopen the case.	
Acquire mobile device internal memory and review data	SPT-33
containing non-ASCII characters.	
Acquire SIM memory and review data containing non-ASCII	SPT-34
characters.	
Begin acquisition on a PIN-protected PIN-protected SIM to	SPT-35
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.	
Begin acquisition on a SIM whose PIN attempts have been	SPT-36
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.	
Acquire mobile device internal memory and review hash	SPT-38
values for vendor supported data objects.	
Acquire SIM memory and review hash values for vendor	SPT-39
supported data objects.	

Table 2b: Omitted Test Cases (BlackBerry Torch)

Unsupported Optional Feature	Cases omitted - not executed
Acquire mobile device internal memory and review reported MMS	SPT-09
multimedia-related data (i.e., text, audio, graphics, video).	
Acquire mobile device internal memory and review reported stand-	SPT-10
alone multi-media data (i.e., audio, graphics, video).	
Acquire mobile device internal memory and review application-related	SPT-11
data (i.e., word documents, spreadsheet, presentation documents).	
Acquire mobile device internal memory and review Internet-related	SPT-12
data (i.e., bookmarks, visited sites).	
Perform a physical acquisition and review data output for readability.	SPT-31
Perform a physical acquisition and review reports for recoverable	SPT-32
deleted data.	
Perform a stand-alone mobile device internal memory acquisition and	SPT-37
review the status flags for text messages present on the SIM.	
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	SPT-09
multimedia-related data (i.e., text, audio, graphics, video).	
Acquire mobile device internal memory and review reported stand-	SPT-10
alone multi-media data (i.e., audio, graphics, video).	
Acquire mobile device internal memory and review application-related	SPT-11
data (i.e., word documents, spreadsheet, presentation documents).	
Acquire mobile device internal memory and review Internet-related	SPT-12
data (i.e., bookmarks, visited sites).	
Perform a physical acquisition and review data output for readability.	SPT-31
Perform a physical acquisition and review reports for recoverable	SPT-32
deleted data.	
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.,	SPT-14
PC/SC reader).	
Attempt acquisition of a nonsupported SIM.	SPT-15
Begin SIM acquisition and interrupt connectivity by	SPT-16
interface disengagement.	
Acquire SIM memory and review reported subscriber- and	SPT-17
equipment-related information (i.e., SPN, ICCID, IMSI,	
MSISDN).	
Acquire SIM memory and review reported Abbreviated	SPT-18
Dialing Numbers (ADN).	
Acquire SIM memory and review reported Last Numbers	SPT-19
Dialed (LND).	
Acquire SIM memory and review reported text messages	SPT-20
(SMS, EMS).	
Acquire SIM memory and review recoverable deleted text	SPT-21
messages (SMS, EMS).	
Acquire SIM memory and review reported location-related	SPT-22
data (i.e., LOCI, GPRSLOCI).	
Acquire SIM memory by selecting a combination of	SPT-23
supported data elements.	
Acquire mobile device internal memory and review reported	SPT-24
data via supported generated report formats.	
Acquire mobile device internal memory and review reported	SPT-25
data via the preview pane.	

Supported Optional Feature	Cases Selected for Execution
Acquire SIM memory and review reported data via	SPT-26
supported generated report formats.	
Acquire SIM memory and review reported data via the	SPT-27
preview pane.	
Attempt acquisition of a password-protected SIM.	SPT-28
After a successful mobile device internal memory, alter the	SPT-29
case file via third-party means and attempt to reopen the	
case.	
After a successful SIM acquisition, alter the case file via	SPT-30
third-party means and attempt to reopen the case.	
Acquire mobile device internal memory and review data	SPT-33
containing non-ASCII characters.	
Acquire SIM memory and review data containing non-	SPT-34
ASCII characters.	
Begin acquisition on a PIN-protected SIM to determine if	SPT-35
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.	
Begin acquisition on a SIM whose PIN attempts have been	SPT-36
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.	
Acquire mobile device internal memory and review hash	SPT-38
values for vendor supported data objects.	
Acquire SIM memory and review hash values for vendor	SPT-39
supported data objects.	

Table 2c: Omitted Test Cases (Nokia 6350)

Unsupported Optional Feature	Cases omitted -
	not executed
Acquire mobile device internal memory and review application-related	SPT-11
data (i.e., word documents, spreadsheet, presentation documents).	
Acquire mobile device internal memory and review Internet-related	SPT-12
data (i.e., bookmarks, visited sites).	
Perform a physical acquisition and review data output for readability.	SPT-31
Perform a physical acquisition and review reports for recoverable	SPT-32
deleted data.	
Perform a stand-alone mobile device internal memory acquisition and	SPT-37
review the status flags for text messages present on the SIM.	
Acquire mobile device internal memory and review data containing	SPT-40
GPS longitude and latitude coordinates.	

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	SPT-14
reader).	SPT-15
Attempt acquisition of a nonsupported SIM.	
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,	SPT-17
MSISDN).	
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	SPT-36
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.	
Acquire mobile device internal memory and review hash values	SPT-38
for vendor supported data objects.	
Acquire SIM memory and review hash values for vendor	SPT-39
supported data objects.	

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	SPT-08
messages.	
Acquire mobile device internal memory and review reported MMS	SPT-09
multimedia-related data (i.e., text, audio, graphics, video).	
Acquire mobile device internal memory and review application-	SPT-11
related data (i.e., word documents, spreadsheet, presentation	
documents).	
Acquire mobile device internal memory and review Internet-related	SPT-12
data (i.e., bookmarks, visited sites).	
Perform a physical acquisition and review data output for readability.	SPT-31
Perform a physical acquisition and review reports for recoverable	SPT-32
deleted data.	
Perform a stand alone mobile device internal memory acquisition and	SPT-37
review the status flags for text messages present on the SIM.	
Acquire mobile device internal memory and review data containing	SPT-40
GPS longitude and latitude coordinates.	

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	SPT-24
review reported data via supported generated	
report formats.	
Acquire mobile device internal memory and	SPT-25
review reported data via the preview pane.	
After a successful mobile device internal	SPT-29
memory, alter the case file via third-party means	
and attempt to reopen the case.	
Acquire mobile device internal memory and	SPT-33
review data containing non-ASCII characters.	

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

Table 2e: Omitted Test Cases (HTC Thunderbolt)

Unsupported Optional Feature	Cases
	omitted - not
	executed
Acquire mobile device internal memory and review reported MMS	SPT-09
multimedia-related data (i.e., text, audio, graphics, video).	
Acquire mobile device internal memory and review Internet-related data	SPT-12
(i.e., bookmarks, visited sites).	
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	SPT-16
disengagement.	
Acquire SIM memory and review reported subscriber- and equipment-	SPT-17
related information (i.e., SPN, ICCID, IMSI, MSISDN).	
Acquire SIM memory and review reported Abbreviated Dialing Numbers	SPT-18
(ADN).	
Acquire SIM memory and review reported Last Numbers Dialed (LND).	SPT-19
Acquire SIM memory and review reported text messages (SMS, EMS).	SPT-20
Acquire SIM memory and review recoverable deleted text messages	SPT-21
(SMS, EMS).	
Acquire SIM memory and review reported location-related data (i.e.,	SPT-22
LOCI, GPRSLOCI).	
Acquire SIM memory by selecting a combination of supported data	SPT-23
elements.	
Acquire SIM memory and review reported data via supported generated	SPT-26
report formats.	
Acquire SIM memory and review reported data via the preview pane.	SPT-27
Attempt acquisition of a password-protected SIM.	SPT-28
After a successful SIM acquisition, alter the case file via third-party means	SPT-30
and attempt to reopen the case.	
Perform a physical acquisition and review data output for readability.	SPT-31
Perform a physical acquisition and review reports for recoverable deleted	SPT-32
data.	
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	SPT-35
an accurate count of the remaining number of PIN attempts and if the PIN	
attempts are decremented when entering an incorrect value.	
Begin acquisition on a SIM whose PIN attempts have been exhausted to	SPT-36
determine if the tool provides an accurate count of the remaining number	
of PUK attempts and if the PUK attempts are decremented when entering	
an incorrect value.	

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

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	1	
device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).		
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	1	
not supported.		
SPT-CA-03 If connectivity between the mobile device and cellular		
forensic tool is disrupted, then the tool shall notify the user that	1	
connectivity has been disrupted.		
SPT-CA-04 If a cellular forensic tool completes acquisition of the target		
device without error, then the tool shall have the ability to present	2	
acquired data objects in a useable format via either a preview pane or	2	
generated report.		
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
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	1	3.2
presented in a useable format.		
SPT-CA-07 If a cellular forensic tool completes acquisition of the target		
device without error, then address book entries shall be presented in a	1	
useable format.		
SPT-CA-08 If a cellular forensic tool completes acquisition of the target	1	
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	1	
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	1	
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	1	
entries shall be presented in a useable format.		
SPT-CA-12 If a cellular forensic tool completes acquisition of the target		
device without error, then graphics associated with address book entries	1	
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	1	
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	1	
entries shall be presented in a useable format.	_	
SPT-CA-15 If a cellular forensic tool completes acquisition of the target		
device without error, then call logs (incoming/outgoing/missed) shall be	1	
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	1	
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	1	
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	1	
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	
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	
	1	
numbers for text messages shall be presented in a useable format.		
SPT-CA-21 If a cellular forensic tool completes acquisition of the target	1	
device without error, then MMS messages and associated audio shall be presented in a useable format.	1	
1		
SPT-CA-22 If a cellular forensic tool completes acquisition of the target	1	
device without error, then MMS messages and associated graphic files	1	
shall be presented in a useable format.		
SPT-CA-23 If a cellular forensic tool completes acquisition of the target	1	
device without error, then MMS messages and associated video shall be		

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	1	
useable format via either an internal application or suggested third-party	1	
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	1	
a useable format via either an internal application or suggested third-	1	
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	1	
useable format via either an internal application or suggested third-party	1	
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	1	
format.		
SPT-CA-29 If a cellular forensic tool provides the user with an		
"Acquire All" device data objects acquisition option, then the tool shall	2	
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	2	
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	2	
shall acquire each exclusive data objects without error.		
SPT-CA-32 If a cellular forensic tool completes two consecutive logical		
acquisitions of the target device without error, then the payload (data	1	
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	2	
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	1	
· · · · · · · · · · · · · · · · · · ·	1	
supported.	-	
SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM	1	
reader, then the tool shall notify the user that connectivity has been	1	
disrupted.		
SPT-AO-04 If a cellular forensic tool completes acquisition of the target	1	
SIM without error, then the SPN shall be presented in a useable format.	1	
SPT-AO-05 If a cellular forensic tool completes acquisition of the target	1	
SIM without error, then the ICCID shall be presented in a useable	1	
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	1	
format.		
SPT-AO-08 If a cellular forensic tool completes acquisition of the target		
SIM without error, then ASCII Abbreviated Dialing Numbers (ADN)	1	
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	1	
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	1	3.5
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	1	
useable format.	1	
SPT-AO-12 If a cellular forensic tool completes acquisition of the target		
SIM without error, then Last Numbers Dialed (LND) shall be presented	1	
in a useable format.	1	
SPT-AO-13 If a cellular forensic tool completes acquisition of the target		
SIM without error, then the corresponding date/time stamps for LNDs	1	
shall be presented in a useable format.	1	
SPT-AO-14 If a cellular forensic tool completes acquisition of the target		
SIM without error, then ASCII SMS text messages shall be presented in	1	
a useable format.	1	
SPT-AO-15 If a cellular forensic tool completes acquisition of the target	1	
SIM without error, then ASCII EMS text messages shall be presented in	1	
a useable format.		
SPT-AO-16 If a cellular forensic tool completes acquisition of the target	1	
SIM without error, then the corresponding date/time stamps for all text	1	
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	1	
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	1	
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	1	
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	1	
presented in a useable format.		
SPT-AO-21 If a cellular forensic tool completes acquisition of the target	1	
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	1	
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	1	
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	1	
shall acquire each exclusive data object without error.		
SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM		
without error, then the tool shall present the acquired data in a useable	2	
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	2	
format in a preview-pane view.		
SPT-AO-27 If the case file or individual data objects are modified via		
third-party means, then the tool shall provide protection mechanisms	2	
disallowing or reporting data modification.		
SPT-AO-28 If the SIM is password-protected, then the cellular forensic		
tool shall provide the examiner with the opportunity to input the PIN	1	
before acquisition.	1	
SPT-AO-29 If a cellular forensic tool provides the examiner with the		
remaining number of authentication attempts, then the application	1	
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	1	
	1	
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	1	
	1	
error. SDT AO 22 If the cellular forencia tool supports the interpretation of		
SPT-AO-32 If the cellular forensic tool supports the interpretation of		
address book entries present on the target device, then the tool shall	1	
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	1	
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	1	
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	1	
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	1	
recoverable active and deleted EMS messages or EMS message data	1	
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	1	
recoverable active and deleted audio data or audio file data remnants in	1	
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	1	
recoverable active and deleted graphic file data or graphic file data	1	
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	1	
recoverable active and deleted video file data or video file data remnants	1	
in a useable format.		
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII		
characters, then the application should present ADN in their native	2	3.7
format.		
SPT-AO-41 If the cellular forensic tool supports proper display of non-		
ASCII characters, then the application should present text messages in	2	
their native format.		
SPT-AO-43 If the cellular forensic tool supports hashing for individual		
data objects, then the tool shall present the user with a hash value for	2	
each supported data object.		
SPT-AO-44 If the cellular forensic tool supports acquisition of GPS		
data, then the tool shall present the user with the longitude and latitude	1	
coordinates for all GPS-related data in a useable format.		

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	1	
device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).		
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	1	
not supported.		
SPT-CA-03 If connectivity between the mobile device and cellular		
forensic tool is disrupted, then the tool shall notify the user that	1	
connectivity has been disrupted.		
SPT-CA-04 If a cellular forensic tool completes acquisition of the target		
device without error, then the tool shall have the ability to present	2	
acquired data objects in a useable format via either a preview pane or		

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	1	
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	1	
presented in a useable format.		
SPT-CA-07 If a cellular forensic tool completes acquisition of the target		
device without error, then address book entries shall be presented in a	1	
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	1	
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	1	
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	1	
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	1	
entries shall be presented in a useable format.	_	
SPT-CA-12 If a cellular forensic tool completes acquisition of the target		
device without error, then graphics associated with address book entries	1	3.3
shall be presented in a useable format.	_	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	1	3.3
presented in a useable format.	_	3.3
SPT-CA-14 If a cellular forensic tool completes acquisition of the target		
device without error, then maximum length datebook, calendar, note	1	3.3
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	1	3.4
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	1	3.4
duration of the call for call logs shall be presented in a useable format.	1	J. ⊤
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	1	
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	1	
messages shall be presented in a useable format.	1	
SPT-CA-19 If a cellular forensic tool completes acquisition of the target		
1 1	1	
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-29 If a cellular forensic tool provides the user with an	
device without error, then the corresponding sender/recipient phone 1 numbers for text messages shall be presented in a useable format.	
numbers for text messages shall be presented in a useable format.	
SPT-CA-29 If a cellular forensic tool provides the user with an	
51 1 C11 27 II a contain notonible tool provides the user with an	
"Acquire All" device data objects acquisition option, then the tool shall 2	
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 2	
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 1	
objects) on the mobile device shall remain consistent.	
SPT-AO-01 If a cellular forensic tool provides support for connectivity	
of the target SIM, then the tool shall successfully recognize the target	
SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary	
reader, Smart phone itself).	
SPT-AO-02 If a cellular forensic tool attempts to connect to a	
nonsupported SIM, then the tool shall notify the user that the SIM is not 1	
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 1	
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 1	
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 1	
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 1 3.5	
in a useable format.	

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	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. SPT-AO-27 If the case file or individual data objects are modified via third-party means, then the tool shall provide protection mechanisms disallowing or reporting data modification. SPT-AO-27 If the case file or individual data objects are modified via third-party means, then the tool shall provide protection mechanisms disallowing or reporting data modification. SPT-AO-28 If the SIM is password-protected, then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition. SPT-AO-29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts, then the application should provide an accurate count of the remaining PIN attempts. SPT-AO-30 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts, then the application should provide an accurate count of the remaining PUK attempts. SPT-AO-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 2 3.6	Assertions Tested	Tests	Anomaly
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ASCII characters, then the application should present text messages in 2 3.6	SPT-AO-41 If the cellular forensic tool supports proper display of non-		
		2	3.6
their native format.	their native format.		
SPT-AO-43 If the cellular forensic tool supports hashing for individual	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 2		2	
each supported data object.	_		

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	1	
device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).		
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	1	
not supported.		
SPT-CA-03 If connectivity between the mobile device and cellular		
forensic tool is disrupted, then the tool shall notify the user that	1	
connectivity has been disrupted.		
SPT-CA-04 If a cellular forensic tool completes acquisition of the target		
device without error, then the tool shall have the ability to present	2	
acquired data objects in a useable format via either a preview pane or	2	
generated report.		
SPT-CA-05 If a cellular forensic tool completes acquisition of the target	1	3.2
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	1	
presented in a useable format.		
SPT-CA-07 If a cellular forensic tool completes acquisition of the target		
device without error, then address book entries shall be presented in a	1	
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	1	3.3
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	1	3.3
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	1	3.3
shall be presented in a useable format.	_	0.0
SPT-CA-11 If a cellular forensic tool completes acquisition of the target		
device without error, then email addresses associated with address book	1	
entries shall be presented in a useable format.	1	
SPT-CA-12 If a cellular forensic tool completes acquisition of the target		
device without error, then graphics associated with address book entries	1	
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	1	
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	1	
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	1	
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	1	
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	1	
be presented in a useable format.	1	
-		
SPT-CA-18 If a cellular forensic tool completes acquisition of the target	1	
device without error, then the corresponding date/time stamps for text	1	
messages shall be presented in a useable format.		
SPT-CA-19 If a cellular forensic tool completes acquisition of the target	1	
device without error, then the corresponding status (i.e., read, unread)	1	
for text messages shall be presented in a useable format.		
SPT-CA-20 If a cellular forensic tool completes acquisition of the target	1	
device without error, then the corresponding sender/recipient phone		

numbers for text messages shall be presented in a useable format. SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated audio shall be presented in a useable format. SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated graphic files shall be presented in a useable format. SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated video shall be presented in a useable format. SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-26 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 objects for acquisition, then the tool shall forensic tool provides support for connectivity of the target SIM, then the tool shall succ	Assertions Tested	Tests	Anomaly
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SPT-AO-04 If a cellular forensic tool completes acquisition of the target 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	1	
format.		
SPT-AO-06 If a cellular forensic tool completes acquisition of the target	1	
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	1	
format.		
SPT-AO-08 If a cellular forensic tool completes acquisition of the target		
SIM without error, then ASCII Abbreviated Dialing Numbers (ADN)	1	
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	1	
useable format.	1	
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM		
	1	3.5
without error, then ADN containing special characters shall be presented	1	3.3
in a useable format.		
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM	1	
without error, then ADN containing blank names shall be presented in a	1	
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	1	
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	1	
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	1	
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	1	
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	1	
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	1	
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	1	
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	1	
overwritten shall be presented in a useable format.	1	
overwithen shall be presented in a useable format.	<u> </u>	

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	1	
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	1	
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	1	
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	1	
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	1	
shall acquire each exclusive data object without error.		
SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM		
without error, then the tool shall present the acquired data in a useable	2	
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	2	
format in a preview-pane view.		
SPT-AO-27 If the case file or individual data objects are modified via		
third-party means, then the tool shall provide protection mechanisms	2	
disallowing or reporting data modification.		
SPT-AO-27 If the case file or individual data objects are modified via		
third-party means, then the tool shall provide protection mechanisms	1	
disallowing or reporting data modification.		
SPT-AO-28 If the SIM is password-protected, then the cellular forensic		
tool shall provide the examiner with the opportunity to input the PIN	1	
before acquisition.		
SPT-AO-29 If a cellular forensic tool provides the examiner with the		
remaining number of authentication attempts, then the application	1	
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	1	
an accurate count of the remaining PUK attempts.		
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII		
characters, then the application should present ADN in their native	1	3.7
format.		,
SPT-AO-41 If the cellular forensic tool supports proper display of non-		
ASCII characters, then the application should present text messages in	1	
their native format.		
SPT-AO-43 If the cellular forensic tool supports hashing for individual		
data objects, then the tool shall present the user with a hash value for	2	
each supported data object.	_	
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Table 3d: Assertions Tested: (Motorola Tundra)

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	1	
device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).		
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	1	
not supported.		
SPT-CA-03 If connectivity between the mobile device and cellular		
forensic tool is disrupted, then the tool shall notify the user that	1	3.9
connectivity has been disrupted.		
SPT-CA-04 If a cellular forensic tool completes acquisition of the target	-	
device without error, then the tool shall have the ability to present		
acquired data objects in a useable format via either a preview pane or	2	
generated report.		
SPT-CA-05 If a cellular forensic tool completes acquisition of the target	:	
device without error, then subscriber-related information shall be	1	
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	1	
presented in a useable format.		
SPT-CA-07 If a cellular forensic tool completes acquisition of the target	-	
device without error, then address book entries shall be presented in a	1	3.3
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	1	3.3
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	1	3.3
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	1	
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	1 1	
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	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. 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-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 object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error, then the payload (data objects) on the mobile device shall remain consistent. SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM, then the tool shall successfully recognize the target
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-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. SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM, then the tool shall successfully recognize the target
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. SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM, then the tool shall successfully recognize the target
All" individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition, then the tool shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error, then the payload (data objects) on the mobile device shall remain consistent. SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM, then the tool shall successfully recognize the target.
to "Select Individual" device data objects for acquisition, then the tool shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error, then the payload (data objects) on the mobile device shall remain consistent. SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM, then the tool shall successfully recognize the target
acquisitions of the target device without error, then the payload (data objects) on the mobile device shall remain consistent. SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM, then the tool shall successfully recognize the target.
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 1 format.
SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error, then the IMSI shall be presented in a useable format.
SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error, then the MSISDN shall be presented in a useable format.
SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format.
SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error, then maximum length ADNs shall be presented in a useable format.

SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error, then ADNs containing special characters shall be presented in a useable format.	1	3.5
1		
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM		
without error, then ADNs containing blank names shall be presented in	1	
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	1	
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	1	
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	1	
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	1	
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	1	
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	1	
	1	
text messages shall be presented in a useable format.		
SPT-AO-18 If a cellular forensic tool completes acquisition of the target	1	
SIM without error, then the corresponding sender / recipient phone	1	
numbers for text messages shall be presented in a useable format.		
SPT-AO-19 If the cellular forensic tool completes acquisition of the	1	
target SIM without error, then deleted text messages that have not been	1	
overwritten shall be presented in a useable format.		
SPT-AO-20 If a cellular forensic tool completes acquisition of the target	4	
SIM without error, then location-related data (i.e., LOCI) shall be	1	
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	1	
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	1	
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	1	
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	1	
shall acquire each exclusive data object without error.		
SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM	2	
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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	2	
format in a preview-pane view.		
SPT-AO-27 If the case file or individual data objects are modified via		
third-party means, then the tool shall provide protection mechanisms	2	
disallowing or reporting data modification.		
SPT-AO-28 If the SIM is password-protected, then the cellular forensic		
tool shall provide the examiner with the opportunity to input the PIN	1	
before acquisition.		
SPT-AO-29 If a cellular forensic tool provides the examiner with the		
remaining number of authentication attempts, then the application	1	
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	1	
an accurate count of the remaining PUK attempts.		
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII		
characters, then the application should present ADNs in their native	2	3.6, 3.7
format.		
SPT-AO-43 If the cellular forensic tool supports hashing for individual		
data objects, then the tool shall present the user with a hash value for	2	
each supported data object.		

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	1	3.1
device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).		
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	1	
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	
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	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	1	
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	1	
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	1	
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	1	
entries shall be presented in a useable format.		
SPT-CA-12 If a cellular forensic tool completes acquisition of the target		
device without error, then graphics associated with address book entries	1	
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	1	
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	1	
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	1	
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	1	
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	1	
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	1	
messages shall be presented in a useable format.	1	
SPT-CA-19 If a cellular forensic tool completes acquisition of the target	1	
device without error, then the corresponding status (i.e., read, unread)	1	
for text messages shall be presented in a useable format.		
SPT-CA-20 If a cellular forensic tool completes acquisition of the target	1	
device without error, then the corresponding sender/recipient phone	1	
numbers for text messages 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	1	
useable format via either an internal application or suggested third-party		
application.		

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	1	
a useable format via either an internal application or suggested third-	1	
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	1	
useable format via either an internal application or suggested third-party	1	
application.		
SPT-CA-27 If a cellular forensic tool completes acquisition of the target		
device without error, then device specific application-related data shall	1	
be acquired and presented in a useable format via either an internal	1	
application or suggested third-party application.		
SPT-CA-29 If a cellular forensic tool provides the user with an		
"Acquire All" device data objects acquisition option, then the tool shall	2	
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	2	
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	2	
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	1	
objects) on the mobile device shall remain consistent.		
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	1	
useable format via supported generated report formats.		
SPT-AO-26 If a cellular forensic tool completes acquisition of the target		
device without error, then the tool shall present the acquired data in a	1	
useable format in a preview-pane view.		
SPT-AO-27 If the case file or individual data objects are modified via		
third-party means, then the tool shall provide protection mechanisms	1	
disallowing or reporting data modification.		
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII		
characters, then the application should present address book entries in	1	
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	1	
their native format.		
SPT-AO-43 If the cellular forensic tool supports hashing for individual		
data objects, then the tool shall present the user with a hash value for	1	
each supported data object.		

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 'l'. 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 successful 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 objects 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® CoreTM2 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)

Test Case SPT	-01 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case	SPT-01 Acquire mobile device internal memory over tool-suppor	ted interfaces
Summary:	(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:	Fri Feb 10 08:25:27 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 08:25:27 EST 2012	
	Acquisition finished: Fri Feb 10 08:27:10 EST 2012 Device connectivity was established via supported interface	
Results:		Actual Result

Test Case SPT-01 Mobile Phone Examiner Plus (MPE+) 4.4.0		
	SPT-CA-04 Readability and completeness of acquired data via	as expected
	supported reports.	
	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	as expected
	payload for modifications.	
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	OS: WIN XP v5.1.2600		
Setup:	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 successf	ul	
Results:	Assorbing C Demostral Deput	Actual Result	
	Assertion & Expected Result SPT-CA-02 Identification of nonsupported devices.	as expected	
Analysis:	Expected results achieved		

5.2.3 SPT-03 (iPhone4 GSM)

Test Case SPT-	Test Case SPT-03 Mobile Phone Examiner Plus (MPE+) 4.6.0.2		
Case	SPT-03 Begin mobile device internal memory acquisition and	interrupt	
Summary:	connectivity by interface disengagement.		
Assertions:	SPT-CA-03 If connectivity between the mobile device and cel tool is disrupted, then the tool shall notify the user that has been disrupted.		
Tester Name:	rpa		
Test Host:	p630542		
Test Date:	Fri Feb 10 08:48:25 EST 2012		
Device:	iPhone4_GSM		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by MPE+		
Highlights:	Acquisition started: Fri Feb 10 08:48:25 EST 2012		
3 3	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 SPI	C-04 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case	SPT-04 Acquire mobile device internal memory and review reported data via	
Summary:	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	
	acquired data objects in a useable format via either a previe	w pane or
	generated report.	
Tester	rpa	
Name:		
Test Host:	p630542	
Test Date:	Fri Feb 10 09:12:22 EST 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by MPE+	
Highlights:	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	SPT-05 Acquire mobile device internal memory and review reported		
Summary:	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	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by MPE+		
Highlights:	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	SPT-06 Acquire mobile device internal memory and review reported PIM-		
Summary:	related data.		
Assertions:	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	f the target	
	device without error, then maximum length address book entrie		
	presented in a useable format.	b blider be	
	SPT-CA-09 If a cellular forensic tool completes acquisition o	f the target	
	device without error, then address book entries containing sp	ecial	
	characters shall be presented in a useable format.		
	SPT-CA-10 If a cellular forensic tool completes acquisition of	_	
	device without error, then address book entries containing bl shall be presented in a useable format.	ank names	
	SPT-CA-11 If a cellular forensic tool completes acquisition of	f the target	
	device without error, then email addresses associated with ad	_	
	entries shall be presented in a useable format.		
	SPT-CA-12 If a cellular forensic tool completes acquisition of		
	device without error, then graphics associated with address b	ook entries	
	shall be presented in a useable format. SPT-CA-13 If a cellular forensic tool completes acquisition of	f the taxaet	
	device without error, then datebook, calendar, note entries s		
	presented in a useable format.		
	SPT-CA-14 If a cellular forensic tool completes acquisition o	f 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	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by MPE+		
Highlights:	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 suggestfully assuited		
	All address book entries were successfully acquired ALL PIM-related data was acquired		
Results:	Parameter & Parameter Parameter	Actual	
i	Assertion & Expected Result	Result	
	Assertion & Expected Result SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book	Result	
	SPT-CA-07 Acquisition of address book entries.	Result as expected	
	SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing	Result as expected	
	SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing special characters.	as expected as expected as expected	
	SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing special characters. SPT-CA-10 Acquisition of address book entries containing a	as expected as expected	
	SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing special characters. SPT-CA-10 Acquisition of address book entries containing a blank name entry.	as expected as expected as expected as expected as expected	
	SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing special characters. SPT-CA-10 Acquisition of address book entries containing a blank name entry. SPT-CA-11 Acquisition of embedded email addresses within	as expected as expected as expected	
	SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing special characters. SPT-CA-10 Acquisition of address book entries containing a blank name entry. SPT-CA-11 Acquisition of embedded email addresses within address book entries.	as expected as expected as expected as expected as expected as expected	
	SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing special characters. SPT-CA-10 Acquisition of address book entries containing a blank name entry. SPT-CA-11 Acquisition of embedded email addresses within	as expected as expected as expected as expected as expected	
	SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing special characters. SPT-CA-10 Acquisition of address book entries containing a blank name entry. SPT-CA-11 Acquisition of embedded email addresses within address book entries. SPT-CA-12 Acquisition of embedded graphics within address	as expected as expected as expected as expected as expected 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	OS: WIN XP v5.1.2600		
Setup:	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 acqui All Call Log date/time stamps data were correctly rep		
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	se SPT-08 Mobile Phone Examiner Plus (MPE+) 4.6.0.2		
Case	SPT-08 Acquire mobile device internal memory and review reported text		
Summary:	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	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by MPE+		

Test Case SPT	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)

Summary: m Assertions: S	SPT-09 Acquire mobile device internal memory and review repmultimedia-related data (i.e., text, audio, graphics, video SPT-CA-21 If a cellular forensic tool completes acquisition device without error, then MMS megagage and aggogiated audionates.).
Assertions: S	SPT-CA-21 If a cellular forensic tool completes acquisition	
d	dowigo without error then MMC magages and aggediated audi	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	3
	device without error, then MMS messages and associated grap	hic files shall
	pe presented in a useable format.	
	SPT-CA-23 If a cellular forensic tool completes acquisition	
	device without error, then MMS messages and associated vide	o shall be
F	presented in a useable format.	
Tester Name: r	rpa	
Test Host: p	p630542	
Test Date: F	Fri Feb 10 13:55:47 EST 2012	
Device: i	iPhone4_GSM	
Source C	OS: WIN XP v5.1.2600	
Setup: I	Interface: cable	
Log	Created by MPE+	
Highlights: A	Acquisition started: Fri Feb 10 13:55:47 EST 2012	
P	Acquisition finished: Fri Feb 10 14:11:24 EST 2012	
P	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	as expected
	messages.	
	SPT-CA-23 Acquisition of video MMS messages. as expecte	
Analysis: E	Expected results achieved	

5.2.10 SPT-10 (iPhone4 GSM)

Test Case SPT-10 Mobile Phone Examiner Plus (MPE+) 4.6.0.2		
Case	SPT-10 Acquire mobile device internal memory and review reported stand-	
Summary:	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	OS: WIN XP v5.1.2600	
Setup:	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	OS: WIN XP v5.1.2600		
Setup:	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 SPT-CA-28 Acquisition of Internet-related data.	Actual Result 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	SPT-13 Acquire mobile device internal memory by selecting a combination of		
Summary:	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	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by MPE+		
Highlights:	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 SPI	-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	SPT-15 Attempt acquisition of a nonsupported SIM.		
Summary:			
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	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by MPE+		
Highlights:	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)

	, , , , , , , , , , , , , , , , , , ,	
	-16 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case	SPT-16 Begin SIM acquisition and interrupt connectivity by interface	
Summary:	disengagement.	
Assertions:	SPT-AO-03 If a cellular forensic tool loses connectivit	•
	reader, then the tool shall notify the user that connec	tivity has been
	disrupted.	
Tester Name:	rpa	
Test Host:	p630542	
Test Date:	Mon Feb 13 10:21:59 EST 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by MPE+	
Highlights:	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 successfu	1
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-	se SPT-17 Mobile Phone Examiner Plus (MPE+) 4.6.0.2		
Case	SPT-17 Acquire SIM memory and review reported subscriber- and equipment-		
Summary:	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	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by MPE+		
Highlights:	Acquisition started: Mon Feb 13 10		
	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-A0-04 Acquisition of SPN.	as expected	
	SPT-A0-05 Acquisition of ICCID.	as expected	
	SPT-A0-06 Acquisition of IMSI.	as expected	
	SPT-A0-07 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	SPT-18 Acquire SIM memory and review reported Abbreviated Dialing Numbers
Summary:	(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	OS: WIN XP v5.1.2600
Setup:	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 r	eported.
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	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log Highlights:	Created by MPE+ Acquisition started: Mon Feb 13 10:47:25 EST 201 Acquisition finished: Mon Feb 13 10:48:40 EST 20 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	SPT-20 Acquire SIM memory and review reported text messages (SMS, EMS).		
Summary:			
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-A0-15 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., react text messages shall be presented in a useable format. SPT-AO-18 If a cellular forensic tool completes acquisition SIM without error, then the corresponding sender / recipient for text messages shall be presented in a useable format.	of the target
Tester Name:	rpa	
Test Host:	p630542	
Test Date:	Mon Feb 13 10:51:32 EST 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	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 date/time stamps.	as expected
	SPT-AO-18 Acquisition of sender/recipient phone number	as expected
	associated with text messages.	ab 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 SIM without error, then deleted text messages that have not 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	OS: WIN XP v5.1.2600	
Setup:	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-A0-19 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	SPT-22 Acquire SIM memory and review reported location-related data (i.e.,			
Summary:	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	OS: WIN XP v5.1.2600			
Setup:	Interface: USB			
Log	Created by MPE+			
Highlights:	Acquisition started: Mon Feb 13 11:04:25 EST 201			
	Acquisition finished: Mon Feb 13 11:06:48 EST 20	12		
	LOCI data was acquired GPRSLOCI data was acquired			
Results:				
	Assertion & Expected Result Actual Result			
	SPT-AO-20 Acquisition of LOCI information.	as expected		
	SPT-A0-21 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	OS: WIN XP v5.1.2600
Setup:	Interface: USB
Log	Created by MPE+
Highlights:	Acquisition started: Mon Feb 13 11:07:13 EST 2012
	Acquisition finished: Mon Feb 13 11:09:44 EST 2012

Test Case SI	PT-23 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
	Individual data element acquisition was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-A0-01 SIM connectivity via supported interfaces.	as expected
	SPT-A0-22 Acquire-All data objects acquisition.	as expected
	SPT-AO-23 Select-All data objects acquisition.	as expected
	SPT-A0-24 Select-Individual data objects acquisition.	as expected
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	OS: WIN XP v5.1.2600	
Setup:	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:		
	Assertion & Expected Result	Actual Result
	SPT-AO-25 Comparison of known device data elements via generated reports.	as expected
<u> </u>		
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	SPT-25 Acquire mobile device internal memory and review reported data via	
Summary:	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	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by MPE+	
Highlights:	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:		
	Assertion & Expected Result	Actual Result
	SPT-AO-26 Comparison of known device data elements via preview pane.	as expected
Analysis:	Expected results achieved	

5.2.25 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 supporeport formats.	rted generated
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition without error, then the tool shall present the acquired data 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:	Assertion & Expected Result	Actual Result
	SPT-AO-25 Comparison of known device data elements via generated reports.	as expected
Analysis:	Expected results achieved	

5.2.26 SPT-27 (iPhone4 GSM)

Test Case SPT	-27 Mobile Phone Examiner Plus (MPE+) 4.6.0.2
Case	SPT-27 Acquire SIM memory and review reported data via the preview pane.
Summary:	
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	OS: WIN XP v5.1.2600
Setup:	Interface: USB
Log	Created by MPE+
Highlights:	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	as expected
	preview pane.	
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 shall provide the examiner with the opportunity to acquisition.	
Tester Name:	rpa	
Test Host:	p630542	
Test Date:	Mon Feb 13 12:31:27 EST 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	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 acq	
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-	Test Case SPT-29 Mobile Phone Examiner Plus (MPE+) 4.6.0.2		
Case	SPT-29 After a successful mobile device internal memory	, alter the case	
Summary:	file via third-party means and attempt to reopen the ca	ase.	
Assertions:	SPT-AO-27 If the case file or individual data objects a third-party means, then the tool shall provide protectidisallowing or reporting data modification.		
Tester Name:	rpa		
Test Host:	p630542		
Test Date:	Mon Feb 13 12:36:31 EST 2012		
Device:	iPhone4_GSM		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by MPE+		
Highlights:	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 success	sful	
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	SPT-30 After a successful SIM acquisition, alter the c	ase file via third-
Summary:	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 protect	ion 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	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by MPE+	
Highlights:	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 readability.	for
Assertions:	SPT-AO-31 If the cellular forensic tool supports a physical the target device, then the tool shall complete the acquisit 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 succe	essful
Results:	Assertion & Expected Result SPT-AO-31 Physical acquisition, data is presented in a useable format.	Actual Result as expected
Analysis:	Expected results achieved	

5.2.31 SPT-32 (iPhone4 GSM)

	7-32 (IFIIOIIE4 GSIVI) 7-32 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case Case SPI	SPT-32 Perform a physical acquisition and review reports for	. magarramahla
	deleted data.	recoverable
Summary:		
Assertions:	SPT-AO-32 If the cellular forensic tool supports the interpretable address back entries present on the target device, then the	
	address book entries present on the target device, then the report recoverable active and deleted data or address book	
	a useable format.	data reminants in
	SPT-A0-33 If the cellular forensic tool supports the interpr	cotation of
	calendar, tasks, or notes present on the target device, the	
	report recoverable active and deleted calendar, tasks, or no	
	remnants in a useable format.	occ data
	SPT-AO-34 If the cellular forensic tool supports the interpr	retation of call
	logs present on the target device, then the tool shall report	
	active and deleted call or call log data remnants in a useal	
	SPT-AO-35 If the cellular forensic tool supports the interpr	
	messages present on the target device, then the tool shall in	report
	recoverable active and deleted SMS messages or SMS message	_
	a useable format.	
	SPT-AO-36 If the cellular forensic tool supports the interpr	retation of EMS
	messages present on the target device, then the tool shall in	report
	recoverable active and deleted EMS messages or EMS message	-
	a useable format.	
	SPT-AO-37 If the cellular forensic tool supports the interp	retation of
	audio files present on the target device, then the tool shall	ll report
	recoverable active and deleted audio data or audio file data	a remnants in a
	useable format.	
	SPT-AO-38 If the cellular forensic tool supports the interp	retation of
	graphic files present on the target device, then the tool sl	
	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 interpr	
	video files present on the target device, then the tool sha	
	recoverable active and deleted video file data or video file	e data remnants
	in a useable format.	
Tester	rpa	
Name:		
Test Host:	p630542	
Test Date:	Mon Feb 13 14:22:03 EST 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by MPE+	
Highlights:	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	
Results:		
	Assertion & Expected Result	Actual
		Result
	SPT-AO-32 Physical acquisition, recovery of deleted	as expected
	address book entries.	as expected
	, , aaaa aaa waa waa waa aa aa aa aa aa aa	1
		as expected
	SPT-AO-33 Physical acquisition, recovery of deleted PIM	as expected
	SPT-AO-33 Physical acquisition, recovery of deleted PIM data.	_
	SPT-AO-33 Physical acquisition, recovery of deleted PIM data. SPT-AO-34 Physical acquisition, recovery of deleted call	as expected
	SPT-AO-33 Physical acquisition, recovery of deleted PIM data.	_

Test Case SPT-	32 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
	messages.	
	SPT-AO-36 Physical acquisition, recovery of deleted EMS	as expected
	messages.	
	SPT-AO-37 Physical acquisition, recovery of deleted stand-	as expected
	alone audio files.	
	SPT-AO-38 Physical acquisition, recovery of deleted	as expected
	graphic files.	
	SPT-AO-39 Physical acquisition, recovery of deleted video	as expected
	files.	
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	SPT-33 Acquire mobile device internal memory and review data	a containing
Summary:	non-ASCII characters.	
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of characters, then the application should present address book their native format. SPT-AO-41 If the cellular forensic tool supports proper displayed their native format. ASCII characters, then the application should present text their native format.	k entries in play of non-
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-A0-40 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	SPT-34 Acquire SIM memory and review data containing non-ASCII characters.
Summary:	
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	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
_		
Log	Created by MPE+	
Highlights:	Acquisition started: Mon Feb 13 12:47:34 EST 2012	
	Acquisition finished: Mon Feb 13 12:48:33 EST 2012	
	New ACCIT, ADM come world allow a midwell	
	Non-ASCII ADN were partially acquired	- 3
	Non-ASCII text messages were acquired and properly display	ea
	Notes:	
	The contact entry: Aurélien was not reported. The following	ng error message
	occurred: An error occurred while decoding text. An invalid	-
	found in text.	a character was
	Today III conc.	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-A0-40 Acquisition of non-ASCII address book	Not as
	entries/ADN.	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	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	OS: WIN XP v5.1.2600		
Setup:	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	SPT-36 Begin acquisition on a SIM whose PIN attempts have been exhausted to	
Summary:	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	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by MPE+		
Highlights:	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 displa	yed	
_			
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	SPT-38 Acquire mobile device internal memory and review hash	values for	
Summary:	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	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by MPE+		
Highlights: 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	l 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	as expected	
	consistency.		
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	SPT-39 Acquire SIM memory and review hash values for vendor supported data	
Summary:	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	OS: WIN XP v5.1.2600	
Setup:	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 acquirelements Notes: A hash is generated for the overall case.	red SIM data
Results:		
	Assertion & Expected Result	Actual Result
	SPT-A0-43 Acquire data, check known hash values for consistency.	as expected
	Company.	
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	SPT-40 Acquire mobile device internal memory and review d	ata containing GPS	
Summary:	longitude and latitude coordinates.		
Assertions:	SPT-AO-44 If the cellular forensic tool supports acquisit		
	then the tool shall present the user with the longitude at	nd 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	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by MPE+		
Highlights:	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-A0-44 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	SPT-01 Acquire mobile device internal memory over tool-supported interfaces	
Summary:	(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	

Test Case SPT	-01 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
	generated report. SPT-CA-29 If a cellular forensic tool provides the user with a All" device data objects acquisition option, then the tool shat the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a individual device data objects, then the tool shall complete acquisition of all individually selected data objects without SPT-CA-31 If a cellular forensic tool provides the user with "Select Individual" device data objects for acquisition, then shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive acquisitions of the target device without error, then the pay objects) on the mobile device shall remain consistent.	all complete a "Select All" the error. the ability to the tool we logical
Tester Name:	rpa	
Test Host:	p630542	
Test Date:	Wed Feb 15 07:17:47 EST 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	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	
Daniel Land		
Results:	Assertion & Expected Result	Actual Result
	SPT-CA-01 Device connectivity via supported interfaces.	as expected
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
	SPT-CA-29 Acquire-All data objects acquisition.	as expected
	SPT-CA-30 Select-All data objects acquisition.	as expected
	SPT-CA-31 Select-Individual data objects acquisition.	as expected
	SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.	as expected
Analysis:	Expected results achieved	

5.2.40 SPT-02 (BlackBerry Torch)

Test Case SPT-	-02 Mobile Phone Examiner Plus (MPE+) 4.6.0.2
Case	SPT-02 Attempt internal memory acquisition of a nonsupported mobile device.
Summary:	
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:	Wed Feb 15 07:23:58 EST 2012
Device:	unsupported_device
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by MPE+
Highlights:	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
Results:	

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 SDT.	-03 Mobile Phone Examiner Plus (MPE+) 4.6.0.2		
	, , , , , , , , , , , , , , , , , , , ,		
Case	SPT-03 Begin mobile device internal memory acquisition and interrupt		
Summary:	connectivity by interface disengagement.		
Assertions:	SPT-CA-03 If connectivity between the mobile device and ce		
	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	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by MPE+		
Highlights:	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	
	The second of device dequipment diproperties.	and only of the	
Analysis:	Expected results achieved		
*	_		

5.2.42 SPT-04 (BlackBerry Torch)

Test Case SPI	T-04 Mobile Phone Examiner Plus (MPE+) 4.6.0.2		
Case	SPT-04 Acquire mobile device internal memory and review repo	orted data via	
Summary:	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	rpa		
Name:			
Test Host:	p630542		
Test Date:	Wed Feb 15 07:29:18 EST 2012		
Device:	BlackBerry_Torch		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by MPE+		
Highlights:	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	L	
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected	

Test Case SP	T-04 Mobile Phon	e Examiner Pl	lus (MPE+)	4.6.0.2
			•	
Analysis:	Expected resul	ts 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 mem and equipment-related information (e.g.,	
Assertions:	SPT-CA-05 If a cellular forensic tool complete device without error, then subscriber-relapresented in a useable format. SPT-CA-06 If a cellular forensic tool complete without error, then equipment-relaping a useable format.	ated information shall be
Tester Name:	rpa	
Test Host:	p630542	
Test Date:	Wed Feb 15 07:33:51 EST 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 07:33:51 Acquisition finished: Wed Feb 15 07:37:31 Subscriber- and equipment-related data (i	EST 2012
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	SPT-06 Acquire mobile device internal memory and review reported PIM-
Summary:	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	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by MPE+	
Highlights:	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	red
	Basic PIM-related data was not acquired	ca
	Maximum length PIM-related data was not acquired	
	Notes:	
	The following data elements were selected for acquisition: Pl	nonebook, Call
	History, Calendar, SMS, File System, Emails.	
Results:	MPE+ reported the following message after acquisition: Unretainthese data views (Calendar) will not be avilable, because eight did not contain the data or did not allow extraction.	
Results:	Denotice & Denoted Denote	3 -4 3
	Assertion & Expected Result	Actual Result
	CDW Ch 07 hamisition of adduces hash entries	
	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	Not as
	book entries.	expected
	SPT-CA-13 Acquisition of PIM data (i.e.,	Not as
	datebook/calendar, notes).	expected
	SPT-CA-14 Acquisition of maximum length PIM data.	Not as
	DFT-CA-IT ACQUISICION OF MAXIMUM TENGEN FIM data.	expected
		capected
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	SPT-07 Acquire mobile device internal memory and review reported call logs.	
Summary:		
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	rpa	
Name:		
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	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by MPE+	
Highlights:	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 Ca	
	Date/Time Stamps incorrectly reported for Outgoing Ca	
	Date/Time Stamps incorrectly reported for Missed Call	S
Results:	Notes: The following data elements were selected for acquising History, Calendar, SMS, File System, Emails. MPE+ report message after acquisition: Unretrieved Data - These days will not be available, because either the device did add not allow extraction.	orted the following ata views (Call Logs)
Results.	Aggraphics C Bronnelled Dogult	Jetus I Parult
	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	SPT-08 Acquire mobile device internal memory and review reported text	
Summary:	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	OS: WIN XP v5.1.2600	
Setup:	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	

	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	SPT-13 Acquire mobile device internal memory by selecting a combination of	
Summary:	supported data elements.	
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user All" device data objects acquisition option, then the t the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user All" individual device data objects, then the tool shal acquisition of all individually selected data objects w SPT-CA-31 If a cellular forensic tool provides the user "Select Individual" device data objects for acquisition shall acquire each exclusive data object without error.	ool shall complete with an "Select l complete the ithout error. with the ability to , then the tool
Tester Name:	rpa	
Test Host:	p630542	
Test Date:	Wed Feb 15 08:16:53 EST 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by MPE+	
Highlights:	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	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by MPE+	
Highlights:	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 inter	face
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	SPT-15 Attempt acquisition of a nonsupported SIM.		
Summary:			
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	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by MPE+		
Highlights:	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	SPT-16 Begin SIM acquisition and interrupt connectivity by interface
Summary:	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	OS: WIN XP v5.1.2600
Setup:	Interface: USB
Log	Created by MPE+
Highlights:	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 successfu	1
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-03 Notification of SIM acquisition disruption.	as expected
		<u> </u>
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	SPT-17 Acquire SIM memory and revi	ew reported subscriber- and equipment-	
Summary:	related information (i.e., SPN, ICCID, IMSI, MSISDN).		
Assertions:	SIM without error, then the SPN sh SPT-AO-05 If a cellular forensic t SIM without error, then the ICCID SPT-AO-06 If a cellular forensic t SIM without error, then the IMSI s SPT-AO-07 If a cellular forensic t	ool completes acquisition of the target all be presented in a useable format. ool completes acquisition of the target shall be presented in a useable format. ool completes acquisition of the target hall be presented in a useable format. ool completes acquisition of the target 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	OS: WIN XP v5.1.2600		
Setup:	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:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-04 Acquisition of SPN.	as expected	
	SPT-A0-05 Acquisition of ICCID.	as expected	
	SPT-A0-06 Acquisition of IMSI.	as expected	
	SPT-AO-07 Acquisition of MSISDN.	as expected	
Analysis:	Expected results achieved		
11131/010	Inposted repared defireved		

5.2.52 SPT-18 (BlackBerry Torch)

Test Case SPT-	-18 Mobile Phone Examiner Plus (MPE+) 4.6.0.2
Case	SPT-18 Acquire SIM memory and review reported Abbreviated Dialing Numbers
Summary:	(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	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 09:26:53 EST 2012		
inigiiii giicb	Acquisition finished: Wed Feb 15 09:29:00 EST 201		
	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 r	eported.	
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	SPT-19 Acquire SIM memory and review reported Last Numbers Dialed (LND).		
Summary:			
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	_	
	SIM without error, then the corresponding date/t	ime 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	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
_			
Log	Created by MPE+		
Highlights:	Acquisition started: Wed Feb 15 09:30:49 EST 201		
	Acquisition finished: Wed Feb 15 09:32:33 EST 20	12	
	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	
		<u> </u>	
Analysis:	Expected results achieved		

5.2.54 SPT-20 (BlackBerry Torch)

Test Case SPT	-20 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case	SPT-20 Acquire SIM memory and review reported text messages (SMS, EMS).
Summary:		
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 SIM without error, then the corresponding date/time stamps for messages shall be presented in a useable format. SPT-AO-17 If a cellular forensic tool completes acquisition of SIM without error, then the corresponding status (i.e., read, text messages shall be presented in a useable format. SPT-AO-18 If a cellular forensic tool completes acquisition of SIM without error, then the corresponding sender / recipient for text messages shall be presented in a useable format.	or all text of the target unread) for
Tester Name:	rpa	
Test Host:	p630542	
Test Date:	Wed Feb 15 09:35:15 EST 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	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	
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	

5.2.55 SPT-21 (BlackBerry Torch)

Test Case SPT	-21 Mobile Phone Examiner Plus (MPE+) 4.6.0.2
Case	SPT-21 Acquire SIM memory and review recoverable deleted text messages
Summary:	(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:	Wed Feb 15 09:39:09 EST 2012
Device:	BlackBerry_Torch
Source	OS: WIN XP v5.1.2600
Setup:	Interface: USB
Log	Created by MPE+

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-A0-19 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	SPT-22 Acquire SIM memory and review reported lo	cation-related data (i.e.,	
Summary:	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	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by MPE+		
Highlights:	Acquisition started: Wed Feb 15 09:43:25 EST 201		
	Acquisition finished: Wed Feb 15 09:45:49 EST 20	12	
	7.007 1.		
	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	
		<u>,</u>	
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	SPT-23 Acquire SIM memory by selecting a combination of supported data
Summary:	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 SPI	-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	OS: WIN XP v5.1.2600	
Setup:	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-A0-22 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	SPT-24 Acquire mobile device internal memory and review report	rted data via
Summary:	supported generated report formats.	
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the target	
	device without error, then the tool shall present the acquire	ed 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	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by MPE+	
Highlights:	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 v	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	SPT-25 Acquire mobile device internal memory and review reported data via	
Summary:	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	OS: WIN XP v5.1.2600	
Setup:	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	SPT-26 Acquire SIM memory and review reported data via suppor	rted generated
Summary:	report formats.	
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition without error, then the tool shall present the acquired data 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	OS: WIN XP v5.1.2600	
Setup:	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	SPT-27 Acquire SIM memory and review reported data via the preview pane.
Summary:	
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	OS: WIN XP v5.1.2600		
Setup:	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 SPT-AO-28 Acquisition of password protected SIM.	Actual Result 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	SPT-29 After a successful mobile device internal memory, alter the case	
Summary:	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	OS: WIN XP v5.1.2600	
Setup:	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 success	sful
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	SPT-30 After a successful SIM acquisition, alter the c	ase file via third-
Summary:	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 protect	ion 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	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by MPE+	
Highlights:	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)

SPT-33 Acquire mobile device internal memory and review data containing
non-ASCII characters.
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.
rpa
p630542
Wed Feb 15 10:10:25 EST 2012
BlackBerry_Torch
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 SPT-AO-40 Acquisition of non-ASCII address book entries/ADN. SPT-AO-41 Acquisition of non-ASCII text messages.	Actual Result as expected 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	SPT-34 Acquire SIM memory and review data containing non-ASCII characters.		
Summary:			
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	OS: WIN XP v5.1.2600		
Setup:	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	Not as	
	entries/ADN.	expected 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	SPT-35 Begin acquisition on a PIN-protected SIM to determine if the tool	
Summary:	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	OS: WIN XP v5.1.2600	
Setup:	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 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 determine if the tool provides an accurate count of the PUK attempts and if the PUK attempts are decremented incorrect value.	he remaining number of when entering an
Assertions:	SPT-AO-30 If a cellular forensic tool provides the ex remaining number of PUK attempts, then the application 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	OS: WIN XP v5.1.2600	
Setup:	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 displa	yed
Results:	Aggerties C Eurogted Regult	Actual Result
	Assertion & Expected 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	SPT-38 Acquire mobile device internal memory and review hash values for	
Summary:	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	OS: WIN XP v5.1.2600	
Setup:	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 elements Notes: A hash is generated for the overall case.	d device data
Results:		
	Assertion & Expected Result	Actual Result
	SPT-A0-43 Acquire data, check known hash values for consistency.	as expected
Analysis:	Expected results achieved	

5.2.70 SPT-39 (BlackBerry Torch)

	to the control of the	
Test Case SPT	-39 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case	SPT-39 Acquire SIM memory and review hash values for vendor suppor	ted data
Summary:	objects.	
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for indiv data objects, then the tool shall present the user with a hash val each supported data object.	
Tester Name:	rpa	
Test Host:	p630542	
Test Date:	Wed Feb 15 10:21:08 EST 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by MPE+ Acquisition started: Wed Feb 15 10:21:08 EST 2012	
3 3	Acquisition finished: Wed Feb 15 10:29:17 EST 2012	
	Hash values were properly reported for individually acquired SIM d elements	ata
	Notes:	
	A hash is generated for the overall case.	
Results:		
	Assertion & Expected Result Actu	
	SPT-AO-43 Acquire data, check known hash values for as ex consistency.	pected
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	SPT-01 Acquire mobile device internal memory over tool-supported interfaces
Summary:	(e.g., cable, Bluetooth, IrDA).

Test Case SPT-01 Mobile Phone Examiner Plus (MPE+) 4.6.0.2		
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for conthe target device, then the tool shall successfully recognize device via all vendor supported interfaces (e.g., cable, Bluet SPT-CA-04 If a cellular forensic tool completes acquisition of device without error, then the tool shall have the ability to acquired data objects in a useable format via either a preview generated report. SPT-CA-29 If a cellular forensic tool provides the user with All" device data objects acquisition option, then the tool shall have the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without SPT-CA-31 If a cellular forensic tool provides the user with the "Select Individual" device data objects for acquisition, then shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive acquisitions of the target device without error, then the paylobjects) on the mobile device shall remain consistent.	the target tooth, IrDA). f the target present w pane or an "Acquire all complete a "Select All" the error. the ability to the tool we logical
Tester	rpa	
Name:		
Test Host:	p630542	
Test Date:	Thu Feb 16 06:51:52 EST 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	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	
Results:	Assertion & Expected Result	Actual
	The second and the se	Result
	SPT-CA-01 Device connectivity via supported interfaces.	as expected
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
	SPT-CA-29 Acquire-All data objects acquisition.	as expected
	SPT-CA-30 Select-All data objects acquisition.	as expected
	SPT-CA-31 Select-Individual data objects acquisition.	as expected
	SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.	as expected
Programme and	Provided and the seld and	
Analysis:	Expected results achieved	

5.2.72 SPT-02 (Nokia 6350)

Test Case SPT-	-02 Mobile Phone Examiner Plus (MPE+) 4.6.0.2
Case	SPT-02 Attempt internal memory acquisition of a nonsupported mobile device.
Summary:	
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:	Thu Feb 16 06:57:24 EST 2012
Device:	unsupported_device
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by MPE+
Highlights:	Acquisition started: Thu Feb 16 06:57:24 EST 2012

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 successf	ul
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	SPT-03 Begin mobile device internal memory acquisition and interrupt	
Summary:	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	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by MPE+	
Highlights:	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	SPT-04 Acquire mobile device internal memory and review reported data via
Summary:	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	rpa
Name:	
Test Host:	p630542
Test Date:	Thu Feb 16 07:24:04 EST 2012
Device:	Nokia6350
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by MPE+
Highlights:	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
	neddasiiis, and sompissonss of asquired 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	<u> </u>

5.2.75 SPT-05 (Nokia 6350)

Test Case SPT-	-05 Mobile Phone Examiner Plus (MPE+) 4.6.0	.2	
Case	SPT-05 Acquire mobile device internal memory and review reported		
Summary:	subscriber- and equipment-related information (e.g., IMEI/MEID/ESN,		
	MSISDN).		
Assertions:	SPT-CA-05 If a cellular forensic tool com	pletes acquisition of the target	
	device without error, then subscriber-rela	ated information shall be	
	presented in a useable format.		
	SPT-CA-06 If a cellular forensic tool com		
	device without error, then equipment-rela	ted 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	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by MPE+		
Highlights:	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	SPT-06 Acquire mobile device internal memory and review reported PIM-
Summary:	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

	-06 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
1	shall be presented in a useable format.	
	SPT-CA-13 If a cellular forensic tool completes acquisition of	of the target
	device without error, then datebook, calendar, note entries s	shall be
	presented in a useable format.	
	SPT-CA-14 If a cellular forensic tool completes acquisition of	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:	Thu Feb 16 07:31:44 EST 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by MPE+	
Highlights:	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	
	Notes:	
	Out of a total of seven address book entries active on the no	
		okia 6350
	device, only one address book entry was reported.	okia 6350
D1 +		okia 6350
Results:	device, only one address book entry was reported.	
Results:		Actual
Results:	device, only one address book entry was reported. Assertion & Expected Result	Actual Result
Results:	Assertion & Expected Result SPT-CA-07 Acquisition of address book entries.	Actual Result as expected
Results:	Assertion & Expected Result SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book	Actual Result as expected Not as
Results:	Assertion & Expected Result SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries.	Actual Result as expected
Results:	Assertion & Expected Result SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing	Actual Result as expected Not as expected Not as
Results:	device, only one address book entry was reported. Assertion & Expected Result SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing special characters.	Actual Result as expected Not as expected Not as expected
Results:	Assertion & Expected Result SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing special characters. SPT-CA-10 Acquisition of address book entries containing a	Actual Result as expected Not as expected Not as expected Not as expected
Results:	Assertion & Expected Result SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing special characters. SPT-CA-10 Acquisition of address book entries containing a blank name entry.	Actual Result as expected Not as expected Not as expected
Results:	Assertion & Expected Result SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing special characters. SPT-CA-10 Acquisition of address book entries containing a blank name entry. SPT-CA-11 Acquisition of embedded email addresses within	Actual Result as expected Not as expected Not as expected Not as expected
Results:	Assertion & Expected Result SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing special characters. SPT-CA-10 Acquisition of address book entries containing a blank name entry. SPT-CA-11 Acquisition of embedded email addresses within address book entries.	Actual Result as expected Not as expected Not as expected Not as expected
Results:	Assertion & Expected Result SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing special characters. SPT-CA-10 Acquisition of address book entries containing a blank name entry. SPT-CA-11 Acquisition of embedded email addresses within	Actual Result as expected Not as expected Not as expected Not as expected
Results:	Assertion & Expected Result SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing special characters. SPT-CA-10 Acquisition of address book entries containing a blank name entry. SPT-CA-11 Acquisition of embedded email addresses within address book entries.	Actual Result as expected Not as expected Not as expected Not as expected as expected
Results:	Assertion & Expected Result SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing special characters. SPT-CA-10 Acquisition of address book entries containing a blank name entry. SPT-CA-11 Acquisition of embedded email addresses within address book entries. SPT-CA-12 Acquisition of embedded graphics within address	Actual Result as expected Not as expected Not as expected Not as expected as expected
Results:	Assertion & Expected Result SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing special characters. SPT-CA-10 Acquisition of address book entries containing a blank name entry. SPT-CA-11 Acquisition of embedded email addresses within address book entries. SPT-CA-12 Acquisition of embedded graphics within address book entries.	Actual Result as expected Not as expected Not as expected Not as expected as expected as expected as expected
Results:	Assertion & Expected Result SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing special characters. SPT-CA-10 Acquisition of address book entries containing a blank name entry. SPT-CA-11 Acquisition of embedded email addresses within address book entries. SPT-CA-12 Acquisition of embedded graphics within address book entries. SPT-CA-13 Acquisition of PIM data (i.e.,	Actual Result as expected Not as expected Not as expected Not as expected as expected as expected as expected
Results:	Assertion & Expected Result SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing special characters. SPT-CA-10 Acquisition of address book entries containing a blank name entry. SPT-CA-11 Acquisition of embedded email addresses within address book entries. SPT-CA-12 Acquisition of embedded graphics within address book entries. SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	Actual Result as expected Not as expected Not as expected Not as expected as expected as expected as expected as expected
Results:	Assertion & Expected Result SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing special characters. SPT-CA-10 Acquisition of address book entries containing a blank name entry. SPT-CA-11 Acquisition of embedded email addresses within address book entries. SPT-CA-12 Acquisition of embedded graphics within address book entries. SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	Actual Result as expected Not as expected Not as expected Not as expected as expected as expected as expected as expected

5.2.77 SPT-07 (Nokia 6350)

Test Case SPT	-07 Mobile Phone Examiner Plus (MPE+) 4.6.0.2
Case	SPT-07 Acquire mobile device internal memory and review reported call logs.
Summary:	
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:	Thu Feb 16 07:36:40 EST 2012

Test Case SPT	Test Case SPT-07 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	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 acqui: All Call Log date/time stamps data were correctly repo	
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	SPT-08 Acquire mobile device internal memory and review report	ted text
Summary:	messages.	
Assertions:	SPT-CA-17 If a cellular forensic tool completes acquisition of device without error, then ASCII text messages (i.e., SMS, EMS presented in a useable format. SPT-CA-18 If a cellular forensic tool completes acquisition of device without error, then the corresponding date/time stamps messages shall be presented in a useable format. SPT-CA-19 If a cellular forensic tool completes acquisition of device without error, then the corresponding status (i.e., reafor text messages shall be presented in a useable format. SPT-CA-20 If a cellular forensic tool completes acquisition of device without error, then the corresponding sender / recipier numbers for text messages shall be presented in a useable form	E the target for text If the target ad, unread) If the target at phone
Tester Name:	rpa	
Test Host:	p630542	
Test Date:	Thu Feb 16 07:37:46 EST 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Secup.	Interrace. Cable	
Loq	Created by MPE+	
Highlights:	Acquisition started: Thu Feb 16 07:37:46 EST 2012	
3 3	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 message	ges 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	as expected
	associated with text messages.	
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	SPT-09 Acquire mobile device internal memory and review reported MMS multi-	
Summary:	media-related data (i.e., text, audio, graphics, video).	
Assertions:	SPT-CA-21 If a cellular forensic tool completes acquisition device without error, then MMS messages and associated and presented in a useable format. SPT-CA-22 If a cellular forensic tool completes acquisition device without error, then MMS messages and associated graph be presented in a useable format. SPT-CA-23 If a cellular forensic tool completes acquisition device without error, then MMS messages and associated vides presented in a useable format.	n of the target phic files shall on of the target
Tester Name:	rpa	
Test Host:	p630542	
Test Date:	Thu Feb 16 07:41:59 EST 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	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	SPT-10 Acquire mobile device internal memory and review reported stand-
Summary:	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:	Noki a6350
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by MPE+
Highlights:	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:		
	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	

5.2.81 SPT-13 (Nokia 6350)

Test Case SPT	-13 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
Case	SPT-13 Acquire mobile device internal memory by selecting a combination of	
Summary:	supported data elements.	
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user All" device data objects acquisition option, then the t the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user All" individual device data objects, then the tool shal acquisition of all individually selected data objects w SPT-CA-31 If a cellular forensic tool provides the user "Select Individual" device data objects for acquisition shall acquire each exclusive data object without error.	with an "Select l complete the ithout error. with the ability to , then the tool
Tester Name:	rpa	
Test Host:	p630542	
Test Date:	Thu Feb 16 08:16:00 EST 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by MPE+	
Highlights:	Acquisition started: Thu Feb 16 08:16:00 EST 2012	
ļ	Acquisition finished: Thu Feb 16 08:18:32 EST 2012	
	Acquire All acquisition was successful	
Results:		
	Assertion & Expected Result	Actual Result
Į.	SPT-CA-29 Acquire-All data objects acquisition.	as expected
ļ ,	SPT-CA-30 Select-All data objects acquisition.	as expected
Į.	SPT-CA-31 Select-Individual data objects acquisition.	as expected
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	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Tog	Created by MPE+	
Log	•	
Highlights:	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	
	1	
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	OS: WIN XP v5.1.2600		
Setup:	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	SPT-16 Begin SIM acquisition and interrupt connectivity by interface		
Summary:	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	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by MPE+		
Highlights:	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 successfu	1
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-03 Notification of SIM acquisition disruption.	as expected
Analysis:	Expected results achieved	

5.2.85 SPT-17 (Nokia 6350)

Test Case SPT-	SPT-17 Mobile Phone Examiner Plus (MPE+) 4.6.0.2		
Case	SPT-17 Acquire SIM memory and review reported subscriber- and equipment-		
Summary:	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	OS: WIN XP v5.1.2600		
Setup:	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:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-04 Acquisition of SPN.	as expected	
	SPT-A0-05 Acquisition of ICCID.	as expected	
	SPT-A0-06 Acquisition of IMSI.	as expected	
	SPT-AO-07 Acquisition of MSISDN.	as expected	
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	SPT-18 Acquire SIM memory and review reported Abbreviated Dialing Numbers
Summary:	(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	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by MPE+		
Highlights:	Acquisition started: Thu Feb 16 08:35:22 EST 2012		
	Acquisition finished: Thu Feb 16 08:37:49 EST 201	2	
	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:			
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	
	ort no it negatificion of plank name ADM. 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	OS: WIN XP v5.1.2600		
Setup:	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	SPT-20 Acquire SIM memory and review reported text messages (SMS, EMS).	
Summary:			
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 SIM without error, then ASCII EMS text messages shall be presuseable format.	sented in a	
	SPT-AO-16 If a cellular forensic tool completes acquisition of SIM without error, then the corresponding date/time stamps for messages shall be presented in a useable format.	_	
	SPT-AO-17 If a cellular forensic tool completes acquisition of SIM without error, then the corresponding status (i.e., read, text messages shall be presented in a useable format.	_	
	SPT-AO-18 If a cellular forensic tool completes acquisition of SIM without error, then the corresponding sender / recipient 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	OS: WIN XP v5.1.2600		
Setup:	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 messa correctly reported	ages were	
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-A0-18 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	SPT-21 Acquire SIM memory and review recoverable deleted text messages
Summary:	(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	OS: WIN XP v5.1.2600
Setup:	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-A0-19 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	SPT-22 Acquire SIM memory and review reported location-related data (i.e.,		
Summary:	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		
	SIM without error, then location-related data (i	.e., GRPSLOCI) shall be	
	presented in a useable format.		
The set of a Nicola A			
Tester Name:	rpa		
Test Host:	p630542		
Test Date:	Thu Feb 16 08:57:42 EST 2012		
Device:	Nokia6350		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
T = =:	Created by MDE.		
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 08:57:42 EST 201	2	
Highlights.	Acquisition finished: Thu Feb 16 08:59:39 EST 20		
	Acquisition limished. The Feb 16 06.59.39 EST 20	12	
	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	SPT-23 Acquire SIM memory by selecting a combination of supported data
Summary:	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	T-23 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	
	SPT-AO-24 If a cellular forensic tool provides the user "Select Individual" SIM data objects for acquisition, t acquire each exclusive data object without error.	-
Tester	rpa	
Name:		
Test Host:	p630542	
Test Date:	Thu Feb 16 09:00:05 EST 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by MPE+	
Highlights:	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	OS: WIN XP v5.1.2600	
Setup:	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	SPT-25 Acquire mobile device internal memory and review reported data via
Summary:	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	OS: WIN XP v5.1.2600	
Setup:	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 SPT-AO-25 Comparison of known device data elements via generated reports.	Actual Result 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	SPT-27 Acquire SIM memory and review reported data via the preview pane.
Summary:	
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	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by MPE+	
Highlights:	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	as expected
	preview pane.	
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 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	SPT-29 After a successful mobile device internal memory, alter the case	
Summary:	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	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by MPE+		
Highlights:	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 succes	sful	
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	SPT-30 After a successful SIM acquisition, alter the c	ase file via third-
Summary:	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 protect	ion 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	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by MPE+	
Highlights:	Acquisition started: Thu Feb 16 09:20:04 EST 2012	
	Acquisition finished: Thu Feb 16 09:21:46 EST 2012	
	Webisinship of modified GTM data are managed	
	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	SPT-33 Acquire mobile device internal memory and review data containing
Summary:	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	OS: WIN XP v5.1.2600
Setup:	Interface: cable

Test Case SPT	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	SPT-34 Acquire SIM memory and review data containing non-A	SCII characters.
Summary:		
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	OS: WIN XP v5.1.2600	
Setup:	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	
Results:	Non-ASCII text messages were acquired and properly display Notes: The contact entry: Aurélien was not reported. The followi occurred: An error occurred while decoding text. An invalifound in text.	ng error message
Resules.	Assertion & Expected Result	Actual Result
	SPT-AO-40 Acquisition of non-ASCII address book entries/ADN. SPT-AO-41 Acquisition of non-ASCII text messages.	Not as expected as expected
		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	SPT-35 Begin acquisition on a PIN-protected SIM to determine if the tool	
Summary:	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	OS: WIN XP v5.1.2600		
Setup:	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 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	OS: WIN XP v5.1.2600	
Setup:	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 display	yed
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	SPT-38 Acquire mobile device internal memory and review hash values for	
Summary:	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	OS: WIN XP v5.1.2600	
Setup:	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 acquirelements Notes: A hash is generated for the overall case.	ed device data
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)

~	20 11 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		
	-39 Mobile Phone Examiner Plus (MPE+) 4.6.0.2		
Case	SPT-39 Acquire SIM memory and review hash values for vendor supported data		
Summary:	objects.		
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for		
	data objects, then the tool shall present the user with a has	sh 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	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by MPE+		
Highlights:	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	as expected	
	consistency.	-	
		<u>'</u>	
Analysis:	Expected results achieved		

5.2.105 SPT-01 (Motorola Tundra)

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

Test Case SPT	-01 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for content the target device, then the tool shall successfully recognized device via all vendor supported interfaces (e.g., cable, Bluc SPT-CA-04 If a cellular forensic tool completes acquisition of device without error, then the tool shall have the ability to acquired data objects in a useable format via either a previous generated report. SPT-CA-29 If a cellular forensic tool provides the user with All" device data objects acquisition option, then the tool sittle acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with individual device data objects, then the tool shall complete acquisition of all individually selected data objects without SPT-CA-31 If a cellular forensic tool provides the user with "Select Individual" device data objects for acquisition, then shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive acquisitions of the target device without error, then the pay objects) on the mobile device shall remain consistent.	e the target etooth, IrDA). of the target or present ew pane or an "Acquire hall complete a "Select All" the terror. the ability to he the tool live logical
Tester Name:	rpa	
Test Host:	p630542	
Test Date:	Thu Apr 19 10:34:03 EDT 2012	
Device:	Motorola_Tundra	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	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 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 error: 302. The data that was successfully extracted (if any) will be available for viewing.	
Results:		
	Assertion & Expected Result	Actual
		Result
	SPT-CA-01 Device connectivity via supported interfaces.	as expected
	SPT-CA-04 Readability and completeness of acquired data	as expected
	via supported reports.	Not or
	SPT-CA-29 Acquire-All data objects acquisition.	Not as
	GDM GA 20 Galage All data abdages a sundadata	expected
	SPT-CA-30 Select-All data objects acquisition.	Not as expected
	SPT-CA-31 Select-Individual data objects acquisition.	Not as expected
	SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.	as expected
Analysis:	Partial results achieved	
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5.2.106 SPT-02 (Motorola Tundra)

Test Case SPT-	02 Mobile Phone Examiner Plus (MPE+) 4.4.0
Case	SPT-02 Attempt internal memory acquisition of a nonsupported mobile device.
Summary:	
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.

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	OS: WIN XP v5.1.2600			
Setup:	Interface: cable			
Log	Created by MPE+			
Highlights:	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:		1		
	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	SPT-03 Begin mobile device internal memory acquisition and	l interrupt
Summary:	connectivity by interface disengagement.	
Assertions:	SPT-CA-03 If connectivity between the mobile device and ce tool is disrupted, then the tool shall notify the user that has been disrupted.	
Tester Name:	rpa	
Test Host:	p630542	
Test Date:	Thu Apr 19 10:53:04 EDT 2012	
Device:	Motorola_Tundra	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by MPE+	
Highlights:	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 success	ful
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-03 Notification of device acquisition	Not as
	disruption.	expected
Analysis:	Expected results not achieved	

5.2.108 SPT-04 (Motorola Tundra)

Test Case SPI	-04 Mobile Phone Examiner Plus (MPE+) 4.4.0
Case	SPT-04 Acquire mobile device internal memory and review reported data via
Summary:	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	rpa
Name:	
Test Host:	p630542

Test Case SPI	-04 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Test Date:	Thu Apr 19 10:59:25 EDT 2012	
Device:	Motorola_Tundra	
Source	OS: WIN XP v5.1.2600	
Setup:	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	SPT-05 Acquire mobile device internal memo	ory and review reported
Summary:	subscriber- and equipment-related information ${\tt MSISDN)}$.	tion (e.g., IMEI/MEID/ESN,
Assertions:	SPT-CA-05 If a cellular forensic tool complete without error, then subscriber-relapresented in a useable format. SPT-CA-06 If a cellular forensic tool complete without error, then equipment-relation a useable format.	ated information shall be pletes acquisition of the target
Tester Name:	rpa	
Test Host:	p630542	
Test Date:	Thu Apr 19 11:00:43 EDT 2012	
Device:	Motorola_Tundra	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by MPE+ Acquisition started: Thu Apr 19 11:00:43	
	Acquisition finished: Thu Apr 19 11:04:03 Subscriber and Equipment-related data (i.e.	
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	SPT-06 Acquire mobile device internal memory and review reported PIM-
Summary:	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

Test Case Com	-06 Mobile Phone Evaminer Plus (MDE+) 4 4 0	
rest case SPT	-06 Mobile Phone Examiner Plus (MPE+) 4.4.0 device without error, then maximum length address book entries	ac chall bo
	presented in a useable format.	es shall be
	SPT-CA-09 If a cellular forensic tool completes acquisition	of the target
	device without error, then address book entries containing sp	_
	characters shall be presented in a useable format.	PCCIAI
	SPT-CA-10 If a cellular forensic tool completes acquisition of	of the target
	device without error, then address book entries containing b	_
	shall be presented in a useable format.	Latin Hallies
	SPT-CA-11 If a cellular forensic tool completes acquisition of	of the target
	device without error, then email addresses associated with ac	
	entries shall be presented in a useable format.	
	SPT-CA-12 If a cellular forensic tool completes acquisition of	of the target
	device without error, then graphics associated with address h	oook entries
	shall be presented in a useable format.	
	SPT-CA-13 If a cellular forensic tool completes acquisition of	of the target
	device without error, then datebook, calendar, note entries a	shall be
	presented in a useable format.	
	SPT-CA-14 If a cellular forensic tool completes acquisition of	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:	Thu Apr 19 11:04:36 EDT 2012	
Device:	Motorola_Tundra	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by MPE+	
Highlights:	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	-d
	Blank Name Address Book entries were acquired	Σū
	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	
	Notes:	
	Address book entries with fields for a first, middle and last	name were
	reported incorrectly. Only the first name field was reported	i.
Results:		
	Assertion & Expected Result	Actual
	GDT G2 0F 2 1111 C 11	Result
	SPT-CA-07 Acquisition of address book entries.	Not as
	GDT G2 00 2 modeled on 5	expected
	SPT-CA-08 Acquisition of maximum length address book	Not as
	entries. SPT-CA-09 Acquisition of address book entries containing	expected
	1	Not as
	special characters.	expected
	SPT-CA-10 Acquisition of address book entries containing a	as expected
	blank name entry. SPT-CA-11 Acquisition of embedded email addresses within	as expected
	address book entries.	as expected
	SPT-CA-12 Acquisition of embedded graphics within address	as expected
	book entries.	as expected
	SPT-CA-13 Acquisition of PIM data (i.e.,	as expected
	datebook/calendar, notes).	ab expected
	SPT-CA-14 Acquisition of maximum length PIM data.	as expected
		pcccca
1		
Analysis:	Expected results not achieved	

5.2.111 SPT-10 (Motorola Tundra)

Test Case SPT	-10 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case	SPT-10 Acquire mobile device internal memory and revi	ew reported stand-
Summary:	alone multi-media data (i.e., audio, graphics, video)	•
Assertions:	SPT-CA-25 If a cellular forensic tool completes acqui device without error, then stand-alone graphic files a useable format via either an internal application o party application. SPT-CA-26 If a cellular forensic tool completes acqui device without error, then stand-alone video files sh useable format via either an internal application or application.	shall be presented in r suggested third- sition of the target all be presented in a
Tester Name:	rpa	
Test Host:	p630542	
Test Date:	Thu Apr 19 11:19:27 EDT 2012	
Device:	Motorola_Tundra	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by MPE+	
Highlights:	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) w	ere 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	7-13 Mobile Phone Examiner Plus (MPE+) 4.4.0
Case	SPT-13 Acquire mobile device internal memory by selecting a combination of
Summary:	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	rpa
Name:	
Test Host:	p630542
Test Date:	Thu Apr 19 11:22:44 EDT 2012
Device:	Motorola_Tundra
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by MPE+
Highlights:	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 SI	PT-13 Mobile Phone Examiner Plus (MPE+) 4.4.0	
	error: 302. The data that was successfully extracted (i available for viewing.	f any) will be
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-29 Acquire-All data objects acquisition.	Not as expected
	SPT-CA-30 Select-All data objects acquisition.	Not as expected
	SPT-CA-31 Select-Individual data objects acquisition.	Not as expected
Analysis:	Expected results not achieved	

5.2.113 SPT-14 (Motorola Tundra)

Test Case SPI	7-14 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case Summary:	SPT-14 Acquire SIM memory over supported interfaces (e	
Assertions:	SPT-AO-01 If a cellular forensic tool provides support the target SIM, then the tool shall successfully recog via all tool-supported interfaces (e.g., PC/SC reader, Smart phone itself).	nize the target SIM
Tester Name:	rpa	
Test Host:	p630542	
Test Date:	Thu Feb 16 10:07:11 EST 2012	
Device:	Motorola_Tundra	
Source	OS: WIN XP v5.1.2600	
Setup:	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 inter	face
Results:		,
	Assertion & Expected Result	Actual Result
	SPT-AO-01 SIM connectivity via supported interfaces.	as expected
Analysis:	Expected results achieved	

5.2.114 SPT-15 (Motorola Tundra)

Test Case SPT-	-15 Mobile Phone Examiner Plus (MPE+) 4.4.0
Case	SPT-15 Attempt acquisition of a nonsupported SIM.
Summary:	
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	OS: WIN XP v5.1.2600
Setup:	Interface: USB
Log	Created by MPE+
Highlights:	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:		
	Assertion & Expected Result	Actual Result
	SPT-AO-02 Identification of nonsupported SIMs.	as expected
		-
Analysis:	Expected results achieved	

5.2.115 SPT-16 (Motorola Tundra)

Test Case SPT-	-16 Mobile Phone Examiner Plus (MPE+) 4.4.0		
Case	SPT-16 Begin SIM acquisition and interrupt connectivity by interface		
Summary:	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	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by MPE+		
Highlights:	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:			
	Assertion & Expected Result Actual Result		
	SPT-AO-03 Notification of SIM acquisition disruption. as expected		
Analysis:	Expected results achieved		

5.2.116 SPT-17 (Motorola Tundra)

Test Case SPT-	17 Mobile Phone Examiner Plus (MPE+) 4.4.0
Case	SPT-17 Acquire SIM memory and review reported subscriber- and equipment-
Summary:	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:	гра
Test Host:	p630542
Test Date:	Thu Feb 16 10:17:56 EST 2012
Device:	Motorola_Tundra
Source	OS: WIN XP v5.1.2600
Setup:	Interface: USB
Log	Created by MPE+
Highlights:	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-A0-06 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	SPT-18 Acquire SIM memory and review reported Abbreviated Dialing Numbers		
Summary:	(ADN).		
Assertions:	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 ac without error, then ADNs containing special charac in a useable format.	-	
	SPT-AO-11 If a cellular forensic tool completes ac without error, then ADNs containing blank names sh useable format.	-	
Tester Name:	rpa		
Test Host:	p630542		
Test Date:	Thu Feb 16 10:20:21 EST 2012		
Device:	Motorola_Tundra		
Source	OS: WIN XP v5.1.2600		
Setup:	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	SPT-19 Acquire SIM memory and review reported Last Numbers Dialed (LND).
Summary:	

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	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log Highlights:	Created by MPE+ Acquisition started: Thu Feb 16 10:26:19 EST 201 Acquisition finished: Thu Feb 16 10:30:49 EST 20 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	SPT-20 Acquire SIM memory and review reported text messages (SMS, EMS).
Summary:	
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	OS: WIN XP v5.1.2600
Setup:	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

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 te (SMS, EMS).	xt messages
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	OS: WIN XP v5.1.2600	
Setup:	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	SPT-22 Acquire SIM memory and review reported location-related data (i.e.,
Summary:	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	OS: WIN XP v5.1.2600
Setup:	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	SPT-23 Acquire SIM memory by selecting a combination of supported data		
Summary:	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	rpa		
Name:	1 Pa		
Test Host:	p630542		
Test Date:	Thu Feb 16 10:40:51 EST 2012		
Device:	Motorola_Tundra		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by MPE+		
Highlights:	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	
		<u>*</u>	
Analysis:	Expected results achieved		
лицтурть.	Expected reputes defitered		

5.2.123 SPT-24 (Motorola Tundra)

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

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	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
_		
Log	Created by MPE+	
Highlights:	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	as expected
	generated reports.	
Analysis:	Expected results achieved	

5.2.124 SPT-25 (Motorola Tundra)

Test Case SPT	-25 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case	SPT-25 Acquire mobile device internal memory and review repo	rted data via
Summary:	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	OS: WIN XP v5.1.2600	
Setup:	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 s	uccessful
Results:		
	Assertion & Expected Result	Actual Result
	SPT-A0-26 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	SPT-26 Acquire SIM memory and review reported data via supported generated
Summary:	report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error, then the tool shall present the acquired data in a useable format via supported generated report formats.
Tester Name:	rpa

Test 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	OS: WIN XP v5.1.2600	
Setup:	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	s was successful
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-25 Comparison of known device data elements via	as expected
	generated reports.	
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 p	review pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition without error, then the tool shall present the acquired data 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 s	uccessful
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	SPT-28 Attempt acquisition of a password-protected SIM.	
Summary:		
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	OS: WIN XP v5.1.2600	
Setup:	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 acq	
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	SPT-29 After a successful mobile device internal memor	. .
Summary:	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 protect	ion 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	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by MPE+	
Highlights:	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 succes	sful
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	OS: WIN XP v5.1.2600
Setup:	Interface: USB
Log	Created by MPE+
Highlights:	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:		
	Assertion & Expected Result	Actual Result
	SPT-AO-27 Notification of modified device case data.	as expected

5.2.130 SPT-33 (Motorola Tundra)

Test Case SPT	-33 Mobile Phone Examiner Plus (MPE+) 4.4.0		
Case	SPT-33 Acquire mobile device internal memory and review data containing		
Summary:	non-ASCII characters.		
Assertions:	SPT-A0-40 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	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by MPE+		
Highlights: 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:	. 1 0	
	Address book entries containing non-ASCII characters were	e reported as ?	
Results:			
VCDUTICD.	Assertion & Expected Result	Actual Result	
	-	Not as	
	SPT-AO-40 Acquisition of non-ASCII address book entries/ADNs.		
	encries/ADNS.	expected	
Analysis:	Expected results not achieved		
MIGIYSIS.	Expedied results not admirated		

5.2.131 SPT-34 (Motorola Tundra)

Test Case SPT-	-34 Mobile Phone Examiner Plus (MPE+) 4.4.0
Case	SPT-34 Acquire SIM memory and review data containing non-ASCII characters.
Summary:	
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	OS: WIN XP v5.1.2600
Setup:	Interface: USB
Log	Created by MPE+
Highlights:	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 display	red
	Notes: The contact entry: Aurélien was not reported. The followi occurred: An error occurred while decoding text. An invali found in text.	-
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-40 Acquisition of non-ASCII address book	Not as
	entries/ADNs.	expected
	SPT-AO-41 Acquisition of non-ASCII text messages.	as expected
Analysis:	Partial results achieved	

5.2.132 SPT-35 (Motorola Tundra)

Test Case SPT	-35 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case	SPT-35 Begin acquisition on a PIN-protected SIM to determine if the tool	
Summary:	provides an accurate count of the remaining number of PIN attempts and if	
	the PIN attempts are decremented when entering an inc	orrect value.
Assertions:	SPT-AO-29 If a cellular forensic tool provides the examiner with the	
	remaining number of authentication attempts, then the	
	provide an accurate count of the remaining PIN attemp	ts.
Tester Name:	rpa	
Test Host:	p630542	
Test Date:	Thu Feb 16 12:16:43 EST 2012	
Device:	Motorola_Tundra	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by MPE+	
Highlights:	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 di	splayed
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-29 Display remaining number of PIN attempts.	as expected
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	OS: WIN XP v5.1.2600	
Setup:	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 display	yed
Results:	T	
	Assertion & Expected Result	Actual Result
	SPT-AO-30 Display remaining number of PUK attempts.	as expected
Analysis:	Expected results achieved	<u>-</u>

5.2.134 SPT-38 (Motorola Tundra)

Test Case SPT-	-38 Mobile Phone Examiner Plus (MPE+) 4.4.0	
Case	SPT-38 Acquire mobile device internal memory and review hash	values for
Summary:	vendor supported data objects.	
Assertions:	SPT-A0-43 If the cellular forensic tool supports hashing for individual	
	data objects, then the tool shall present the user with a ha	sh 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	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
_		
Log	Created by MPE+	
Highlights:	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	l device data
	elements	
	erements	
	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	as expected
	consistency.	
Analysis:	Expected results achieved	

5.2.135 SPT-39 (Motorola Tundra)

Test Case SPT-39 Mobile Phone Examiner Plus (MPE+) 4.4.0		
Case	SPT-39 Acquire SIM memory and review hash values for vendor supported data	
Summary:	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	T-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 acquielements Notes: A hash is generated for the overall case.	ired SIM data
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	SPT-01 Acquire mobile device internal memory over tool-supported interfaces
Summary:	(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	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	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by MPE+	
Highlights:	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	SPT-03 Begin mobile device internal memory acquisition and interrupt
Summary:	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	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by MPE+
Highlights:	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:		
	Assertion & Expected Result	Actual Result
	SPT-CA-03 Notification of device acquisition disruption.	as expected
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	SPT-04 Acquire mobile device internal memory and review reported data via	
Summary:	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	rpa	
Name:		
Test Host:	p630542	
Test Date:	Tue Feb 28 08:24:47 EST 2012	
Device:	HTC_Thunderbolt	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by MPE+	
Highlights:	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:		
	Assertion & Expected Result	Actual Result
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
Analysis:	Expected results achieved	•

5.2.140 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:			
	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		-

5.2.141 SPT-06 (HTC Thunderbolt)

Tost Cose CDT	106 Mehile Phone Everiner Plus (MDE) 4.6.0.2	
	-06 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	Lad DIM
Case	SPT-06 Acquire mobile device internal memory and review reported PIM-	
Summary:	related data.	
Assertions:	SPT-CA-07 If a cellular forensic tool completes acquisition o	_
	device without error, then address book entries shall be pres	ented in a
	useable format.	C . 1
	SPT-CA-08 If a cellular forensic tool completes acquisition o	
	device without error, then maximum length address book entrie	s shall be
	presented in a useable format.	
	SPT-CA-09 If a cellular forensic tool completes acquisition o	_
	device without error, then address book entries containing sp	ecial
	characters shall be presented in a useable format.	£ +b- +
	SPT-CA-10 If a cellular forensic tool completes acquisition o	_
	device without error, then address book entries containing bl	ank names
	shall be presented in a useable format.	£ -1
	SPT-CA-11 If a cellular forensic tool completes acquisition o	_
	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 o	f 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	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by MPE+	
Highlights:	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:		
	Assertion & Expected Result	Actual
		Result
	SPT-CA-07 Acquisition of address book entries.	as expected
	SPT-CA-08 Acquisition of maximum length address book	as expected
	entries.	
	SPT-CA-09 Acquisition of address book entries containing	as expected
	special characters.	
	SPT-CA-10 Acquisition of address book entries containing a	as expected

Test Case Sl	PT-06 Mobile Phone Examiner Plus (MPE+) 4.6.0.2	1
	blank name entry. SPT-CA-11 Acquisition of embedded email addresses within	as expected
	address book entries.	ab 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	OS: WIN XP v5.1.2600		
Setup:	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	SPT-08 Acquire mobile device internal memory and review reported text
Summary:	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 SPI	-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	OS: WIN XP v5.1.2600	
Setup:	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	as expected
	associated with text messages.	
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	SPT-10 Acquire mobile device internal memory and review reported stand-		
Summary:	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	rpa		
Name:			
Test Host:	p630542		
Test Date:	Tue Feb 28 09:00:31 EST 2012		
Device:	HTC_Thunderbolt		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by MPE+		
Highlights:	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 SPI	-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	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by MPE+	
Highlights:	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	SPT-13 Acquire mobile device internal memory by selecting a combination of					
Summary:	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	OS: WIN XP v5.1.2600					
Setup:	Interface: cable					
Log	Created by MPE+					
Highlights:	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	SPT-24 Acquire mobile device internal memory and review reported data via		
Summary:	supported generated report formats.		
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall present the acquired data in a useable format via supported generated report formats.		
Tester Name:	rpa		
Test Host:	p630542		
Test Date:	Tue Feb 28 09:24:23 EST 2012		
Device:	HTC_Thunderbolt		
Source	OS: WIN XP v5.1.2600		
Setup:	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 of the start of the st	was successful	
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-A0-25 Comparison of known device data elements via generated reports.	as expected	
Analysis:	Expected results achieved	<u> </u>	

5.2.148 SPT-25 (HTC Thunderbolt)

Test Case SPT-25 Mobile Phone Examiner Plus (MPE+) 4.6.0.2			
Case	SPT-25 Acquire mobile device internal memory and review reported data via		
Summary:	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 acquir	red 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	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by MPE+		
Highlights:	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 s	successful	
Results:			
	Assertion & Expected Result	Actual	
		Result	
	SPT-AO-26 Comparison of known device data elements via	as expected	
	preview pane.		

Test Case SP	T-25 Mobile	Phone I	Examiner	Plus	(MPE+)	4.6	6.0.2
Analysis:	Expected	results	achieve	d			

5.2.149 SPT-29 (HTC Thunderbolt)

Test Case SPT	-29 Mobile Phone Examiner Plus (MPE+) 4.6.0.2			
Case	SPT-29 After a successful mobile device internal memory, alter the case			
Summary:	file via third-party means and attempt to reopen the ca	ase.		
Assertions:	SPT-AO-27 If the case file or individual data objects	are modified via		
	third-party means, then the tool shall provide protect.	ion 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	OS: WIN XP v5.1.2600			
Setup:	Interface: cable			
Log	Created by MPE+			
Highlights:	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 success	sful		
Results:				
KESUILS.	Aggention C Emported Regult	Actual Result		
	Assertion & Expected Result			
	SPT-AO-27 Notification of modified device case data.	as expected		
71	Demonstrad consults ashiomed			
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	SPT-33 Acquire mobile device internal memory and review data containing			
Summary:	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	OS: WIN XP v5.1.2600			
Setup:	Interface: cable			
Log	Created by MPE+			
Highlights:	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 of Non-ASCII text messages were acquired and properly displayed			
Results:				
	Assertion & Expected Result	Actual Result		
	SPT-AO-40 Acquisition of non-ASCII address book	as expected		
	entries/ADN.			

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	SPT-38 Acquire mobile device internal memory and review hash values for			
Summary:	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	OS: WIN XP v5.1.2600			
Setup:	Interface: cable			
Log	Created by MPE+			
Highlights:	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	device data		
	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	as expected		
	consistency.			
Analysis:	Expected results achieved			

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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).

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Creating relevant knowledge and tools

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

Dissemination

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

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