

# FEB. 2013 NIJ Special REPORT Test Results for Mobile Device Acquisition Tool: Device Seizure v5.0 build 4582.15907

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	Test Results for Mobile Device Acquisition Tool: Device Seizure v5.0 build 4582.15907
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## NIJ

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## Test Results for Mobile Device Acquisition Tool:

Device Seizure v5.0 build 4582.15907



#### Contents

Introduction	1
How to Read This Report	
1 Results Summary	3
2 Test Case Selection	
3 Results by Test Assertion	
3.1 Device connectivity	45
3.2 Acquisition of subscriber and equipment related information	45
3.3 Acquisition of Personal Information Management (PIM) data	45
3.4 Acquisition of call log data	45
3.5 Acquisition of SMS messages	45
3.6 Acquisition of MMS messages	46
3.7 Acquisition of stand-alone files	46
3.8 Acquisition of application-related data	46
3.9 Acquisition of Internet-related data	46
3.10 Acquisition of text messages containing non-ASCII characters	46
4 Testing Environment	46
4.1 Test computers	46
4.2 Mobile devices	47
4.3 Internal memory data objects	47
4.4 Subscriber Identity Module (SIM) data objects	49
5 Test Results	49
5.1 Test results report key	49
5.2 Test details	50
5.2.1 SPT-01 (iPhone4 GSM)	50
5.2.2 SPT-02 (iPhone4 GSM)	51
5.2.3 SPT-03 (iPhone4 GSM)	51
5.2.4 SPT-04 (iPhone4 GSM)	51
5.2.5 SPT-05 (iPhone4 GSM)	52
5.2.6 SPT-06 (iPhone4 GSM)	53
5.2.7 SPT-07 (iPhone4 GSM)	54
5.2.8 SPT-08 (iPhone4 GSM)	54
5.2.9 SPT-09 (iPhone4 GSM)	55
5.2.10 SPT-10 (iPhone4 GSM)	56
5.2.11 SPT-12 (iPhone4 GSM)	56
5.2.12 SPT-13 (iPhone4 GSM)	57
5.2.13 SPT-14 (iPhone4 GSM)	57
5.2.14 SPT-15 (iPhone4 GSM)	58
5.2.15 SPT-16 (iPhone4 GSM)	58
5.2.16 SPT-17 (iPhone4 GSM)	59
5.2.17 SPT-18 (iPhone4 GSM)	
5.2.18 SPT-19 (iPhone4 GSM)	60
5.2.19 SPT-20 (iPhone4 GSM)	60
5.2.20 SPT-21 (iPhone4 GSM)	61

5.2.21	SDT 22 (Dhomed CSM)	62
5.2.21	SPT-22 (iPhone4 GSM) SPT-23 (iPhone4 GSM)	
5.2.22		
	SPT-24 (iPhone4 GSM)	
5.2.24	SPT-25 (iPhone4 GSM)	
5.2.25	SPT-26 (iPhone4 GSM)	
5.2.26	SPT-27 (iPhone4 GSM)	
5.2.27	SPT-28 (iPhone4 GSM)	
5.2.28	SPT-29 (iPhone4 GSM)	
5.2.29	SPT-30 (iPhone4 GSM)	
5.2.30	SPT-33 (iPhone4 GSM)	
5.2.31	SPT-34 (iPhone4 GSM)	
5.2.32	SPT-35 (iPhone4 GSM)	
5.2.33	SPT-36 (iPhone4 GSM)	
5.2.34	SPT-38 (iPhone4 GSM)	
5.2.35	SPT-39 (iPhone4 GSM)	
5.2.36	SPT-01 (BlackBerry Torch)	
5.2.37	SPT-02 (BlackBerry Torch)	
5.2.38	SPT-03 (BlackBerry Torch)	
5.2.39	SPT-04 (BlackBerry Torch)	
5.2.40	SPT-05 (BlackBerry Torch)	
5.2.41	SPT-06 (BlackBerry Torch)	72
5.2.42	SPT-07 (BlackBerry Torch)	73
5.2.43	SPT-08 (BlackBerry Torch)	73
5.2.44	SPT-09 (BlackBerry Torch)	74
5.2.45	SPT-10 (BlackBerry Torch)	75
5.2.46	SPT-12 (BlackBerry Torch)	75
5.2.47	SPT-13 (BlackBerry Torch)	76
5.2.48	SPT-14 (BlackBerry Torch)	76
5.2.49	SPT-15 (BlackBerry Torch)	77
5.2.50	SPT-16 (BlackBerry Torch)	77
5.2.51	SPT-18 (BlackBerry Torch)	78
5.2.52	SPT-19 (BlackBerry Torch)	78
5.2.53	SPT-20 (BlackBerry Torch)	79
5.2.54	SPT-21 (BlackBerry Torch)	80
5.2.55	SPT-22 (BlackBerry Torch)	
5.2.56	SPT-23 (BlackBerry Torch)	
5.2.57	SPT-24 (BlackBerry Torch)	
5.2.58	SPT-25 (BlackBerry Torch)	
5.2.59	SPT-26 (BlackBerry Torch)	82
5.2.60	SPT-27 (BlackBerry Torch)	
5.2.61	SPT-28 (BlackBerry Torch)	
5.2.62	SPT-29 (BlackBerry Torch)	
5.2.63	SPT-30 (BlackBerry Torch)	
5.2.64	SPT-33 (BlackBerry Torch)	
5.2.65	SPT-34 (BlackBerry Torch)	
5.2.66	SPT-35 (BlackBerry Torch)	
2.2.00	······································	

5.2.67	SPT-36 (BlackBerry Torch)	86
5.2.68	SPT-38 (BlackBerry Torch)	
5.2.69	SPT-39 (BlackBerry Torch)	
5.2.70	SPT-01 (Nokia 6350)	
5.2.71	SPT-14 (Nokia 6350)	
5.2.72	SPT-15 (Nokia 6350)	
5.2.72	SPT-16 (Nokia 6350)	
5.2.73	SPT-17 (Nokia 6350)	
5.2.75	SPT-18 (Nokia 6350)	
5.2.76	SPT-19 (Nokia 6350)	
5.2.77	SPT-20 (Nokia 6350)	
5.2.78	SPT-20 (Nokia 6350)	
5.2.78	SPT-22 (Nokia 6350)	
5.2.80	SPT-22 (Nokia 6350)	
5.2.80	SPT-26 (Nokia 6350)	
5.2.81	SPT-27 (Nokia 6350)	
5.2.82	SPT-27 (Nokia 6350)	
5.2.83	SPT-28 (Nokia 6350)	
5.2.84	SPT-34 (Nokia 6350)	
5.2.85	SPT-35 (Nokia 6350)	
5.2.80	SPT-36 (Nokia 6350)	
5.2.87	SPT-39 (Nokia 6350)	
5.2.89	SPT-01 (iPhone4 CDMA)	
5.2.90	SPT-02 (iPhone4 CDMA)	
5.2.90	SPT-02 (iPhone4 CDMA)	
5.2.91	SPT-04 (iPhone4 CDMA)	
5.2.92	SPT-04 (IPhone4 CDMA)	
5.2.93	SPT-06 (iPhone4 CDMA)	
5.2.94	SPT-07 (iPhone4 CDMA)	
5.2.95	SPT-07 (iPhone4 CDMA)	
5.2.90	SPT-09 (iPhone4 CDMA)	
5.2.97	SPT-10 (iPhone4 CDMA)	
5.2.98	SPT-10 (IPhone4 CDMA)	
5.2.100		
5.2.100	SPT-24 (iPhone4 CDMA)	
5.2.101		
5.2.102		
5.2.103		
5.2.104		
5.2.105		
5.2.100		
5.2.107		
5.2.108		
5.2.109		
5.2.110	SPT-06 (HTC Thunderbolt)	
5.2.111		
J.2.112		. 1 4

50112	$\mathbf{CDT} = 0 \cdot (\mathbf{UTC} \cdot \mathbf{T}_{\text{loc}} + 1_{\text{loc}}) + 1_{\text{loc}} + 1_{\text{loc}}) + 1_{\text{loc}} + $
5.2.113	SPT-08 (HTC Thunderbolt)
5.2.114	SPT-09 (HTC Thunderbolt)
5.2.115	SPT-10 (HTC Thunderbolt)
5.2.116	SPT-11 (HTC Thunderbolt)
5.2.117	SPT-12 (HTC Thunderbolt)
5.2.118	SPT-13 (HTC Thunderbolt)115
5.2.119	SPT-24 (HTC Thunderbolt)116
5.2.120	SPT-25 (HTC Thunderbolt)116
5.2.121	SPT-29 (HTC Thunderbolt)117
5.2.122	SPT-33 (HTC Thunderbolt) 117
5.2.123	SPT-38 (HTC Thunderbolt)
5.2.124	SPT-01 (Palm Pre2)
5.2.125	SPT-02 (Palm Pre2)
5.2.126	SPT-03 (Palm Pre2)
5.2.127	SPT-04 (Palm Pre2)
5.2.128	SPT-05 (Palm Pre2)
5.2.129	SPT-06 (Palm Pre2)
5.2.130	SPT-07 (Palm Pre2)
5.2.131	SPT-08 (Palm Pre2)
5.2.132	SPT-09 (Palm Pre2)
5.2.133	SPT-10 (Palm Pre2)
5.2.134	SPT-11 (Palm Pre2)
5.2.135	SPT-12 (Palm Pre2)
5.2.136	SPT-13 (Palm Pre2)
5.2.137	SPT-24 (Palm Pre2)
5.2.138	SPT-25 (Palm Pre2)
5.2.139	SPT-29 (Palm Pre2)
5.2.140	SPT-38 (Palm Pre2)

## Introduction

The Computer Forensics Tool Testing (CFTT) program is a joint project of the National Institute of Justice (NIJ), the Department of Homeland Security Science and Technology Directorate (DHS S&T), and the National Institute of Standards and Technology Office of Law Enforcement Standards (OLES) and Information Technology Laboratory (ITL). CFTT is supported by other organizations, including the Federal Bureau of Investigation, the U.S. Department of Defense Cyber Crime Center, the U.S. Internal Revenue Service Criminal Investigation Division Electronic Crimes Program, the U.S. Department of Homeland Security's Bureau of Immigration and Customs Enforcement, U.S. Customs and Border Protection, and U.S. Secret Service, the Naval Postgraduate School, the National White Collar Crime Center, the Commodity Futures Trading Commission, the U.S. Postal Service, and the Securities and Exchange Commission. The objective of the CFTT program is to provide measurable assurance to practitioners, researchers, and other applicable users that the tools used in computer forensics investigations provide accurate results. Accomplishing this requires the development of specifications and test methods for computer forensics tools and subsequent testing of specific tools against those specifications.

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

This document reports the results from testing Device Seizure version 5.0 build 4582.15907 against the *Smart Phone Tool Test Assertions and Test Plan*, available at the CFTT Web site (<u>www.cftt.nist.gov/mobile\_devices.htm</u>).

Test results from other tools and the CFTT tool methodology can be found on NIJ's computer forensics tool testing Web

page, http://www.ojp.usdoj.gov/nij/topics/technology/electronic-crime/cftt.htm.

## How to Read This Report

This report is divided into five sections. The first section is a summary of the results from the test runs. This section is sufficient for most readers to assess the suitability of the tool for the intended use. The remaining sections of the report describe how the tests were conducted, discuss any anomalies that were encountered, and provide documentation of test case run details that support the report summary. Section 2 gives justification for the selection of test cases from the set of possible cases defined in the test plan for Smart Phone forensic tools. The test cases are selected, in general, on the basis of features offered by the tool. Section 3 describes in more depth any anomalies summarized in the first section. Section 4 lists hardware and software used to run the test 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:	Device Seizure
Version:	5 build 4582.15907
Run Environment:	Microsoft Windows XP v5.1.2600
Supplier:	Paraben Corporation
Address:	21690 Red Rum Drive Ste 137 Ashburn, VA 20147
Tel: Fax: WWW:	801–796–0944 517–918–4054 http://www.paraben.com

## 1 Results Summary

Device Seizure 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 not established. (Nokia 6350)
- Connectivity during the acquisition ended in errors. (HTC Thunderbolt)

Subscriber and equipment related information:

 Subscriber related information was not reported. (iPhone4 GSM, iPhone4 CDMA, Palm Pre2)

• Equipment-related information was not reported. (iPhone4 CDMA, Palm Pre2) *Personal Information Management (PIM) data*:

- Calendar entries and memos were not reported. (HTC Thunderbolt, Palm Pre2)
- Address book entries were not reported. (Palm Pre2)
- Graphics files associated with contacts were not reported. (iPhone4 GSM, BlackBerry Torch, iPhone4 CDMA)

Call logs:

- Call log data: incoming, outgoing, and missed calls were not acquired. (Palm Pre2)
- Missed calls were categorized as Incoming. (iPhone4 GSM, iPhone4 CDMA)

February 2013

Acquisition of SMS messages:

- Unread text messages were not assigned a status. (iPhone4 GSM, iPhone4 CDMA)
- SMS messages were not reported. (Palm Pre2)

Acquisition of MMS messages:

- MMS messages were not reported. (Palm Pre2)
- MMS attachments: audio, graphic, and video files were not reported. (BlackBerry Torch)
- MMS attachments: audio files were not reported. (iPhone4 GSM, iPhone4 CDMA)
- The textual portion of MMS messages was not reported. (iPhone4 CDMA) *Acquisition of stand-alone files*:
  - Audio and video files were not reported. (iPhone4 GSM, iPhone4 CDMA)
  - Audio, video and graphic files were not reported. (BlackBerry Torch, HTC Thunderbolt, Palm Pre2)

Application-related data:

 Application-related data (e.g., Quickoffice documents) were not acquired. (HTC Thunderbolt, Palm Pre2)

Internet-related data:

• Bookmarks and visited sites were not reported. (Palm Pre2)

Non-ASCII characters:

- Text messages containing the non-ASCII character 'é' were reported as '|'. (BlackBerry Torch)
- Contact entries containing Chinese characters were not reported. (BlackBerry Torch)

Refer to sections 3.1–3.10 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 on the basis of features offered by the tool. Not all test cases or test assertions are appropriate for all tools. There is a core set of base cases that are executed for every tool tested. Tool features guide the selection of additional test cases. If a given tool implements a given feature, then the test cases linked to that feature are run. Tables 1a–1f list the test cases available in Device Seizure. Tables 2a–2f list the test cases not available in Device Seizure.

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	SPT-14

 Table 1a: Selected Test Cases (iPhone4 GSM)

Supported Optional Feature	<b>Cases Selected for Execution</b>
(e.g., 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).	51122
Acquire SIM memory by selecting a combination of	SPT-23
supported data elements.	51 1-25
Acquire mobile device internal memory, and review	SPT-24
reported data via supported/generated report formats.	51 1-24
Acquire mobile device internal memory, and review	SPT-25
reported data via the preview pane.	SF 1-23
Acquire SIM memory, and review reported data via	SPT-26
	SF1-20
supported/generated report formats.	SDT 27
Acquire SIM memory and review reported data via the	SPT-27
preview pane.	CDT 20
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.	

Supported Optional Feature	Cases Selected for Execution
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 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 physical acquisition and review data output for readability.	SPT-31
Perform a physical acquisition and review reports for	SPT-32
recoverable/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 GPS	SPT-40
longitude and latitude coordinates.	

#### Table 1b: Selected Test Cases (BlackBerry Torch)

Supported Optional Feature	<b>Cases Selected for Execution</b>
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 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

Supported Optional Feature	<b>Cases Selected for Execution</b>
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.	
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 2b: Omitted Test Cases (BlackBerry Torch)

Unsupported Optional Feature	Cases Omitted / Not Executed
Acquire mobile device internal memory and review application-	SPT-11
related data (i.e., Word documents, spreadsheet, presentation	
documents).	
Acquire SIM memory and review reported subscriber and equipment-	SPT-17
related information (i.e., SPN, ICCID, IMSI, MSISDN).	
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 1c: Selected Test Cases (Nokia 6350)

Supported Optional Feature	Cases Selected for Execution
Base cases	SPT-01,
Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	SPT-14
Attempt acquisition of a nonsupported SIM.	SPT-15
Begin SIM acquisition, and interrupt connectivity by interface disengagement.	SPT-16
Acquire SIM memory, and review reported subscriber and equipmentrelated information (i.e., SPN, ICCID, IMSI, MSISDN).	SPT-17
Acquire SIM memory, and review reported Abbreviated Dialing Numbers (ADN).	SPT-18
Acquire SIM memory, and review reported Last Numbers Dialed (LND).	SPT-19
Acquire SIM memory, and review reported text messages (SMS, EMS).	SPT-20
Acquire SIM memory, and review recoverable/deleted text messages (SMS, EMS).	SPT-21
Acquire SIM memory, and review reported location-related data (i.e., LOCI, GPRSLOCI).	SPT-22
Acquire SIM memory by selecting a combination of supported data elements.	SPT-23
Acquire SIM memory, and review reported data via supported generated report formats.	SPT-26
Acquire SIM memory, and review reported data via the preview pane.	SPT-27
Attempt acquisition of a password-protected SIM.	SPT-28
After a successful SIM acquisition, alter the case file via third-party means and attempt to reopen the case.	SPT-30
Acquire SIM memory, and review data containing non-ASCII characters.	SPT-34
Begin acquisition on a PIN-protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.	SPT-35
Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.	SPT-36
Acquire SIM memory, and review hash values for vendor supported data objects.	SPT-39

#### Table 2c: Omitted Test Cases (Nokia 6350)

Unsupported Optional Feature	Cases Omitted / Not Executed
Attempt internal memory acquisition of a nonsupported mobile device.	SPT-02
Begin mobile device internal memory acquisition and interrupt	SPT-03
connectivity by interface disengagement.	
Acquire mobile device internal memory and review reported data via	SPT-04
the preview pane or generated reports for readability.	

Unsupported Optional Feature	Cases Omitted / Not Executed	
Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).	SPT-05	
Acquire mobile device internal memory and review reported PIM- related data.	SPT-06	
Acquire mobile device internal memory and review reported call logs.	SPT-07	
Acquire mobile device internal memory and review reported text messages.	SPT-08	
Acquire mobile device internal memory and review reported MMS multi-media-related data (i.e., text, audio, graphics, video).	SPT-09	
Acquire mobile device internal memory and review reported stand- alone multi-media data (i.e., audio, graphics, video).	SPT-10	
Acquire mobile device internal memory and review application-related data (i.e., Word documents, spreadsheet, presentation documents).	SPT-11	
Acquire mobile device internal memory and review Internet-related data (i.e., bookmarks, visited sites.	SPT-12	
Acquire mobile device internal memory by selecting a combination of supported data elements.	SPT-13	
Acquire mobile device internal memory and review reported data via supported generated report formats.	SPT-24	
Acquire mobile device internal memory and review reported data via the preview pane.	SPT-25	
After a successful mobile device internal memory, alter the case file via third-party means and attempt to reopen the case.	SPT-29	
Perform a physical acquisition and review data output for readability.	SPT-31	
Perform a physical acquisition and review reports for recoverable deleted data.	SPT-32	
Acquire mobile device internal memory and review data containing non-ASCII characters.	SPT-33	
Perform a stand-alone mobile device internal memory acquisition and review the status flags for text messages present on the SIM.	SPT-37	
Acquire mobile device internal memory and review hash values for vendor supported data objects.	SPT-38	
Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.	SPT-40	

#### Table 1d: Selected Test Cases (iPhone4 CDMA)

Unsupported Optional Feature	Cases Omitted / Not Executed
Base cases	SPT-01, SPT-
	02, SPT-03,
	SPT-04, SPT-
	05, SPT-06,
	SPT-07, SPT-

Unsupported Optional Feature	Cases Omitted / Not Executed
	08, SPT-09,
	SPT-10, SPT-
	12, SPT-13
Acquire mobile device internal memory and review reported data via	SPT-24
supported generated report formats.	
Acquire mobile device internal memory and review reported data via	SPT-25
the preview pane.	
After a successful mobile device internal memory, alter the case file via	SPT-29
third-party means and attempt to reopen the case.	
Acquire mobile device internal memory and review data containing	SPT-33
non-ASCII characters.	
Acquire mobile device internal memory and review hash values for	SPT-38
vendor supported data objects.	

#### Table 2d: Omitted Test Cases (iPhone4 CDMA)

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 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 related information (i.e., SPN, ICCID, IMSI, MSISDN).	SPT-17
Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).	SPT-18
Acquire SIM memory and review reported Last Numbers Dialed (LND).	SPT-19
Acquire SIM memory and review reported text messages (SMS, EMS).	SPT-20
Acquire SIM memory and review recoverable/deleted text messages (SMS, EMS).	SPT-21
Acquire SIM memory and review reported location-related data (i.e., LOCI, GPRSLOCI).	SPT-22
Acquire SIM memory by selecting a combination of supported data elements.	SPT-23
Acquire SIM memory and review reported data via supported generated report formats.	SPT-26
Acquire SIM memory and review reported data via the preview pane.	SPT-27
Attempt acquisition of a password-protected SIM.	SPT-28
After a successful SIM acquisition, alter the case file via third-party	SPT-30
means 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	SPT-32

Results Device Seizure v5.0

Unsupported Optional Feature	Cases Omitted / Not Executed
deleted data.	
Acquire SIM memory and review data containing non-ASCII	SPT-34
characters.	
Begin acquisition on a PIN protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.	SPT-35
Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.	SPT-36
Perform a stand-alone mobile device internal memory acquisition and review the status flags for text messages present on the SIM.	SPT-37
Acquire SIM memory and review hash values for vendor supported data objects.	SPT-39
Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.	SPT-40

#### Table 1e: Selected Test Cases (HTC Thunderbolt)

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

Unsupported Optional Feature	Cases Omitted / Not Executed
Begin SIM acquisition and interrupt connectivity by interface disengagement.	SPT-16
Acquire SIM memory and review reported subscriber and equipment related information (i.e., SPN, ICCID, IMSI, MSISDN).	SPT-17
Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).	SPT-18
Acquire SIM memory and review reported Last Numbers Dialed (LND).	SPT-19
Acquire SIM memory and review reported text messages (SMS, EMS).	SPT-20
Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).	SPT-21
Acquire SIM memory and review reported location-related data (i.e., LOCI, GPRSLOCI).	SPT-22
Acquire SIM memory by selecting a combination of supported data elements.	SPT-23
Acquire SIM memory and review reported data via supported generated report formats.	SPT-26
Acquire SIM memory and review reported data via the preview pane.	SPT-27
Attempt acquisition of a password-protected SIM.	SPT-28
After a successful SIM acquisition, alter the case file via third-party means and attempt to reopen the case.	SPT-30
Perform a physical acquisition and review data output for readability.	SPT-31
Perform a physical acquisition and review reports for recoverable deleted data.	SPT-32
Acquire SIM memory and review data containing non-ASCII characters.	SPT-34
Begin acquisition on a PIN protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.	SPT-35
Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.	SPT-36
Perform a stand-alone mobile device internal memory acquisition and review the status flags for text messages present on the SIM.	SPT-37
Acquire SIM memory and review hash values for vendor-supported data objects.	SPT-39
Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.	SPT-40

 Table 1f: Selected Test Cases (Palm Pre2)

Supported Optional Feature	Cases Selected for Execution
Base cases	SPT-01, SPT-02, SPT-03, SPT-04, SPT-

Supported Optional Feature	Cases Selected for Execution
	05, SPT-06, SPT-07, SPT-08, SPT-09,
	SPT-10, SPT-11, SPT-12, 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-38
review hash values for vendor supported data	
objects.	

#### Table 2f: Omitted Test Cases (Palm Pre2)

Unsupported Optional Feature	Cases Omitted / Not
	Executed
Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	SPT-14
Attempt acquisition of a nonsupported SIM.	SPT-15
Begin SIM acquisition and interrupt connectivity by interface	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	SPT-30
means 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 mobile device internal memory and review data containing non-	SPT-33
ASCII characters.	

Unsupported Optional Feature	Cases Omitted / Not Executed
Acquire SIM memory and review data containing non-ASCII characters.	SPT-34
Begin acquisition on a PIN protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.	SPT-35
Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.	SPT-36
Perform a stand-alone mobile device internal memory acquisition and review the status flags for text messages present on the SIM.	SPT-37
Acquire SIM memory and review hash values for vendor supported data objects.	SPT-39
Acquire mobile device internal memory and review data containing GPS longitude and latitude coordinates.	SPT-40

## 3 Results by Test Assertion

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

Tables 3a–3f 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 anomalies are discussed.

Table 3a: Assertions	Tested (iPhone4	GSM)
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Assertions Tested	Tests	Anomaly
SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device, then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).	1	
SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device, then the tool shall notify the user that the device is not supported.	1	
SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted, then the tool shall notify the user that connectivity has been disrupted.	1	
SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.	2	
SPT-CA-05 If a cellular forensic tool completes acquisition of the target	1	3.2

device without error, then subscriber related information shall be presented in a useable format.       Image: Completes acquisition of the target device without error, then equipment-related information shall be presented in a useable format.         SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error, then address book entries shall be presented in a useable format.       Image: 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.       1         SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing blank names shall be presented in a useable format.       1         SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format.       1         SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then errapics associated with address book entries       1         SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format.       1         SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format.       1 <td< th=""><th>Assertions Tested</th><th>Tests</th><th>Anomaly</th></td<>	Assertions Tested	Tests	Anomaly
SPT-CA-06 If a cellular forensic tool completes acquisition of the target       1         device without error, then equipment-related information shall be       1         presented in a useable format.       1         SPT-CA-07 If a cellular forensic tool completes acquisition of the target       1         device without error, then address book entries shall be presented in a       1         useable format.       1         SPT-CA-09 If a cellular forensic tool completes acquisition of the target       1         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.       1         SPT-CA-10 If a cellular forensic tool completes acquisition of the target       1         device without error, then addresses associated with address book       1         SPT-CA-11 If a cellular forensic tool completes acquisition of the target       1         device without error, then graphics associated with address book entries       1         SPT-CA-12 If a cellular forensic tool completes acquisition of the target       2         device without error, then datebook, calendar, note entries shall be       1         presented in a use	device without error, then subscriber related information shall be		
device without error, then equipment-related information shall be presented in a useable format.       1         SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error, then address book entries shall be presented in a useable format.       1         SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error, then maximum length address book entries shall be presented in a useable format.       1         SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing special characters shall be presented in a useable format.       1         SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing blank names shall be presented in a useable format.       1         SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format.       3.3         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.       3.3         SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format.       1         SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.       1	presented in a useable format.		
presented in a useable format.       SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error, then address book entries shall be presented in a useable format.       1         SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error, then maximum length address book entries shall be presented in a useable format.       1         SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing special characters shall be presented in a useable format.       1         SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing blank names shall be presented in a useable format.       1         SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format.       1         SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format.       1         SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be resented in a useable format.       1         SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.       1         SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error	SPT-CA-06 If a cellular forensic tool completes acquisition of the target		
SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error, then address book entries shall be presented in a useable format.       1         SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error, then maximum length address book entries shall be presented in a useable format.       1         SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing special shall be presented in a useable format.       1         SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing blank names shall be presented in a useable format.       1         SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then addresses associated with address book entries shall be presented in a useable format.       1         SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format.       3.3         SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format.       1         SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.       1         SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error	device without error, then equipment-related information shall be	1	
device without error, then address book entries shall be presented in a useable format.       1         SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error, then maximum length address book entries shall 1       1         be presented in a useable format.       1         SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing special characters shall be presented in a useable format.       1         SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format.       1         SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format.       3.3         SPT-CA-13 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.       3.3         SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then maximum length 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 entries shall be 1       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 <td></td> <td></td> <td></td>			
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for text messages shall be presented in a useable format.		1	3.5
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	SPT-CA-20 If a cellular forensic tool completes acquisition of the target	1	

Assertions Tested	Tests	Anomaly
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	1	3.6
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	1	
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	1	
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	1	3.7
application.		
SPT-CA-25 If a cellular forensic tool completes acquisition of the target		
1 1 0		
device without error, then stand-alone graphic files shall be presented in	1	
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	1	3.7
useable format via either an internal application or suggested third-party	-	017
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	1	
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 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.	Ŧ	
SPT-AO-01 If a cellular forensic tool provides support for connectivity		
of the target SIM, then the tool shall successfully recognize the target		
	2	
SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary		
reader, mart phone itself).		
SPT-AO-02 If a cellular forensic tool attempts to connect to a	1	
nonsupported SIM, then the tool shall notify the user that the SIM is not		

Assertions Tested	Tests	Anomaly
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	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		
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.	1	
SPT-AO-07 If a cellular forensic tool completes acquisition of the target		
1 1 0	1	
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 ADNs shall be presented in a	1	
useable format.		
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM		
without error, then ADNs containing special characters shall be	1	
presented in a useable format.		
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM		
without error, then ADNs containing blank names shall be presented in	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.	1	
SPT-AO-13 If a cellular forensic tool completes acquisition of the target	1	
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	1	
Si 1-AO-16 in a centular forensic tool completes acquisition of the target	1	l

Assertions Tested	Tests	Anomaly
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	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		
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-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.	ļ	
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII	-	
characters, then the application should present ADNs in their native	2	
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	2	

Assertions Tested	Tests	Anomaly
data objects, then the tool shall present the user with a hash value for		
each supported data object.		

#### Table 3b: Assertions Tested: (BlackBerry Torch)

Table 50: Assertions Tested: (Blackberry Torch)	Tests	Anomole
Assertions Tested SPT-CA-01 If a cellular forensic tool provides support for connectivity	Tests	Anomaly
of the target device, then the tool shall successfully recognize the target	1	
	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	
	1	
not supported.		
SPT-CA-03 If connectivity between the mobile device and cellular	1	
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		
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.		
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	1	
Si i cri i i a contra rotensie toor completes acquisition of the target	1	

Assertions Tested	Tests	Anomaly
device without error, then maximum length datebook, calendar, note		
entries shall be presented in a useable format.		
SPT-CA-15 If a cellular forensic tool completes acquisition of the target		
device without error, then call logs (incoming/outgoing/missed) shall be	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.		
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.		
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.		
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.		
SPT-CA-20 If a cellular forensic tool completes acquisition of the target		
device without error, then the corresponding sender / recipient phone	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		
device without error, then MMS messages and associated audio shall be	1	3.6
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	1	3.6
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	1	3.6
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	3.7
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	1	3.7
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	1	3.7
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	1	
sites) cached to the device shall be acquired and presented in a useable		
format.		

Assertions Tested	Tests	Anomaly
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-01 If a cellular forensic tool provides support for connectivity		
of the target SIM, then the tool shall successfully recognize the target	2	
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	
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.	1	
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.	1	
SPT-AO-09 If a cellular forensic tool completes acquisition of the target		
SIM without error, then maximum length ADNs shall be presented in a	1	
useable format.	1	
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM		
without error, then ADNs containing special characters shall be	1	
presented in a useable format.	1	
1		
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM	1	
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	1	
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 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 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 provides the user with an "Acquire All" SIM data objects on provides the user with an "Acquire All" SIM data objects, then the tool shall complete the acquisition of all individually selected data objects without error. SPT-AO-23 If a cellular forensic tool provides the user with an "Acquire All" 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 an "Acquire each exclusive data objects tor acquisition of the SIM without error, then tool shall present the acquisition of the SIM without error, then tool shall present the 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 via supported generated report formats. SPT-AO-27 If the case	Assertions Tested	Tests	Anomaly
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       1         SIM without error, then the corresponding status (i.e., read, unread) for       1         text messages shall be presented in a useable format.       1         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.       1         SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error, then deleted text messages that have not been       1         overwritten shall be presented in a useable format.       1       1         SPT-AO-20 If a cellular forensic tool completes acquisition of the target       1         SIM without error, then location-related data (i.e., LOCI) shall be       1         presented in a useable format.       1       1         SPT-AO-21 If a cellular forensic tool provides the user with an       1       1         complete the acquisition of all data objects without error.       1       1         SPT-AO-23 If a cellular forensic tool provides the user with an       1       1         complete the acquisition of al			
messages shall be presented in a useable format.Image: 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.Image: 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.Image: 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.Image: 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.Image: 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.Image: SpT-AO-22 If a cellular forensic tool provides the user with an "Acquire AII" SIM data objects acquisition option, then the tool shall complete the acquisition of all data objects without error.Image: SpT-AO-23 If a cellular forensic tool provides the user with an "Select AII" individual SIM data objects for acquisition, then the tool shall complete the acquisition of all data objects for acquisition of the SIM without error, then teol shall present the acquisition of the SIM without error, then the tool shall present the acquisition of the SIM without error, then the tool shall present the acquired data in a useable format.Image: SpT-AO-22 If a cellular forensic tool completes acquisition of the SIM select Individual" SIM data objects for acquisition of the sol shall complete the acquised data object without error.Image	SPT-AO-16 If a cellular forensic tool completes acquisition of the target		
SPT-AO-17 If a cellular forensic tool completes acquisition of the target       1         SIM without error, then the corresponding status (i.e., read, unread) for       1         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.       1         SPT-AO-19 If the cellular forensic tool completes acquisition of the target       1         SPT-AO-20 If a cellular forensic tool completes acquisition of the target       1         SPT-AO-20 If a cellular forensic tool completes acquisition of the target       1         SPT-AO-21 If a cellular forensic tool completes acquisition of the target       1         SPT-AO-21 If a cellular forensic tool completes acquisition of the target       1         SPT-AO-21 If a cellular forensic tool completes acquisition of the target       1         SPT-AO-21 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 acquisition of all data objects without error.       1         SPT-AO-23 If a cellular forensic tool provides the user with the abili	SIM without error, then the corresponding date/time stamps for all text	1	
SIM without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.1SPT-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.1SPT-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.1SPT-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.1SPT-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.1SPT-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.1SPT-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.1SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error, then the tool shall present the acquised of an a useable format.2SPT-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 via supported generated report formats.2SPT-AO-26 If a cellular forensic tool completes acquisition of the SIM without error, then	messages shall be presented in a useable format.		
text messages shall be presented in a useable format.Image: Content of the start of	SPT-AO-17 If a cellular forensic tool completes acquisition of the target		
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.1SPT-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.1SPT-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.1SPT-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.1SPT-AO-21 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.1SPT-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.1SPT-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.1SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error, then the tool shall present the acquisition of the SIM without error, then the tool shall present the acquisition of the SIM without error, then the tool shall present the acquired data in a useable format.2SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error, th	SIM without error, then the corresponding status (i.e., read, unread) for	1	
SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.1SPT-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.1SPT-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.1SPT-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.1SPT-AO-21 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.1SPT-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.1SPT-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.1SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error, then the tool shall present the acquisition of the SIM without error, then the tool shall present the acquisition of the SIM without error, then the tool shall present the acquired data in a useable format.2SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error, th	text messages shall be presented in a useable format.		
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SPT-AO-27 If the case file or individual data objects are modified via			
	* *		
	-	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		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		1	
should provide an accurate count of the remaining PIN attempts.	• • • • • •		
SPT-AO-30 If a cellular forensic tool provides the examiner with the		1	
remaining number of PUK attempts, then the application should provide	-	1	

Assertions Tested	Tests	Anomaly
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	3.10
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	3.10
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.		

#### Table 3c: Assertions Tested: (Nokia 6350)

Assertions Tested	Tests	Anomaly
SPT-CA-01 If a cellular forensic tool provides support for connectivity		<b>.</b>
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-04 If a cellular forensic tool completes acquisition of the target		
device without error, then the tool shall have the ability to present	1	
acquired data objects in a useable format via either a preview pane or	1	
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	1	
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	1	
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	1	
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	2	
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	
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	1	
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	1	
SIM without error, then the ICCID shall be presented in a useable	1	

Assertions Tested	Tests	Anomaly
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 ADNs shall be presented in a	1	
useable format.	-	
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM		
without error, then ADNs containing special characters shall be	1	
presented in a useable format.	-	
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM		
without error, then ADNs containing blank names shall be presented in	1	
a useable format.	1	
SPT-AO-12 If a cellular forensic tool completes acquisition of the target		
SIM without error, then Last Numbers Dialed (LND) shall be presented	1	
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		
	1	
SIM without error, then ASCII SMS text messages shall be presented in a useable format.	1	
SPT-AO-15 If a cellular forensic tool completes acquisition of the target	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	1	
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.		

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

Table 3d: Assertions Tested: (iPhone4 CDMA)

Assertions Tested	Tests	Anomaly
SPT-CA-01 If a cellular forensic tool provides support for connectivity		
of the target device, then the tool shall successfully recognize the target	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	1	

Assertions Tested	Tests	Anomaly
nonsupported device, then the tool shall notify the user that the device is		
not supported.		
SPT-CA-03 If connectivity between the mobile device and cellular		
forensic tool is disrupted, then the tool shall notify the user that	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		
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.		
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	3.4
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.		
duration of the call for call 1058 shall be presented in a ascable format.	j	

Assertions Tested	Tests	Anomaly
SPT-CA-17 If a cellular forensic tool completes acquisition of the target		
device without error, then ASCII text messages (i.e., SMS, EMS) shall	1	
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	1	
messages shall be presented in a useable format.		
SPT-CA-19 If a cellular forensic tool completes acquisition of the target		
device without error, then the corresponding status (i.e., read, unread)	1	3.5
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	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		
device without error, then MMS messages and associated audio shall be	1	3.6
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	1	3.6
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	1	3.6
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	1	3.7
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-	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		a <b>-</b>
useable format via either an internal application or suggested third-party	1	3.7
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	
	i	

Assertions Tested	Tests	Anomaly
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 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.		
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	Z	
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	1	
device without error, then address book entries shall be presented in a	1	

useable format.       Image: space of the s	Assertions Tested	Tests	Anomaly
device without error, then maximum length address book entries shall       1         be presented in a useable format.       1         SPT-CA-09 If a cellular forensic tool completes acquisition of the target       1         device without error, then address book entries containing special       1         SPT-CA-10 If a cellular forensic tool completes acquisition of the target       1         device without error, then addresses book entries containing blank names       1         shall be presented in a useable format.       1         SPT-CA-11 If a cellular forensic tool completes acquisition of the target       1         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       1         device without error, then datebook, calendar, note entries shall be       1         SPT-CA-13 If a cellular forensic tool completes acquisition of the target       1         device without error, then maximum length datebook, calendar, note       1         SPT-CA-15 If a cellular forensic tool completes acquisition of the target       2         device without error, then date format.       1         SPT-CA-16 If a cellular forensic tool completes acquisition of the target       2         device without error, then call logs (incoming/outg	useable format.		
be presented in a useable format. SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing special characters shall be presented in a useable format. SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing blank names shall be presented in a useable format. SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format. SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format. SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format. SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format. SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error, then call logs (incoming/outgoing/missed) shall be presented in a useable format. SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format. SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error, then 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 wit	SPT-CA-08 If a cellular forensic tool completes acquisition of the target		
SPT-CA-09 If a cellular forensic tool completes acquisition of the target       1         device without error, then address book entries containing special       1         characters shall be presented in a useable format.       1         SPT-CA-10 If a cellular forensic tool completes acquisition of the target       1         device without error, then address book entries containing blank names       1         shall be presented in a useable format.       1         SPT-CA-11 If a cellular forensic tool completes acquisition of the target       1         device without error, then email addresses associated with address book       1         entries shall be presented in a useable format.       1         SPT-CA-13 If a cellular forensic tool completes acquisition of the target       1         device without error, then datebook, calendar, note entries shall be       1         SPT-CA-14 If a cellular forensic tool completes acquisition of the target       3.3         gresented in a useable format.       SPT-CA-15 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-16 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.	device without error, then maximum length address book entries shall	1	
device without error, then address book entries containing special       1         characters shall be presented in a useable format.       1         SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then addresses associated with address book       1         SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book       1         SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format.       1         SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format.       3.3         SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be resented in a useable format.       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 resented in a useable format.       1         SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.       1         SPT-CA-19 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.	be presented in a useable format.		
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SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing blank names shall be presented in a useable format.       1         SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format.       1         SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format.       1         SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format.       1         SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.       1         SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error, then call logs (incoming/outgoing/missed) shall be presented in a useable format.       1         SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps and the 1       1         Guration 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 the corresponding date/time stamps for text messages shall be presented in a useable format.       1	device without error, then address book entries containing special	1	
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Assertions Tested	Tests	Anomaly
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	1	
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	3.7
useable format via either an internal application or suggested third-party	1	5.7
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	27
a useable format via either an internal application or suggested third-	1	3.7
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	27
useable format via either an internal application or suggested third-party	1	3.7
application.		
SPT-CA-27 If a cellular forensic tool completes acquisition of the target		
device without error, then device specific application-related data shall		2.0
be acquired and presented in a useable format via either an internal	1	3.8
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	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 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.	1	
distillering of reporting data moundation.	L	

Assertions Tested	Tests	Anomaly
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 3f: Assertions Tested: (Palm Pre2)

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 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	2	
acquired data objects in a useable format via either a preview pane or generated report.	2	
SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error, then subscriber related information shall be presented in a useable format.	1	3.2
SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error, then equipment-related information shall be presented in a useable format.	1	3.2
SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error, then address book entries shall be presented in a useable format.	1	3.3
SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error, then maximum length address book entries shall be presented in a useable format.	1	
SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing special characters shall be presented in a useable format.	1	
SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing blank names shall be presented in a useable format.	1	
SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format.	1	

Assertions Tested	Tests	Anomaly
SPT-CA-12 If a cellular forensic tool completes acquisition of the target		
device without error, then graphics associated with address book entries	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	3.3
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	3.4
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	3.4
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	1	3.5
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	1	
messages shall be presented in a useable format.	-	
SPT-CA-19 If a cellular forensic tool completes acquisition of the target		
device without error, then the corresponding status (i.e., read, unread)	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	
numbers for text messages shall be presented in a useable format.	1	
SPT-CA-21 If a cellular forensic tool completes acquisition of the target		
device without error, then MMS messages and associated audio shall be	1	3.6
presented in a useable format.	T	5.0
SPT-CA-22 If a cellular forensic tool completes acquisition of the target		
device without error, then MMS messages and associated graphic files	1	3.6
shall be presented in a useable format.	1	5.0
SPT-CA-23 If a cellular forensic tool completes acquisition of the target		
	1	3.6
device without error, then MMS messages and associated video shall be	1	5.0
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	3.7
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	1	3.7
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	1	3.7

Assertions Tested	Tests	Anomaly
device without error, then stand-alone video files shall be presented in a		
useable format via either an internal application or suggested third-party		
application.		
SPT-CA-27 If a cellular forensic tool completes acquisition of the target		
device without error, then device specific application-related data shall	1	3.8
be acquired and presented in a useable format via either an internal	1	5.0
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	1	3.9
sites) cached to the device shall be acquired and presented in a useable	1	5.9
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 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-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.		

Tables 4a–4f 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-31 If the cellular forensic tool supports a physical acquisition of the target device, then the tool shall complete the acquisition without error.

SPT-AO-32 If the cellular forensic tool supports the interpretation of address book entries present on the target device, then the tool shall report recoverable active and deleted data or address book data remnants in a useable format.

SPT-AO-33 If the cellular forensic tool supports the interpretation of calendar, tasks, or notes present on the target device, then the tool shall report recoverable active and deleted calendar, tasks, or note data remnants in a useable format.

SPT-AO-34 If the cellular forensic tool supports the interpretation of call logs present on the target device, then the tool shall report recoverable active and deleted call or call log data remnants in a useable format.

SPT-AO-35 If the cellular forensic tool supports the interpretation of SMS messages present on the target device, then the tool shall report recoverable active and deleted SMS messages or SMS message data remnants in a useable format.

SPT-AO-36 If the cellular forensic tool supports the interpretation of EMS messages present on the target device, then the tool shall report recoverable active and deleted EMS messages or EMS message data remnants in a useable format.

SPT-AO-37 If the cellular forensic tool supports the interpretation of audio files present on the target device, then the tool shall report recoverable active and deleted audio data or audio file data remnants in a useable format.

SPT-AO-38 If the cellular forensic tool supports the interpretation of graphic files present on the target device, then the tool shall report recoverable active and deleted graphic file data or graphic file data remnants in a useable format.

SPT-AO-39 If the cellular forensic tool supports the interpretation of video files present on the target device, then the tool shall report recoverable active and deleted video file data or video file data remnants in a useable format.

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

SPT-AO-44 If the cellular forensic tool supports acquisition of GPS data, then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format.

#### Table 4b: Assertions Not Tested (BlackBerry Torch)

#### 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-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-31 If the cellular forensic tool supports a physical acquisition of the target device, then the tool shall complete the acquisition without error.

SPT-AO-32 If the cellular forensic tool supports the interpretation of address book entries present on the target device, then the tool shall report recoverable active and deleted data or address book data remnants in a useable format.

SPT-AO-33 If the cellular forensic tool supports the interpretation of calendar, tasks, or notes present on the target device, then the tool shall report recoverable active and deleted calendar, tasks, or note data remnants in a useable format.

SPT-AO-34 If the cellular forensic tool supports the interpretation of call logs present on the target device, then the tool shall report recoverable active and deleted call or call log data remnants in a useable format.

SPT-AO-35 If the cellular forensic tool supports the interpretation of SMS messages present on the target device, then the tool shall report recoverable active and deleted SMS messages or SMS message data remnants in a useable format.

SPT-AO-36 If the cellular forensic tool supports the interpretation of EMS messages present on the target device, then the tool shall report recoverable active and deleted EMS messages or EMS message data remnants in a useable format.

SPT-AO-37 If the cellular forensic tool supports the interpretation of audio files present on the target device, then the tool shall report recoverable active and deleted audio data or audio file data remnants in a useable format.

SPT-AO-38 If the cellular forensic tool supports the interpretation of graphic files present on the target device, then the tool shall report recoverable active and deleted graphic file data or graphic file data remnants in a useable format.

SPT-AO-39 If the cellular forensic tool supports the interpretation of video files present on the target device, then the tool shall report recoverable active and deleted video file data or video file data remnants in a useable format.

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

SPT-AO-44 If the cellular forensic tool supports acquisition of GPS data, then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format.

#### Table 4c: Assertions Not Tested (Nokia 6350) Page 100 (Nokia 6350)

Assertions Not Tested
SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device, then
the tool shall notify the user that the device is not supported.
SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is
disrupted, then the tool shall notify the user that connectivity has been disrupted.
SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without
error, then subscriber related information shall be presented in a useable format.
SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without
error, then equipment-related information shall be presented in a useable format.
SPT CA 07 If a callular foransic tool completes acquisition of the target device without

SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without

error, then address book entries shall be presented in a useable format.

SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error, then maximum length address book entries shall be presented in a useable format. SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing special characters shall be presented in a useable format.

SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing blank names shall be presented in a useable format.

SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format.

SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format.

SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format.

SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.

SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error, then call logs (incoming/outgoing/missed) shall be presented in a useable format.

SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.

SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error, then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format.

SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps for text messages shall be presented in a 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

February 2013

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.

SPT-AO-35 If the cellular forensic tool supports the interpretation of SMS messages present on the target device, then the tool shall report recoverable active and deleted SMS messages or SMS message data remnants in a useable format.

SPT-AO-36 If the cellular forensic tool supports the interpretation of EMS messages present on the target device, then the tool shall report recoverable active and deleted EMS messages or EMS message data remnants in a useable format.

SPT-AO-37 If the cellular forensic tool supports the interpretation of audio files present on the target device, then the tool shall report recoverable active and deleted audio data or audio file data remnants in a useable format.

SPT-AO-38 If the cellular forensic tool supports the interpretation of graphic files present on the target device, then the tool shall report recoverable active and deleted graphic file data or graphic file data remnants in a useable format.

SPT-AO-39 If the cellular forensic tool supports the interpretation of video files present on the target device, then the tool shall report recoverable active and deleted video file data or video file data remnants in a useable format.

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

SPT-AO-44 If the cellular forensic tool supports acquisition of GPS data, then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format.

Table 4d: Assertions Not Tested (iPhone4 CDMA)

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-01 If a cellular forensic tool provides support for connectivity of the target SIM,
then the tool shall successfully recognize the target SIM via all tool-supported interfaces
(e.g., PC/SC reader, proprietary reader, Smart Phone itself).
SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM, then
the tool shall notify the user that the SIM is not supported.
SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader, then the
tool shall notify the user that connectivity has been disrupted.
SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without
error, then the SPN shall be presented in a useable format.
SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without
error, then the ICCID shall be presented in a useable format.
SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without
error, then the IMSI shall be presented in a useable format.
SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without
error, then the MSISDN shall be presented in a useable format.
SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without
error, then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable
format.
SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without
error, then maximum length ADNs shall be presented in a useable format.
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error,
then ADNs containing special characters shall be presented in a useable format.
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error,
then ADNs containing blank names shall be presented in a useable format.
SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without
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 usaghla format

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.

#### Table 4e: Assertions Not Tested (HTC Thunderbolt) Image: Comparison of the second second

Assertions Not Tested
SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM,
then the tool shall successfully recognize the target SIM via all tool-supported interfaces
(e.g., PC/SC reader, proprietary reader, Smart Phone itself).
SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM, then
the tool shall notify the user that the SIM is not supported.
SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader, then the
tool shall notify the user that connectivity has been disrupted.
SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without
error, then the SPN shall be presented in a useable format.
SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without
error, then the ICCID shall be presented in a useable format.
SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without
error, then the IMSI shall be presented in a useable format.
SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without
error, then the MSISDN shall be presented in a useable format.
SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without
error, then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable
format.
SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without
error, then maximum length ADNs shall be presented in a useable format.
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error,
then ADNs containing special characters shall be presented in a useable format.
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error,
then ADNs containing blank names shall be presented in a useable format.
SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without
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

February 2013

format.

Assertions Not Tested

SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII SMS text messages shall be presented in a useable format.

SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII EMS text messages shall be presented in a useable format.

SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for all text messages shall be presented in a useable format.

SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.

SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.

SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error, then deleted text messages that have not been overwritten shall be presented in a useable format.

SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., LOCI) shall be presented in a useable format.

SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., GRPSLOCI) shall be presented in a useable format.

SPT-AO-22 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects acquisition option, then the tool shall complete the acquisition of all data objects without error.

SPT-AO-23 If a cellular forensic tool provides the user with a "Select All" individual SIM data objects, then the tool shall complete the acquisition of all individually selected data objects without error.

SPT-AO-24 If a cellular forensic tool provides the user with the ability to "Select Individual" SIM data objects for acquisition, then the tool shall acquire each exclusive data object without error.

SPT-AO-28 If the SIM is password-protected, then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.

SPT-AO-29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts, then the application should provide an accurate count of the remaining PIN attempts.

SPT-AO-30 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts, then the application should provide an accurate count of the remaining PUK attempts.

SPT-AO-31 If the cellular forensic tool supports a physical acquisition of the target device, then the tool shall complete the acquisition without error.

SPT-AO-32 If the cellular forensic tool supports the interpretation of address book entries present on the target device, then the tool shall report recoverable active and deleted data or address book data remnants in a useable format.

SPT-AO-33 If the cellular forensic tool supports the interpretation of calendar, tasks, or notes present on the target device, then the tool shall report recoverable active and

deleted calendar, tasks, or note data remnants in a useable format.

SPT-AO-34 If the cellular forensic tool supports the interpretation of call logs present on the target device, then the tool shall report recoverable active and deleted call or call log data remnants in a useable format.

SPT-AO-35 If the cellular forensic tool supports the interpretation of SMS messages present on the target device, then the tool shall report recoverable active and deleted SMS messages or SMS message data remnants in a useable format.

SPT-AO-36 If the cellular forensic tool supports the interpretation of EMS messages present on the target device, then the tool shall report recoverable active and deleted EMS messages or EMS message data remnants in a useable format.

SPT-AO-37 If the cellular forensic tool supports the interpretation of audio files present on the target device, then the tool shall report recoverable active and deleted audio data or audio file data remnants in a useable format.

SPT-AO-38 If the cellular forensic tool supports the interpretation of graphic files present on the target device, then the tool shall report recoverable active and deleted graphic file data or graphic file data remnants in a useable format.

SPT-AO-39 If the cellular forensic tool supports the interpretation of video files present on the target device, then the tool shall report recoverable active and deleted video file data or video file data remnants in a useable format.

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

SPT-AO-44 If the cellular forensic tool supports acquisition of GPS data, then the tool shall present the user with the longitude and latitude coordinates for all GPS-related data in a useable format.

#### Table 4f: Assertions Not Tested (Palm Pre2)

Assertions Not Tested

Assertions Not Tested
SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM,
then the tool shall successfully recognize the target SIM via all tool-supported interfaces
(e.g., PC/SC reader, proprietary reader, Smart Phone itself).
SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM, then
the tool shall notify the user that the SIM is not supported.
SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader, then the
tool shall notify the user that connectivity has been disrupted.
SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without
error, then the SPN shall be presented in a useable format.
SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without
error, then the ICCID shall be presented in a useable format.
SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without
error, then the IMSI shall be presented in a useable format.
SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without
error, then the MSISDN shall be presented in a useable format.
SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without
error, then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable

February 2013

Assertions Not Tested
format.
SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without
error, then maximum length ADNs shall be presented in a useable format.
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error,
then ADNs containing special characters shall be presented in a useable format.
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error,
then ADNs containing blank names shall be presented in a useable format.
SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without
error, then Last Numbers Dialed (LND) shall be presented in a useable format.
SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without
error, then the corresponding date/time stamps for LNDs shall be presented in a useable
format.
SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without
error, then ASCII SMS text messages shall be presented in a useable format.
SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without
error, then ASCII EMS text messages shall be presented in a useable format.
SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without
error, then the corresponding date/time stamps for all text messages shall be presented in
a useable format.
SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without
error, then the corresponding status (i.e., read, unread) for text messages shall be
presented in a useable format.
SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without
error, then the corresponding sender / recipient phone numbers for text messages shall be
presented in a useable format.
SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without
error, then deleted text messages that have not been overwritten shall be presented in a useable format.
SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without
error, then location-related data (i.e., LOCI) shall be presented in a useable format.
SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., GRPSLOCI) shall be presented in a useable format.
SPT-AO-22 If a cellular forensic tool provides the user with an "Acquire All" SIM data
objects acquisition option, then the tool shall complete the acquisition of all data objects
without error.
SPT-AO-23 If a cellular forensic tool provides the user with a "Select All" individual
SIM data objects, then the tool shall complete the acquisition of all individually selected
data objects without error.
SPT-AO-24 If a cellular forensic tool provides the user with the ability to "Select
Individual" SIM data objects for acquisition, then the tool shall acquire each exclusive 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
or authentication attempts, then the appreation should provide an accurate could 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-40 If the cellular forensic tool supports display of non-ASCII characters, then the application should present ADNs in their native format.

SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters, then the application should present text messages in their native format.

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

SPT-AO-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 from Tables 3a - 3f.

#### 3.1 Device connectivity

For test case SPT-01, connectivity to the Nokia 6350 was not established using the supported interface. The following error was reported: "Acquisition process has failed – Result: Connection Error."

Acquisition of the HTC Thunderbolt ended in errors. The following error was reported: "Acquisition process has failed. Result – Connection broken." *Note: This anomaly was corrected with Device Seizure Version 5.0 build 4664.26841.* 

# 3.2 Acquisition of subscriber- and equipment-related information

Subscriber-related information, i.e., Mobile Station International Subscriber Directory Number (MSISDN) was not reported for the iPhone4 GSM, iPhone4 CDMA and the Palm Pre2 for test case SPT-05.

Equipment-related information, i.e., the Mobile Equipment Identity (MEID) was not reported for the iPhone4 CDMA and Palm Pre2.

#### 3.3 Acquisition of Personal Information Management (PIM) data

For test case SPT-06, Personal Information Management (PIM) data i.e., calendar entries, and memos was not reported for the HTC Thunderbolt and the Palm Pre2.

Address book entries were not reported for the Palm Pre2.

Graphics files associated with address book entries were not reported for the iPhone4 GSM, BlackBerry Torch, and iPhone4 CDMA devices.

#### 3.4 Acquisition of call log data

For test case SPT-07, incoming, outgoing and missed calls were not reported for the Palm Pre2.

Missed calls were categorized as Incoming for the iPhone4 GSM and the iPhone4 CDMA.

#### 3.5 Acquisition of SMS messages

For test case SPT-08, Unread text messages were not assigned a status (i.e., Unread) for the iPhone4 GSM and the iPhone4 CDMA devices.

SMS messages were not reported for the Palm Pre2.

#### 3.6 Acquisition of MMS messages

MMS messages were not reported for the Palm Pre2 for test case SPT-09.

MMS attachments (i.e., audio, graphic, video) were not reported for the BlackBerry Torch.

MMS attachments (i.e., audio) were not reported for the iPhone4 GSM and the iPhone4 CDMA.

The textual portion of MMS messages for the iPhone4 CDMA was not reported in the message preview pane. The sms.db file has to be searched.

## 3.7 Acquisition of stand-alone files

Audio and video files were not reported for the iPhone4 GSM or the iPhone4 CDMA devices for test case SPT-10.

Audio, video and graphic files were not reported for the BlackBerry Torch, HTC Thunderbolt, and Palm Pre2.

#### 3.8 Acquisition of application-related data

For test case SPT-11, application-related data (e.g., Quickoffice documents) were not reported for the HTC Thunderbolt or the Palm Pre2.

#### 3.9 Acquisition of Internet-related data

For test case SPT-12 Internet-related data (i.e., bookmarks, visited sites) was not reported for the Palm Pre2.

# 3.10 Acquisition of text messages containing non-ASCII characters

For test case SPT-33, contact entries containing Chinese characters were not reported for the BlackBerry Torch, and in text messages containing the 'é' character, it was reported as '|'.

# 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 SIMs.

# 4.1 Test computers

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

February 2013

Morrisy has the following configuration:

Intel® D975XBX2 Motherboard BIOS Version BX97520J.86A.2674.2007.0315.1546 Intel® Core<sup>™</sup> 2 Duo CPU 6700 @ 2.66 Ghz 3.25 GB RAM 1.44 MB floppy drive LITE–ON CD H LH–52N1P 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	V13.1709-12-10 RM-455	AT&T
Apple iPhone	4	iOS v5.0.1 (9A405)	Verizon
HTC	Thunderbolt	Android 2.2.1	Verizon
Palm	Pre2	Palm OS	Verizon

#### 4.3 Internal memory data objects

The following data objects were used to populate the internal memory of the Smart Phones.

Data Objects	<b>Data Elements</b>
Address Book Entries	
	Regular Length
	Maximum Length
	Special Character
	Blank Name
	Regular Length, email
	Regular Length, graphic
	Deleted Entry
	Non-ASCII Entry
PIM Data	
E.I. 2012	17 6120

Data Objects	Data Elements
v	Regular Length
	Maximum Length
	Deleted Entry
	Special Character
Call Logs	<b>^</b>
	Incoming
	Outgoing
	Missed
	Incoming - Deleted
	Outgoing - Deleted
	Missed - Deleted
Text Messages	
<u> </u>	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	
	Device Specific App Data
Location Data	
	GPS Coordinates

# 4.4 Subscriber Identity Module (SIM) data objects

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

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

Table 4.4 Subscriber Identity Module (SIM) Data Objects

# 5 Test Results

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

# 5.1 Test results report key

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

Heading	Description
First Line:	Test case ID, name, and version of tool tested.
Case Summary:	Test case summary from Smart Phone Tool Test Assertion
	and Test Plan.
Assertions:	The test assertions applicable to the test case, selected from
	Smart Phone Tool Test Assertion and Test Plan.
Tester Name:	Name or initials of person executing test procedure.
Test Host:	Host computer executing the test.
Test Date:	Time and date that test was started.

Heading	Description
Device:	Source mobile device, SIM.
Source Setup:	Acquisition interface.
Log Highlights:	Information extracted from various log files to illustrate conformance or nonconformance 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)

	-01 Device Seizure 5.0 build 4582.15907	
Case	SPT-01 Acquire mobile device internal memory over tool-support	ted interface
Summary:	(e.g., cable, Bluetooth, IrDA).	
Summary: Assertions:		
	shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutiv acquisitions of the target device without error, then the pay objects) on the mobile device shall remain consistent.	-
Tester	rpa	
Name:	1 Pu	
Test Host:	Morrisy	
Test Date:	Fri Sep 21 12:18:32 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Fri Sep 21 12:18:32 EDT 2012	
	Acquisition finished: Fri Sep 21 12:22:57 EDT 2012	
	Device connectivity was established via supported interface	
Results:	Assertion & Expected Result	Actual Result
	SPT-CA-01 Device connectivity via supported interfaces.	as expected
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
	SPT-CA-29 Acquire - All data objects acquisition.	as expected
	SPT-CA-30 Select - All data objects acquisition.	as expected
	SPT-CA-31 Select - Individual data objects acquisition.	as expected
	SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.	as expected

Test Case SPT	-01 Device Seizure 5.0 build 4582.15907
Analysis:	Expected results achieved

#### 5.2.2 SPT-02 (iPhone4 GSM)

Test Case SPT	-02 Device Seizure 5.0 build 4582.15907	
Case Summary:	SPT-02 Attempt internal memory acquisition of a nonsupported mobile device.	
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device, then the tool shall notify the user that the device is not supported.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Sep 21 12:24:09 EDT 2012	
Device:	unsupported_device	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Fri Sep 21 12:24:09 EDT 2012	
	Acquisition finished: Fri Sep 21 12:26:05 EDT 2012	
	Identification of nonsupported devices was successful	
Results:		
	Assertion & Expected Result Actual Result	
	SPT-CA-02 Identification of nonsupported devices. as expected	
Analysis:	Expected results achieved	

#### 5.2.3 SPT-03 (iPhone4 GSM)

Test Case SPT	-03 Device Seizure 5.0 build 4582.15907	
Case Summary:	SPT-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.	
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted, then the tool shall notify the user that connectivity has been disrupted.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Sep 21 12:24:28 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Fri Sep 21 12:24:28 EDT 2012 Acquisition finished: Fri Sep 21 12:26:18 EDT 2012	
	Device acquisition disruption notification was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-03 Notification of device acquisition disruption.	as expected
Analysis:	Expected results achieved	

#### 5.2.4 SPT-04 (iPhone4 GSM)

Test Case SPT-04 Device Seizure 5.0 build 4582.15907

Test Case SP1	I-04 Device Seizure 5.0 build 4582.15907	
Case Summary:	SPT-04 Acquire mobile device internal memory and review reported data via the preview pane or generated reports for readability.	
Assertions:	SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Sep 21 12:28:23 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Fri Sep 21 12:28:23 EDT 2012	
	Acquisition finished: Fri Sep 21 12:29:25 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	

## 5.2.5 SPT-05 (iPhone4 GSM)

Test Case SPT	-05 Device Seizure 5.0 build 4582.15907		
Case Summary: Assertions:	SPT-05 Acquire mobile device internal memory and review reported subscriber and equipment-related information (e.g., IMEI/MEID/ESN, MSISDN). SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error, then subscriber related information shall be presented in a useable format. SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error, then equipment-related information shall be presented in a useable format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Fri Sep 21 12:29:49 EDT 2012		
Device:	iPhone4_GSM		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by Device Seizure v5.0		
Highlights:	Acquisition started: Fri Sep 21 12:29:49 EDT 2012 Acquisition finished: Fri Sep 21 12:32:54 EDT 2012		
	IMEI was acquired		
	Notes: MSISDN was not reported		
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		

# 5.2.6 SPT-06 (iPhone4 GSM)

Test Case SPT	-06 Device Seizure 5.0 build 4582.15907		
Case	SPT-06 Acquire mobile device internal memory and review repo	rted PIM-	
Summary:	related data.		
Assertions:	SPT-CA-07 If a cellular forensic tool completes acquisition		
	device without error, then address book entries shall be pre	sented in a	
	useable format.		
	SPT-CA-08 If a cellular forensic tool completes acquisition		
	device without error, then maximum length address book entri	es shall be	
	presented in a useable format.		
	SPT-CA-09 If a cellular forensic tool completes acquisition		
	device without error, then address book entries containing s	pecial	
	characters shall be presented in a useable format.		
	SPT-CA-10 If a cellular forensic tool completes acquisition		
	device without error, then address book entries containing b	lank names	
	shall be presented in a useable format.	<b>C</b> 11 1	
	SPT-CA-11 If a cellular forensic tool completes acquisition		
	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	-	
	device without error, then graphics associated with address	book entries	
	shall be presented in a useable format.	<b>C</b> 11	
	SPT-CA-13 If a cellular forensic tool completes acquisition		
	device without error, then datebook, calendar, note entries	shall be	
	presented in a useable format.	<b>C</b> 11	
	SPT-CA-14 If a cellular forensic tool completes acquisition		
	device without error, then maximum length datebook, calendar	, note entries	
	shall be presented in a useable format.		
Tester Name:			
Test Host:	rpa Morrisy		
Test Date:	Fri Sep 21 12:34:14 EDT 2012		
Device:	iPhone4_GSM		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Decup.			
Log	Created by Device Seizure v5.0		
Highlights:	Acquisition started: Fri Sep 21 12:34:14 EDT 2012		
	Acquisition finished: Fri Sep 21 12:46:12 EDT 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		
	ALL PIM-related data was acquired		
	۵.		
	Notes:		
	Graphics files associated with address book entries were not	reported.	
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	
	blank name entry.		
		as expected	
	SPT-CA-11 Acquisition of embedded email addresses within		
	SPT-CA-11 Acquisition of embedded email addresses within address book entries.	1.	
	address book entries.	Not as	
		-	
	address book entries. SPT-CA-12 Acquisition of embedded graphics within address book entries.	Not as expected	
	address book entries. SPT-CA-12 Acquisition of embedded graphics within address book entries. SPT-CA-13 Acquisition of PIM data (i.e.,	Not as	
	address book entries. SPT-CA-12 Acquisition of embedded graphics within address book entries.	Not as expected	

Test Case SPT	-06 Device Seizure 5.0 build 4582.15907
Analysis:	Partial results achieved

# 5.2.7 SPT-07 (iPhone4 GSM)

Test Case SPT	-07 Device Seizure 5.0 build 4582.15907	
Case Summary:	SPT-07 Acquire mobile device internal memory and revi	
Assertions:	SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error, then call logs (incoming/outgoing/missed) shall be presented in a useable format. SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Sep 21 12:48:48 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Fri Sep 21 12:48:48 EDT 2012 Acquisition finished: Fri Sep 21 12:57:17 EDT 2012 All Call Logs (incoming, outgoing, missed) were acquired All Call Log date/time stamps data were correctly reported Notes: Missed calls were categorized as Incoming calls.	
Results:	Assertion & Expected Result SPT-CA-15 Acquisition of call logs. SPT-CA-16 Acquisition of call log date/time stamps.	Actual Result Not as expected as expected
Analysis:	Partial results achieved	

# 5.2.8 SPT-08 (iPhone4 GSM)

Test Case SPT	-08 Device Seizure 5.0 build 4582.15907
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:	Morrisy
Test Date:	Fri Sep 21 12:49:18 EDT 2012
Device:	iPhone4_GSM
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable

Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Fri Sep 21 12:49:18 EDT 2012	
	Acquisition finished: Fri Sep 21 13:05:16 EDT 2012	
	ALL text messages (SMS, EMS) were acquired Correct date/time stamps were reported for all text message Partial status flags were reported for all text messages Sender and Recipient phone numbers associated with text mes correctly reported	
	Notes: Unread text messages were not assigned a Type i.e., UNREAD	
Dogulta:		
Results:	Agastion & Exported Regult	Actual
Results:	Assertion & Expected Result	Actual Result
Results:	Assertion & Expected Result SPT-CA-17 Acquisition of text messages.	
Results:		Result
Results:	SPT-CA-17 Acquisition of text messages.	Result           as expected
Results:	SPT-CA-17 Acquisition of text messages. SPT-CA-18 Acquisition of text message date/time stamps.	Resultas expectedas expected
Results:	SPT-CA-17 Acquisition of text messages. SPT-CA-18 Acquisition of text message date/time stamps. SPT-CA-19 Acquisition of text message status flags. SPT-CA-20 Acquisition of sender/recipient phone number	Result       as expected       as expected       Not as
Results:	SPT-CA-17 Acquisition of text messages. SPT-CA-18 Acquisition of text message date/time stamps. SPT-CA-19 Acquisition of text message status flags.	Result       as expected       as expected       Not as       expected
Results:	SPT-CA-17 Acquisition of text messages. SPT-CA-18 Acquisition of text message date/time stamps. SPT-CA-19 Acquisition of text message status flags. SPT-CA-20 Acquisition of sender/recipient phone number	Result       as expected       as expected       Not as       expected

# 5.2.9 SPT-09 (iPhone4 GSM)

Test Case SPT	-09 Device Seizure 5.0 build 4582.15907	
Case	SPT-09 Acquire mobile device internal memory and review re	ported MMS multi-
Summary:	media-related data (i.e., text, audio, graphics, video).	
Assertions:		
	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 targe device without error, then MMS messages and associated graphic files sha	
be presented in a useable format.		
	SPT-CA-23 If a cellular forensic tool completes acquisition of th	
	device without error, then MMS messages and associated vid	eo shall be
	presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Sep 21 13:08:08 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Fri Sep 21 13:08:08 EDT 2012	
	Acquisition finished: Fri Sep 21 13:38:56 EDT 2012	
	Douticl audie MMC management using a service of	
	Partial audio MMS messages were acquired	
	Image MMS messages were acquired Video MMS messages were acquired	
	Video mis messages were acquired	
	Notes:	
	Sound bytes attached to MMS messages were not reported.	
	The textual portion of the MMS messages is blank and has to be searched for	
	in the sms.db file.	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-21 Acquisition of audio MMS messages.	Not as
		expected
	SPT-CA-22 Acquisition of graphic data image MMS	as expected

Test Case SPT-09 Device Seizure 5.0 build 4582.15907		
	messages.	
	SPT-CA-23 Acquisition of video MMS messages.	as expected
Analysis:	Partial results achieved	

## 5.2.10 SPT-10 (iPhone4 GSM)

Test Case SPI	-10 Device Seizure 5.0 build 4582.15907	
Case Summary:	SPT-10 Acquire mobile device internal memory and review reported stand- alone multi-media data (i.e., audio, graphics, video).	
Assertions:	SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application. SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third- party application. SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone video files shall be presented in a useable format via either an internal application or suggested third- party application.	
Tester	rpa	
Name:	Manual ma	
Test Host:	Morrisy	
Test Date:	Fri Sep 21 13:54:13 EDT 2012	
Device:	iPhone4_GSM	
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Fri Sep 21 13:54:13 EDT 2012	
	Acquisition finished: Fri Sep 21 13:55:38 EDT 2012	
	Audio files were not acquired	
	Image files were acquired	
	Video files were not acquired	
	VIAGO IIIGD WOIG HOU AGAAIIGA	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-24 Acquisition of stand-alone audio files.	Not as expected
	SPT-CA-25 Acquisition of stand-alone graphic files.	as expected
	SPT-CA-26 Acquisition of stand-alone video files.	Not as expected
Analysis:	Expected results achieved	

## 5.2.11 SPT-12 (iPhone4 GSM)

Test Case SPT	-12 Device Seizure 5.0 build 4582.15907
Case	SPT-12 Acquire mobile device internal memory and review Internet-related
Summary:	data (i.e., bookmarks, visited sites.
Assertions:	SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error, then Internet-related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Sep 21 13:55:28 EDT 2012
Device:	iPhone4_GSM
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable

Log	Created by Device Seizure v5.0		
Highlights:	Acquisition started: Fri Sep 21 13:55:28 EDT 2012		
	Acquisition finished: Fri Sep 21 14:04:11 EDT 2012		
	All Internet-related data was acquired		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-28 Acquisition of Internet-related data.	as expected	

#### 5.2.12 SPT-13 (iPhone4 GSM)

All" device data objects acquisition option, then the tool sha the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a All" individual device data objects, then the tool shall compl acquisition of all individually selected data objects without SPT-CA-31 If a cellular forensic tool provides the user with t "Select Individual" device data objects for acquisition, then shall acquire each exclusive data object without error. Tester Name: rpa	an "Acquire all complete an "Select lete the error. the ability t	
Assertions: SPT-CA-29 If a cellular forensic tool provides the user with a All" device data objects acquisition option, then the tool sha the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a All" individual device data objects, then the tool shall compl acquisition of all individually selected data objects without SPT-CA-31 If a cellular forensic tool provides the user with t "Select Individual" device data objects for acquisition, then shall acquire each exclusive data object without error. Tester Name: rpa	all complete an "Select lete the error. the ability t	
All" device data objects acquisition option, then the tool sha the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a All" individual device data objects, then the tool shall compl acquisition of all individually selected data objects without SPT-CA-31 If a cellular forensic tool provides the user with t "Select Individual" device data objects for acquisition, then shall acquire each exclusive data object without error. Tester Name: rpa	all complete an "Select lete the error. the ability t	
	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	
Test Host: Morrisy		
Test Date: Fri Sep 21 13:07:27 EDT 2012	Fri Sep 21 13:07:27 EDT 2012	
Device: iPhone4_GSM	iPhone4_GSM	
Source OS: WIN XP v5.1.2600	OS: WIN XP v5.1.2600	
Setup: Interface: cable	Interface: cable	
Log Created by Device Seizure v5.0	Created by Device Seizure v5.0	
Highlights: Acquisition started: Fri Sep 21 13:07:27 EDT 2012		
Acquisition finished: Fri Sep 21 13:17:42 EDT 2012	Acquisition finished: Fri Sep 21 13:17:42 EDT 2012	
Acquire All acquisition was successful		
Results:		
	al Result	
SPT-CA-29 Acquire-All data objects acquisition. as ex	pected	
	pected	
SPT-CA-31 Select-Individual data objects acquisition. as ex	pected	
Analysis: Expected results achieved		

## 5.2.13 SPT-14 (iPhone4 GSM)

Test Case SPT-14 Device Seizure 5.0 build 4582.15907		
Case	SPT-14 Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	
Summary:		
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	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Fri Sep 21 14:17:30 EDT 2012	

Device:	I-14 Device Seizure 5.0 build 4582.15907		
	iPhone4_GSM		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by Device Seizure v5.0		
Highlights:	<pre>ghlights: Acquisition started: Fri Sep 21 14:17:30 EDT 2012 Acquisition finished: Fri Sep 21 14:26:03 EDT 2012 Media connectivity was established via supported interface</pre>		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-01 SIM connectivity via supported interfaces.	as expected	

# 5.2.14 SPT-15 (iPhone4 GSM)

Test Case SPT	-15 Device Seizure 5.0 build 4582.15907		
Case Summary:	SPT-15 Attempt acquisition of a nonsupported SIM.		
Assertions:	SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM, then the tool shall notify the user that the SIM is not supported.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Fri Sep 21 14:17:48 EDT 2012		
Device:	iPhone4_GSM		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Fri Sep 21 14:17:48 EDT 2012 Acquisition finished: Fri Sep 21 14:26:13 EDT 2012 Identification of nonsupported media was successful		
Results:	Assertion & Expected Result         Actual Result           SPT-A0-02 Identification of nonsupported SIMs.         as expected		
Analysis:	Expected results achieved		

# 5.2.15 SPT-16 (iPhone4 GSM)

-16 Device Seizure 5.0 build 4582.15907		
SPT-16 Begin SIM acquisition and interrupt connectivity by interface		
disengagement.		
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.		
rpa		
Morrisy		
Fri Sep 21 14:26:46 EDT 2012		
iPhone4_GSM		
OS: WIN XP v5.1.2600		
Interface: USB		
Created by Device Seizure v5.0		
Acquisition started: Fri Sep 21 14:26:46 EDT 2012		
Acquisition finished: Fri Sep 21 14:32:06 EDT 2012		

Test Case SPT-	-16 Device Seizure 5.0 build 4582.15907	
	Media acquisition disruption notification was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-03 Notification of SIM acquisition disruption.	as expected
Analysis:	Expected results achieved	

## 5.2.16 SPT-17 (iPhone4 GSM)

Test Case SPT	-17 Device Seizure 5.0 build 4582.15	907	
Case	SPT-17 Acquire SIM memory and revi	ew reported subscriberand equipment-	
Summary:	related information (i.e., SPN, ICCID, IMSI, MSISDN).		
Assertions:	SPT-A0-04 If a cellular forensic tool completes acquisition of the target SIM without error, then the SPN shall be presented in a useable format. SPT-A0-05 If a cellular forensic tool completes acquisition of the target SIM without error, then the ICCID shall be presented in a useable format. SPT-A0-06 If a cellular forensic tool completes acquisition of the target SIM without error, then the INSI shall be presented in a useable format. SPT-A0-07 If a cellular forensic tool completes acquisition of the target SIM without error, then the MSI shall be presented in a useable format. SPT-A0-07 If a cellular forensic tool completes acquisition of the target SIM without error, then the MSISDN shall be presented in a useable format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Fri Sep 21 14:28:13 EDT 2012		
Device:	iPhone4_GSM		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by Device Seizure v5.0		
Highlights:	Acquisition started: Fri Sep 21 14:28:13 EDT 2012 Acquisition finished: Fri Sep 21 14:32:13 EDT 2012 All subscriber related data (i.e., SPN, ICCID, IMSI, MSISDN) was acquired		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-04 Acquisition of SPN.	as expected	
	SPT-AO-05 Acquisition of ICCID.	as expected	
	SPT-AO-06 Acquisition of IMSI.	as expected	
	SPT-AO-07 Acquisition of MSISDN.	as expected	
Analysis:	Expected results achieved		

## 5.2.17 SPT-18 (iPhone4 GSM)

Test Case SPT	-18 Device Seizure 5.0 build 4582.15907
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 ADNs shall be presented in a useable format. SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error, then ADNs containing special characters shall be presented in a useable format. SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error, then ADNs containing blank names shall be presented in a useable format.
Tester Name:	rpa

Test Case SP	I-18 Device Seizure 5.0 build 4582.15907	
Test Host:	Morrisy	
Test Date:	Fri Sep 21 14:28:28 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Fri Sep 21 14:28:28 EDT 2012 Acquisition finished: Fri Sep 21 14:32:19 EDT 2012 All ADNs were acquired	
Results:	Assertion & Expected Result	Actual Result
	SPT-AO-08 Acquisition of ADNs.	as expected
	SPT-AO-09 Acquisition of maximum length ADNs.	as expected
	SPT-AO-10 Acquisition of special character ADNs.	as expected
		1
	SPT-AO-11 Acquisition of blank name ADNs.	as expected
	SPT-AO-11 Acquisition of blank name ADNs.	as expected

## 5.2.18 SPT-19 (iPhone4 GSM)

Test Case SP1	-19 Device Seizure 5.0 build 4582.15907			
Case	SPT-19 Acquire SIM memory and review reported Last Numbers Dialed (LND).			
Summary:				
Assertions:	SPT-AO-12 If a cellular forensic tool completes SIM without error, then Last Numbers Dialed (LND useable format. SPT-AO-13 If a cellular forensic tool completes SIM without error, then the corresponding date/t be presented in a useable format.	) shall be presented in a acquisition of the target		
Tester Name:	rpa			
Test Host:	Morrisy			
Test Date:	Fri Sep 21 14:28:43 EDT 2012			
Device:	iPhone4_GSM	iPhone4_GSM		
Source	OS: WIN XP v5.1.2600			
Setup:	Interface: USB			
Log	Created by Device Seizure v5.0			
Highlights:	Acquisition started: Fri Sep 21 14:28:43 EDT 201			
	Acquisition finished: Fri Sep 21 14:32:26 EDT 2012			
	LNDs were acquired			
	Date/Time Stamps correctly reported for LNDs			
Results:				
	Assertion & Expected Result	Actual Result		
	SPT-AO-12 Acquisition of LNDs.	as expected		
	SPT-AO-13 Acquisition of LND date/time stamps.	as expected		
Analysis:	Expected results achieved			

#### 5.2.19 SPT-20 (iPhone4 GSM)

Test Case SPT-20 Device Seizure 5.0 build 4582.15907			
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		

Test Case SPT	-20 Device Seizure 5.0 build 4582.15907		
	SIM without error, then ASCII EMS text messages shall be pre	sented in a	
	useable format.		
	SPT-AO-16 If a cellular forensic tool completes acquisition	9	
	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		
	SIM without error, then the corresponding status (i.e., read, unread)		
	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	phone numbers	
	for text messages shall be presented in a useable format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Fri Sep 21 14:29:02 EDT 2012		
Device:	iPhone4_GSM		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by Device Seizure v5.0		
Highlights:	Acquisition started: Fri Sep 21 14:29:02 EDT 2012		
	Acquisition finished: Fri Sep 21 14:32:37 EDT 2012		
	ALL text messages (SMS, EMS) were acquired		
	All date/time stamps were reported for text messages		
	Correct status flags were reported for text messages		
	Sender and Recipient phone numbers associated with text mess	ages 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	as expected	
	associated with text messages.		
Analysis:	Expected results achieved		

# 5.2.20 SPT-21 (iPhone4 GSM)

Test Case SPT-21 Device Seizure 5.0 build 4582.15907		
Case Summary:	SPT-21 Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).	
Assertions:	SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error, then deleted text messages that have not been overwritten shall be presented in a useable format.	
Tester Name:	гра	
Test Host:	Morrisy	
Test Date:	Fri Sep 21 14:29:16 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Fri Sep 21 14:29:16 EDT 2012	
	Acquisition finished: Fri Sep 21 14:32:43 EDT 2012	
	Deleted text message data was recovered	
Results:		
	Assertion & Expected Result Actual Result	

Test Case SPT-21 Device Seizure 5.0 build 4582.15907			
	SPT-AO-19 Acquisition of non-overwritten deleted text	as expected	
	messages.		
Analysis:	Expected results achieved		

# 5.2.21 SPT-22 (iPhone4 GSM)

Test Case SPI	-22 Device Seizure 5.0 build 4582.15907		
Case Summary:	SPT-22 Acquire SIM memory and review reported location-related data (i.e., LOCI, GPRSLOCI).		
Assertions:	SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., LOCI) shall be presented in a useable format. SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error, then location-related data (i.e., GRPSLOCI) shall be presented in a useable format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Fri Sep 21 14:29:33 EDT 2012		
Device:	iPhone4_GSM		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by Device Seizure v5.0		
Highlights: Acquisition started: Fri Sep 21 14:29:33 EDT 2012			
	Acquisition finished: Fri Sep 21 14:32:52 EDT 201	2	
	LOCI data was acquired		
	GPRSLOCI data was acquired		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-20 Acquisition of LOCI information.	as expected	
	SPT-AO-21 Acquisition of GPRSLOCI information.	as expected	
Analysis:	Expected results achieved		

# 5.2.22 SPT-23 (iPhone4 GSM)

Test Case SPT-23 Device Seizure 5.0 build 4582.15907		
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 Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Sep 21 14:29:47 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	

Setup:	Interface: USB	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Fri Sep 21 14:29:47 EDT 2012 Acquisition finished: Fri Sep 21 14:32:58 EDT 2012 Acquire All acquisition was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-01 SIM connectivity via supported interfaces.	as expected
	SPT-AO-01 SIM connectivity via supported interfaces. SPT-AO-22 Acquire-All data objects acquisition.	as expected as expected
		-
	SPT-AO-22 Acquire-All data objects acquisition.	as expected

## 5.2.23 SPT-24 (iPhone4 GSM)

Test Case SPT	-24 Device Seizure 5.0 build 4582.15907	
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 acquisi		-
	device without error, then the tool shall present the acqui	red data in a
	useable format via supported generated report formats.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Sep 21 14:35:14 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Fri Sep 21 14:35:14 EDT 2012	
	Acquisition finished: Fri Sep 21 14:37:44 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	

# 5.2.24 SPT-25 (iPhone4 GSM)

Test Case SPT	-25 Device Seizure 5.0 build 4582.15907
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:	Morrisy
Test Date:	Fri Sep 21 14:35:30 EDT 2012
Device:	iPhone4_GSM
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable

Created by Device Seizure v5.0	
Acquisition started: Fri Sep 21 14:35:30 EDT 2012	
Acquisition finished: Fri Sep 21 14:37:53 EDT 2012	
Complete representation of known data via preview pane was	successful
	1
Assertion & Expected Result	Actual Result
SPT-AO-26 Comparison of known device data elements via	as expected
preview pane.	
_	Acquisition started: Fri Sep 21 14:35:30 EDT 2012 Acquisition finished: Fri Sep 21 14:37:53 EDT 2012 Complete representation of known data via preview pane was Assertion & Expected Result

# 5.2.25 SPT-26 (iPhone4 GSM)

Test Case SPT	-26 Device Seizure 5.0 build 4582.15907	
Case Summary:	SPT-26 Acquire SIM memory and review reported data via supported generated report formats.	
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error, then the tool shall present the acquired data in a useable format via supported generated report formats.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Sep 21 14:35:49 EDT 2012	
Device:	iPhone4_GSM	
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Fri Sep 21 14:35:49 EDT 2012 Acquisition finished: Fri Sep 21 14:38:17 EDT 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	

## 5.2.26 SPT-27 (iPhone4 GSM)

Test Case SPT	-27 Device Seizure 5.0 build 4582.15907
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:	Morrisy
Test Date:	Fri Sep 21 14:36:05 EDT 2012
Device:	iPhone4_GSM
Source	OS: WIN XP v5.1.2600
Setup:	Interface: USB
Log	Created by Device Seizure v5.0
Highlights:	Acquisition started: Fri Sep 21 14:36:05 EDT 2012
	Acquisition finished: Fri Sep 21 14:38:32 EDT 2012

Test Case SPT-27 Device Seizure 5.0 build 4582.15907		
	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	

## 5.2.27 SPT-28 (iPhone4 GSM)

Test Case SPT	-28 Device Seizure 5.0 build 4582.15907	
Case Summary:	SPT-28 Attempt acquisition of a password-protected SIM.	
Assertions:	SPT-AO-28 If the SIM is password-protected, then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Sep 21 14:48:09 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Fri Sep 21 14:48:09 EDT 2012	
	Acquisition finished: Fri Sep 21 14:49:05 EDT 2012	
	Ability to enter PIN on protected media before acquisition was successful	
Results:		
	Assertion & Expected Result Actual Result	
	SPT-AO-28 Acquisition of password-protected SIM. as expected	
Analysis:	Expected results achieved	

# 5.2.28 SPT-29 (iPhone4 GSM)

Test Case SPT	-29 Device Seizure 5.0 build 4582.15907		
Case Summary:	SPT-29 After a successful mobile device internal memory, alter the case file via third-party means and attempt to reopen the case.		
Assertions:	SPT-AO-27 If the case file or individual data objects a third-party means, then the tool shall provide protect disallowing or reporting data modification.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Fri Sep 21 14:44:53 EDT 2012		
Device:	iPhone4_GSM		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by Device Seizure v5.0		
Highlights:	Acquisition started: Fri Sep 21 14:44:53 EDT 2012		
	Acquisition finished: Fri Sep 21 14:47:28 EDT 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	

Test Case SPT	-29 Device Seizure 5.0 build 4582.15907
Analysis:	Expected results achieved

# 5.2.29 SPT-30 (iPhone4 GSM)

Tost Coso CD	-30 Device Seizure 5.0 build 4582.15907	
Case	SPT-30 After a successful SIM acquisition, alter the case file via third-	
Summary:	party means and attempt to reopen the case.	
Assertions:	SPT-A0-27 If the case file or individual data objects are modified via	
	third-party means, then the tool shall provide protection mechanisms	
	disallowing or reporting data modification.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Sep 21 14:45:09 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Fri Sep 21 14:45:09 EDT 2012	
	Acquisition finished: Fri Sep 21 14:47:42 EDT 2012	
	Notification of modified SIM data was successful	
Results:		
	Assertion & Expected Result Actual Result	
	SPT-AO-27 Notification of modified device case data. as expected	
Analysis:	Expected results achieved	

# 5.2.30 SPT-33 (iPhone4 GSM)

Test Case SPT	-33 Device Seizure 5.0 build 4582.15907	
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:	Morrisy	
Test Date:	Fri Sep 21 14:48:35 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Fri Sep 21 14:48:35 EDT 2012 Acquisition finished: Fri Sep 21 14:49:30 EDT 2012 Non-ASCII Address book entries were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-40 Acquisition of non-ASCII address book	as expected
	entries/ADNs.	
	SPT-AO-41 Acquisition of non-ASCII text messages.	as expected

Test Case S	SPT-33 Devic	Seizure 5.0 b	build 4582.15907
Analysis:	Expected	results achie	eved

#### 5.2.31 SPT-34 (iPhone4 GSM)

Test Case SPT	-34 Device Seizure 5.0 build 4582.15907	
Case Summary:	SPT-34 Acquire SIM memory and review data containing non-	-ASCII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters, then the application should present ADNs in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters, then the application should present text messages in their native format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Sep 21 14:48:52 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Fri Sep 21 14:48:52 EDT 2012 Acquisition finished: Fri Sep 21 14:49:43 EDT 2012	
	Non-ASCII ADNs were acquired and properly displayed Non-ASCII text messages were acquired and properly displa	ayed
Results:	Assertion & Expected Result	Actual
		Result
	SPT-A0-40 Acquisition of non-ASCII address book entries/ADNs.	as expected
	SPT-AO-41 Acquisition of non-ASCII text messages.	as expected

## 5.2.32 SPT-35 (iPhone4 GSM)

Test Case SPT	-35 Device Seizure 5.0 build 4582.15907
Case Summary:	SPT-35 Begin acquisition on a PIN protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.
Assertions:	SPT-AO-29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts, then the application should provide an accurate count of the remaining PIN attempts.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Sep 21 14:50:19 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Fri Sep 21 14:50:19 EDT 2012 Acquisition finished: Fri Sep 21 14:53:15 EDT 2012 The remaining number of PIN attempts were properly displayed
Results:	Assertion & Expected Result Actual Result

February 2013

Results Device Seizure v5.0

Test Case SPT	-35 Device Seizure 5.0 build 4582.15907
	SPT-AO-29 Display remaining number of PIN attempts. as expected
Analysis:	Expected results achieved

# 5.2.33 SPT-36 (iPhone4 GSM)

Test Case SPT	-36 Device Seizure 5.0 build 4582.15907	
Case Summary:	SPT-36 Begin acquisition on a SIM whose PIN attempts determine if the tool provides an accurate count of t 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 applicatio accurate count of the remaining PUK attempts.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Sep 21 14:50:32 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Fri Sep 21 14:50:32 EDT 2012 Acquisition finished: Fri Sep 21 14:53:30 EDT 2012 Remaining number of PUK attempts were properly displa	yed
Results:	Assertion & Expected Result SPT-AO-30 Display remaining number of PUK attempts.	Actual Result as expected
Analysis:	Expected results achieved	

# 5.2.34 SPT-38 (iPhone4 GSM)

1000 0000 211	2-38 Device Seizure 5.0 build 4582.15907	
Case	SPT-38 Acquire mobile device internal memory and review h	ash values for
Summary:	vendor supported data objects.	
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing	
	data objects, then the tool shall present the user with a	hash value for
	each supported data object.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Sep 21 14:53:59 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Fri Sep 21 14:53:59 EDT 2012	
	Acquisition finished: Fri Sep 21 14:58:02 EDT 2012	
	Hash values were properly reported for individually acqui elements	red device data
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-43 Acquire data, check known hash values for	as expected
	consistency.	-

Test Case SPT-	-38 Device Seizure 5.0 build 4582.15907
Analysis:	Expected results achieved

# 5.2.35 SPT-39 (iPhone4 GSM)

Test Case SPT	-39 Device Seizure 5.0 build 4582.15907	
Case Summary:	SPT-39 Acquire SIM memory and review hash values for vendor supported data objects.	
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for data objects, then the tool shall present the user with a ha each supported data object.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Sep 21 14:54:17 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Fri Sep 21 14:54:17 EDT 2012 Acquisition finished: Fri Sep 21 14:58:14 EDT 2012 Hash values were properly reported for individually acquired SIM data elements	
Results:	Assertion & Expected Result	Actual Result
	SPT-A0-43 Acquire data, check known hash values for consistency.	as expected
Analysis:	Expected results achieved	

## 5.2.36 SPT-01 (BlackBerry Torch)

Test Case SPT	-01 Device Seizure 5.0 build 4582.15907
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 Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Sep 24 12:38:24 EDT 2012
Device:	BlackBerry_Torch
Source	OS: WIN XP v5.1.2600

Setup:	Interface: cable	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 12:38:24 EDT 2012 Acquisition finished: Mon Sep 24 12:39:50 EDT 2012 Device connectivity was established via supported interface	
Results:	Assertion & Expected Result	Actual Result
	SPT-CA-01 Device connectivity via supported interfaces.	as expected
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
	SPT-CA-29 Acquire-All data objects acquisition.	as expected
	SPT-CA-30 Select-All data objects acquisition.	as expected
	SPT-CA-31 Select-Individual data objects acquisition.	as expected
	SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.	as expected
Analysis:	Expected results achieved	

## 5.2.37 SPT-02 (BlackBerry Torch)

Test Case SPT	-02 Device Seizure 5.0 build 4582.15907	
Case Summary:	SPT-02 Attempt internal memory acquisition of a nonsupported mobile device.	
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device, then the tool shall notify the user that the device is not supported.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Sep 24 12:58:44 EDT 2012	
Device:	unsupported_device	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Mon Sep 24 12:58:44 EDT 2012	
	Acquisition finished: Mon Sep 24 13:00:48 EDT 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	

# 5.2.38 SPT-03 (BlackBerry Torch)

Test Case SPT	-03 Device Seizure 5.0 build 4582.15907
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:	Morrisy
Test Date:	Mon Sep 24 13:00:40 EDT 2012
Device:	BlackBerry_Torch

Test Case SPI	-03 Device Seizure 5.0 build 4582.15907	
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 13:00:40 EDT 2012 Acquisition finished: Mon Sep 24 13:01:00 EDT 2012 Device acquisition disruption notification was successful	
Results:	Assertion & Expected Result SPT-CA-03 Notification of device acquisition disruption.	Actual Result as expected
Analysis:	Expected results achieved	

# 5.2.39 SPT-04 (BlackBerry Torch)

Test Case SP	I-04 Device Seizure 5.0 build 4582.15907	
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:	Morrisy	
Test Date:	Mon Sep 24 12:59:06 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Mon Sep 24 12:59:06 EDT 2012	
	Acquisition finished: Mon Sep 24 13:01:14 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	

# 5.2.40 SPT-05 (BlackBerry Torch)

Test Case SPT	-05 Device Seizure 5.0 build 4582.15907
Case	SPT-05 Acquire mobile device internal memory and review reported subscriber
Summary:	and equipment-related information (e.g., IMEI/MEID/ESN, MSISDN).
Assertions:	SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error, then subscriber related information shall be presented in a useable format. SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error, then equipment-related information shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Sep 24 12:59:33 EDT 2012
Device:	BlackBerry_Torch
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable

Test Case SPI	I-05 Device Seizure 5.0 build 4582.15907		
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 12:59:33 Acquisition finished: Mon Sep 24 13:01:30 Subscriber and Equipment-related data (i.	EDT 2012	were acquired
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-05 Acquisition of MSISDN, IMSI.	as expected	
	SPT-CA-06 Acquisition of IMEI/MEID/ESN.	as expected	
Analysis:	Expected results achieved		

# 5.2.41 SPT-06 (BlackBerry Torch)

Test Case SPT	-06 Device Seizure 5.0 build 4582.15907
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-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.
	shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Sep 24 13:04:22 EDT 2012
Device:	BlackBerry_Torch
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 13:04:22 EDT 2012
	Acquisition finished: Mon Sep 24 13:07:21 EDT 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 ALL PIM-related data was acquired
	Notes: Graphics files associated with address book entries were not reported.

Test Case SPT-	-06 Device Seizure 5.0 build 4582.15907	
	Assertion & Expected Result	Actual Result
	SPT-CA-07 Acquisition of address book entries.	as expected
	SPT-CA-08 Acquisition of maximum length address book entries.	as expected
	SPT-CA-09 Acquisition of address book entries containing special characters.	as expected
	SPT-CA-10 Acquisition of address book entries containing a blank name entry.	as expected
	SPT-CA-11 Acquisition of embedded email addresses within address book entries.	as expected
	SPT-CA-12 Acquisition of embedded graphics within address book entries.	Not as expected
	SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	as expected
	SPT-CA-14 Acquisition of maximum length PIM data.	as expected
Analysis:	Expected results not achieved	

# 5.2.42 SPT-07 (BlackBerry Torch)

Test Case SPT	-07 Device Seizure 5.0 build 4582.15907	
Case Summary:	SPT-07 Acquire mobile device internal memory and revi	ew reported call logs.
Assertions:	SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error, then call logs (incoming/outgoing/missed) shall be presented in a useable format. SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Sep 24 13:27:57 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 13:27:57 EDT 2012 Acquisition finished: Mon Sep 24 13:30:30 EDT 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	

# 5.2.43 SPT-08 (BlackBerry Torch)

Test Case SPT-08 Device Seizure 5.0 build 4582.15907		
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.	

Test Case SPT	-08 Device Seizure 5.0 build 4582.15907	
	SPT-CA-19 If a cellular forensic tool completes acquisition device without error, then the corresponding status (i.e., p for text messages shall be presented in a useable format. SPT-CA-20 If a cellular forensic tool completes acquisition device without error, then the corresponding sender / recip: numbers for text messages shall be presented in a useable for	read, unread) of the target ient phone
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Sep 24 13:28:15 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 13:28:15 EDT 2012 Acquisition finished: Mon Sep 24 13:30:44 EDT 2012 ALL text messages (SMS, EMS) were acquired Correct date/time stamps were reported for all text messages Correct status flags were reported for all text messages Sender and Recipient phone numbers associated with text mess 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
And Joseph and		
Analysis:	Expected results achieved	

# 5.2.44 SPT-09 (BlackBerry Torch)

Test Case SPT	-09 Device Seizure 5.0 build 4582.15907
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 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 vielo shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Sep 24 13:38:57 EDT 2012
Device:	BlackBerry_Torch
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by Device Seizure v5.0
Highlights:	Acquisition started: Mon Sep 24 13:38:57 EDT 2012
	Acquisition finished: Mon Sep 24 13:43:26 EDT 2012
	Partial audio MMS messages were acquired
	Partial image MMS messages were acquired
	Partial video MMS messages were acquired
	Notes:

	Acquisition of attached audio, graphics, and video were	re not reported.
Results:	Assertion & Expected Result	Actual Result
	SPT-CA-21 Acquisition of audio MMS messages.	Not as expected
	SPT-CA-22 Acquisition of graphic data image MMS messages.	Not as expected
	SPT-CA-23 Acquisition of video MMS messages.	Not as expected

## 5.2.45 SPT-10 (BlackBerry Torch)

Test Case SPI	-10 Device Seizure 5.0 build 4582.15907		
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:	190		
Test Host:	Morrisy		
Test Date:	Mon Sep 24 13:31:25 EDT 2012		
Device:	BlackBerry_Torch		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 13:31:25 EDT 2012		
	Acquisition finished: Mon Sep 24 13:33:14 EDT 2012		
	Audio files were not acquired		
	Image files were not acquired		
	Video files were not acquired		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-24 Acquisition of stand-alone audio files.	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		

# 5.2.46 SPT-12 (BlackBerry Torch)

Test Case SPT-12 Device Seizure 5.0 build 4582.15907		
Case	SPT-12 Acquire mobile device internal memory and review Internet-related	
Summary:	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	

Test Case SPT	-12 Device Seizure 5.0 build 4582.15907	
	format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Sep 24 13:49:17 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Mon Sep 24 13:49:17 EDT 2012	
	Acquisition finished: Mon Sep 24 13:51:53 EDT 201	2
	All Internet-related data was acquired	
Results:		
100 di 00	Assertion & Expected Result	Actual Result
	SPT-CA-28 Acquisition of Internet-related data.	as expected
		-
Analysis:	Expected results achieved	
Anarysis.	Expected reputes defineded	

# 5.2.47 SPT-13 (BlackBerry Torch)

Test Case SPT	-13 Device Seizure 5.0 build 4582.15907		
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:	Morrisy		
Test Date:	Mon Sep 24 12:38:53 EDT 2012		
Device:	BlackBerry_Torch		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by Device Seizure v5.0		
Highlights:	Acquisition started: Mon Sep 24 12:38:53 EDT 2012 Acquisition finished: Mon Sep 24 12:40:03 EDT 2012		
	Acquire All acquisition was successful		
Results:		1	
	Assertion & Expected Result	Actual Result	
	SPT-CA-29 Acquire-All data objects acquisition.	as expected	
	SPT-CA-30 Select-All data objects acquisition.	as expected	
	SPT-CA-31 Select-Individual data objects acquisition.	as expected	
Analysis:	Expected results achieved		

## 5.2.48 SPT-14 (BlackBerry Torch)

Test Case SPT-14 Device Seizure 5.0 build 4582.15907			
Case	SPT-14 Acquire SIM memory over supported interfaces (e.g., PC/SC reader).		
Summary:			
Assertions:	SPT-A0-01 If a cellular forensic tool provides support for connectivity of		

Test Case SP	I-14 Device Seizure 5.0 build 4582.15907		
	the target SIM, then the tool shall successfully recog via all tool-supported interfaces (e.g., PC/SC reader, Smart Phone itself).	-	
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Mon Sep 24 08:21:23 EDT 2012		
Device:	BlackBerry_Torch		
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB		
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 08:21:23 EDT 2012 Acquisition finished: Mon Sep 24 08:26:18 EDT 2012 Media connectivity was established via supported interface		
Results:	Assertion & Expected Result SPT-AO-01 SIM connectivity via supported interfaces.	Actual Result as expected	
Analysis:	Expected results achieved		

## 5.2.49 SPT-15 (BlackBerry Torch)

Test Case SPT	-15 Device Seizure 5.0 build 4582.15907		
Case Summary:	SPT-15 Attempt acquisition of a nonsupported SIM.		
Assertions:	SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM, then the tool shall notify the user that the SIM is not supported.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Mon Sep 24 08:22:28 EDT 2012		
Device:	BlackBerry_Torch		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 08:22:28 EDT 2012 Acquisition finished: Mon Sep 24 08:26:34 EDT 2012 Identification of nonsupported media was successful		
Results:	Assertion & Expected ResultActual ResultSPT-A0-02 Identification of nonsupported SIMs.as expected		
Analysis:	Expected results achieved		

## 5.2.50 SPT-16 (BlackBerry Torch)

Test Case SPT-	-16 Device Seizure 5.0 build 4582.15907
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:	Morrisy
Test Date:	Mon Sep 24 08:22:57 EDT 2012

Test Case SPI	-16 Device Seizure 5.0 build 4582.15907		
Device:	BlackBerry_Torch		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by Device Seizure v5.0		
Highlights:	Acquisition started: Mon Sep 24 08:22:57 EDT 2012		
	Acquisition finished: Mon Sep 24 08:26:47 EDT 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		

# 5.2.51 SPT-18 (BlackBerry Torch)

Test Case SPT	-18 Device Seizure 5.0 build 4582.15907		
Case	SPT-18 Acquire SIM memory and review reported Abbreviated Dialing Numbers		
Summary:	(ADN).		
Assertions:	<pre>(ADN). SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error, then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format. SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error, then maximum length ADNs shall be presented in a useable format. SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error, then ADNs containing special characters shall be presented in a useable format. SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error, then ADNs containing blank names shall be presented in a useable format.</pre>		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Mon Sep 24 08:23:50 EDT 2012		
Device:	BlackBerry_Torch		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by Device Seizure v5.0		
Highlights:	Acquisition started: Mon Sep 24 08:23:50 EDT 2012		
	Acquisition finished: Mon Sep 24 08:27:54 EDT 2012		
	All ADNs were acquired		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-08 Acquisition of ADNs.	as expected	
	SPT-AO-09 Acquisition of maximum length ADNs.	as expected	
	SPT-AO-10 Acquisition of special character ADNs.	as expected	
	SPT-AO-11 Acquisition of blank name ADNs.	as expected	
Analysis:	Expected results achieved		

## 5.2.52 SPT-19 (BlackBerry Torch)

Test Case SPT	est Case SPT-19 Device Seizure 5.0 build 4582.15907		
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 acquisition of the target		

Test Case SPT	-19 Device Seizure 5.0 build 4582.15907	
	SIM without error, then the corresponding date/t. be presented in a useable format.	ime stamps for LNDs shall
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Sep 24 08:24:21 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 08:24:21 EDT 201 Acquisition finished: Mon Sep 24 08:28:08 EDT 20 LNDs were acquired Date/Time Stamps correctly reported for LNDs	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-A0-12 Acquisition of LNDs.	as expected
	SPT-AO-13 Acquisition of LND date/time stamps.	as expected
Analysis:	Expected results achieved	

# 5.2.53 SPT-20 (BlackBerry Torch)

Test Case SPT	-20 Device Seizure 5.0 build 4582.15907	
Case	SPT-20 Acquire SIM memory and review reported text messages (S	SMS, EMS).
Summary:		
Assertions:	SPT-AO-14 If a cellular forensic tool completes acquisition of SIM without error, then ASCII SMS text messages shall be prese useable format. SPT-AO-15 If a cellular forensic tool completes acquisition of SIM without error, then ASCII EMS text messages shall be prese 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 p for text messages shall be presented in a useable format.	ented in a the target ented in a the target all text the target unread) for the target
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Sep 24 08:30:15 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 08:30:15 EDT 2012 Acquisition finished: Mon Sep 24 08:34:32 EDT 2012 ALL text messages (SMS, EMS) were acquired All date/time stamps were reported for text messages Correct status flags were reported for text messages Sender and Recipient phone numbers associated with text messages were correctly reported	
Results:	Assertion & Expected Result	Actual
	Abbeition & Expected Result	Result

Test Case SPT	-20 Device Seizure 5.0 build 4582.15907	
	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	as expected
	associated with text messages.	
Analysis:	Expected results achieved	

## 5.2.54 SPT-21 (BlackBerry Torch)

Test Case SPT	-21 Device Seizure 5.0 build 4582.15907	
Case Summary:	SPT-21 Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).	
Assertions:	SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error, then deleted text messages that have not been overwritten shall be presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Sep 24 08:30:41 EDT 2012	
Device:	BlackBerry_Torch	
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 08:30:41 EDT 2012 Acquisition finished: Mon Sep 24 08:35:03 EDT 2012 Deleted text message data was recovered	
Results:	Assertion & Expected Result SPT-AO-19 Acquisition of non-overwritten deleted text messages.	Actual Result as expected
Analysis:	Expected results achieved	

## 5.2.55 SPT-22 (BlackBerry Torch)

Test Case SPT	-22 Device Seizure 5.0 build 4582.15907
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:	Morrisy
Test Date:	Mon Sep 24 08:31:01 EDT 2012
Device:	BlackBerry_Torch
Source	OS: WIN XP v5.1.2600
Setup:	Interface: USB
Log	Created by Device Seizure v5.0
Highlights:	Acquisition started: Mon Sep 24 08:31:01 EDT 2012
	Acquisition finished: Mon Sep 24 08:35:21 EDT 2012
	LOCI data was acquired
	GPRSLOCI data was acquired

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

## 5.2.56 SPT-23 (BlackBerry Torch)

Test Case SP1	2-23 Device Seizure 5.0 build 4582.15907	
Case	SPT-23 Acquire SIM memory by selecting a combination of supported data	
Summary:	elements.	
Assertions:	SPT-A0-01 If a cellular forensic tool provides support the target SIM, then the tool shall successfully recogn via all tool-supported interfaces (e.g., PC/SC reader, Smart Phone itself). SPT-A0-22 If a cellular forensic tool provides the user All" SIM data objects acquisition option, then the tool acquisition of all data objects without error. SPT-A0-23 If a cellular forensic tool provides the user All" individual SIM data objects, then the tool shall c acquisition of all individually selected data objects w SPT-A0-24 If a cellular forensic tool provides the user "Select Individual" SIM data objects for acquisition, t acquire each exclusive data object without error.	ize the target SIM proprietary reader, with an "Acquire shall complete the with an "Select omplete the ithout error. with the ability to
Tester	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Mon Sep 24 08:31:23 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Mon Sep 24 08:31:23 EDT 2012	
	Acquisition finished: Mon Sep 24 08:35:36 EDT 2012	
	Acquire All acquisition was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-01 SIM connectivity via supported interfaces.	as expected
	SPT-AO-22 Acquire-All data objects acquisition.	as expected
	SPT-AO-23 Select-All data objects acquisition.	as expected
	SPT-AO-24 Select-Individual data objects acquisition.	as expected
		<u> </u>
Analysis:	Expected results achieved	

# 5.2.57 SPT-24 (BlackBerry Torch)

Test Case SPT	Test Case SPT-24 Device Seizure 5.0 build 4582.15907	
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:	Morrisy	
Test Date:	Mon Sep 24 13:59:01 EDT 2012	
Device:	BlackBerry_Torch	

Test Case SPI	-24 Device Seizure 5.0 build 4582.15907	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 13:59:01 EDT 2012 Acquisition finished: Mon Sep 24 14:00:45 EDT 2012	
Results:	Complete representation of known data via generated report	s was successful
	Assertion & Expected Result	Actual Result
	SPT-AO-25 Comparison of known device data elements via generated reports.	as expected
Analysis:	Expected results achieved	

## 5.2.58 SPT-25 (BlackBerry Torch)

Test Case SPT	-25 Device Seizure 5.0 build 4582.15907	
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:	Morrisy	
Test Date:	Mon Sep 24 13:59:21 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 13:59:21 EDT 2012 Acquisition finished: Mon Sep 24 14:01:03 EDT 2012	
	Complete representation of known data via preview pane was	successful
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-26 Comparison of known device data elements via preview pane.	as expected
Analysis:	Expected results achieved	

# 5.2.59 SPT-26 (BlackBerry Torch)

Test Case SPT	-26 Device Seizure 5.0 build 4582.15907
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 Host:	Morrisy
Test Date:	Mon Sep 24 08:32:41 EDT 2012
Device:	BlackBerry_Torch
Source	OS: WIN XP v5.1.2600
Setup:	Interface: USB
Log	Created by Device Seizure v5.0

Test Case SPI	I-26 Device Seizure 5.0 build 4582.15907	
Highlights:	Acquisition started: Mon Sep 24 08:32:41 EDT 2012 Acquisition finished: Mon Sep 24 08:36:27 EDT 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 generated reports.	as expected
Analysis:	Expected results achieved	

## 5.2.60 SPT-27 (BlackBerry Torch)

Test Case SPT	-27 Device Seizure 5.0 build 4582.15907	
Case Summary:	SPT-27 Acquire SIM memory and review reported data via the preview pane.	
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the SIM without error, then the tool shall present the acquired data in a useable format in a preview pane view.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Sep 24 08:33:14 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 08:33:14 EDT 2012 Acquisition finished: Mon Sep 24 08:36:41 EDT 2012 Complete representation of known data via preview pane was successful	
Results:	Assertion & Expected Result	Actual Result
	SPT-AO-26 Comparison of known device data elements via preview pane.	as expected
Analysis:	Expected results achieved	

# 5.2.61 SPT-28 (BlackBerry Torch)

Test Case SPT	-28 Device Seizure 5.0 build 4582.15907
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:	Morrisy
Test Date:	Mon Sep 24 08:33:40 EDT 2012
Device:	BlackBerry_Torch
Source	OS: WIN XP v5.1.2600
Setup:	Interface: USB
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 08:33:40 EDT 2012 Acquisition finished: Mon Sep 24 08:36:57 EDT 2012

# Test Case SPT-28 Device Seizure 5.0 build 4582.15907 Ability to enter PIN on protected media before acquisition was successful Results: Assertion & Expected Result Assertion & Expected Result Actual Result SPT-A0-28 Acquisition of password protected SIM. as expected Analysis: Expected results achieved

#### 5.2.62 SPT-29 (BlackBerry Torch)

Test Case SPT	-29 Device Seizure 5.0 build 4582.15907	
Case Summary:	SPT-29 After a successful mobile device internal memor file via third-party means and attempt to reopen the c	-
Assertions:	SPT-AO-27 If the case file or individual data objects third-party means, then the tool shall provide protect disallowing or reporting data modification.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Sep 24 14:01:41 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Mon Sep 24 14:01:41 EDT 2012	
	Acquisition finished: Mon Sep 24 14:02:52 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	

#### 5.2.63 SPT-30 (BlackBerry Torch)

Test Case SPT	-30 Device Seizure 5.0 build 4582.15907	
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:	Morrisy	
Test Date:	Mon Sep 24 08:42:17 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Mon Sep 24 08:42:17 EDT 2012	
	Acquisition finished: Mon Sep 24 08:55:37 EDT 2012	
	Notification of modified SIM data was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-27 Notification of modified device case data.	as expected

Test Case SPT	-30 Device Seizure 5.0 build 4582.15907
Analysis:	Expected results achieved

# 5.2.64 SPT-33 (BlackBerry Torch)

Test Case SPT	-33 Device Seizure 5.0 build 4582.15907		
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:	Morrisy		
Test Date:	Mon Sep 24 14:03:35 EDT 2012		
Device:	BlackBerry_Torch		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log Highlights: Acquisition started: Mon Sep 24 14:03:35 EDT 2012 Acquisition finished: Mon Sep 24 14:10:19 EDT 2012 Non-ASCII Address book entries were not acquired Non-ASCII text messages were acquired and properly displayed <u>Notes</u> : Contact entries made up of Chinese characters were not reported. Text messages containing the charactere é was reported as		orted.	
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.	Not as	
	SIT NO II NEQUISICION OF NON ADOLL CORE MESSAGES.	expected	
Analysis:	Expected results not achieved		

# 5.2.65 SPT-34 (BlackBerry Torch)

Test Case SPT	-34 Device Seizure 5.0 build 4582.15907	
Case Summary:	SPT-34 Acquire SIM memory and review data containing non-ASCII characters.	
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters, then the application should present ADNs in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non- ASCII characters, then the application should present text messages in their native format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Sep 24 08:42:47 EDT 2012	
Device:	BlackBerry_Torch	
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 08:42:47 EDT 2012 Acquisition finished: Mon Sep 24 08:56:03 EDT 2012	

Test Case SP	Test Case SPT-34 Device Seizure 5.0 build 4582.15907	
	Non-ASCII ADNs were acquired and properly displayed Non-ASCII text messages were acquired and properly disp	layed
Results:		
	Assertion & Expected Result	Actual
		Result
	SPT-AO-40 Acquisition of non-ASCII address book	as expected
	entries/ADNs.	
	SPT-AO-41 Acquisition of non-ASCII text messages.	as expected
Analysis:	Expected results achieved	

## 5.2.66 SPT-35 (BlackBerry Torch)

Test Case SPT	-35 Device Seizure 5.0 build 4582.15907	
Case Summary:	SPT-35 Begin acquisition on a PIN protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.	
Assertions:	SPT-AO-29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts, then the application should provide an accurate count of the remaining PIN attempts.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Sep 24 08:53:13 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 08:53:13 EDT 2012 Acquisition finished: Mon Sep 24 08:56:29 EDT 2012 The remaining number of PIN attempts were properly di	splayed
Results:	Assertion & Expected Result SPT-AO-29 Display remaining number of PIN attempts.	Actual Result as expected
Analysis:	Expected results achieved	

# 5.2.67 SPT-36 (BlackBerry Torch)

Test Case SPT	-36 Device Seizure 5.0 build 4582.15907
Case Summary: Assertions:	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. SPT-AO-30 If a cellular forensic tool provides the examiner with the
	remaining number of PUK attempts, then the application should provide an accurate count of the remaining PUK attempts.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Sep 24 08:53:37 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 08:53:37 EDT 2012 Acquisition finished: Mon Sep 24 08:56:50 EDT 2012

Test Case SP	I-36 Device Seizure 5.0 build 4582.15907	
	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
Results:	-	
	Expected results achieved	

# 5.2.68 SPT-38 (BlackBerry Torch)

Test Case SPT	-38 Device Seizure 5.0 build 4582.15907	
Case Summary:	SPT-38 Acquire mobile device internal memory and review hash values for vendor supported data objects.	
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects, then the tool shall present the user with a hash value for each supported data object.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Sep 24 14:16:06 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 14:16:06 EDT 2012 Acquisition finished: Mon Sep 24 14:18:14 EDT 2012 Hash values were properly reported for individually acquired device data elements	
Results:	Assertion & Expected Result SPT-AO-43 Acquire data, check known hash values for consistency.	Actual Result as expected
Analysis:	Expected results achieved	

# 5.2.69 SPT-39 (BlackBerry Torch)

Test Case SPT-	-39 Device Seizure 5.0 build 4582.15907
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:	Morrisy
Test Date:	Mon Sep 24 08:54:07 EDT 2012
Device:	BlackBerry_Torch
Source	OS: WIN XP v5.1.2600
Setup:	Interface: USB
Log	Created by Device Seizure v5.0
Highlights:	Acquisition started: Mon Sep 24 08:54:07 EDT 2012
	Acquisition finished: Mon Sep 24 08:57:24 EDT 2012
	Hash values were properly reported for individually acquired SIM data elements

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

# 5.2.70 SPT-01 (Nokia 6350)

Test Case SPI	I-01 Device Seizure 5.0 build 4582.15907		
Case	SPT-01 Acquire mobile device internal memory over tool-suppo	rted 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 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:	Morrisy		
Test Date:	Mon Sep 24 07:11:00 EDT 2012		
Device: Source	Nokia6350		
Setup:	OS: WIN XP v5.1.2600 Interface: cable		
beeup.			
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 07:11:00 EDT 2012 Acquisition finished: Mon Sep 24 07:12:34 EDT 2012 Device Connectivity was not established via supported interface <u>Notes</u> : The following error message was reported after attempting connectivity: Acquisition process has failed Result: Connection Error		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-01 Device connectivity via supported interfaces.	Not as expected	
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	NA	
	SPT-CA-29 Acquire-All data objects acquisition.	NA	
	SPT-CA-30 Select-All data objects acquisition.	NA	
	SPT-CA-31 Select-Individual data objects acquisition.	NA	
	SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.	NA	
Analysis:	Expected results not achieved		

#### 5.2.71 SPT-14 (Nokia 6350)

Test Case SPI	2-14 Device Seizure 5.0 build 4582.15907	
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	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Mon Sep 24 07:14:19 EDT 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Mon Sep 24 07:14:19 EDT 2012	
	Acquisition finished: Mon Sep 24 07:17:19 EDT 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	

# 5.2.72 SPT-15 (Nokia 6350)

Test Case SPT	-15 Device Seizure 5.0 build 4582.15907	
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:	Morrisy	
Test Date:	Mon Sep 24 07:14:35 EDT 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Mon Sep 24 07:14:35 EDT 2012	
	Acquisition finished: Mon Sep 24 07:17:35 EDT 2012	
	Identification of nonsupported media was successful	
Results:		
	Assertion & Expected Result Actual Result	
	SPT-AO-02 Identification of nonsupported SIMs. as expected	
Analysis:	Expected results achieved	

#### 5.2.73 SPT-16 (Nokia 6350)

Test Case SPT-	-16 Device Seizure 5.0 build 4582.15907
Case	SPT-16 Begin SIM acquisition and interrupt connectivity by interface

Summary:	disengagement.	
Assertions:	SPT-AO-03 If a cellular forensic tool loses connectivit	y with the SIM
	reader, then the tool shall notify the user that connec	tivity has been
	disrupted.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Sep 24 07:15:06 EDT 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Mon Sep 24 07:15:06 EDT 2012	
	Acquisition finished: Mon Sep 24 07:17:50 EDT 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	

#### 5.2.74 SPT-17 (Nokia 6350)

Test Case SPT-	-17 Device Seizure 5.0 build 4582.15	907	
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:	Morrisy		
Test Date:	Mon Sep 24 08:23:25 EDT 2012		
Device:	BlackBerry_Torch		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by Device Seizure v5.0		
Highlights:	Acquisition started: Mon Sep 24 08:23:25 EDT 2012 All subscriber related data (i.e., SPN, ICCID, IMSI, MSISDN) was acquired		
Results:			
	Assertion & Expected Result Actual Result		
	SPT-AO-04 Acquisition of SPN. as expected		
	SPT-AO-05 Acquisition of ICCID. as expected		
	SPT-AO-06 Acquisition of IMSI. as expected		
	SPT-AO-07 Acquisition of MSISDN. as expected		
Analysis:	Expected results achieved		

#### 5.2.75 SPT-18 (Nokia 6350)

Test Case SPT-18 Device Seizure 5.0 build 4582.15907

Case SPT-18 Acquire SIM memory and review reported Abbreviated Dialing Numbers

Test Case SPT	-18 Device Seizure 5.0 build 4582.15907		
Summary:	(ADN).		
Assertions:	<pre>SPT-A0-08 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-A0-09 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-A0-10 If a cellular forensic tool completes acquisition of the SIM without error, then ADNs containing special characters shall be presented in a useable format. SPT-A0-11 If a cellular forensic tool completes acquisition of the SIM without error, then ADNs containing blank names shall be presented in a useable format.</pre>		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Mon Sep 24 07:19:07 EDT 2012		
Device:	Nokia6350		
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB		
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 07:19:07 EDT 2012 Acquisition finished: Mon Sep 24 07:34:24 EDT 2012 All ADNs were acquired		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-08 Acquisition of ADNs.	as expected	
	SPT-AO-09 Acquisition of maximum length ADNs.	as expected	
	SPT-AO-10 Acquisition of special character ADNs.	as expected	
	SPT-AO-11 Acquisition of blank name ADNs.	as expected	
Analysis:	Expected results achieved		

# 5.2.76 SPT-19 (Nokia 6350)

Test Case SPT	-19 Device Seizure 5.0 build 4582.15907		
Case Summary:	SPT-19 Acquire SIM memory and review reported Last Numbers Dialed (LND).		
Assertions:	SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error, then Last Numbers Dialed (LND) shall be presented in a useable format. SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error, then the corresponding date/time stamps for LNDs shall be presented in a useable format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Mon Sep 24 07:19:32 EDT 2012		
Device:	Nokia6350		
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB		
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 07:19:32 EDT 2012 Acquisition finished: Mon Sep 24 07:34:36 EDT 2012 LNDs were acquired Date/Time Stamps correctly reported for LNDs		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-12 Acquisition of LNDs.	as expected	
	SPT-AO-13 Acquisition of LND date/time stamps.	as expected	

Test Case SPT-19 Device Seizure 5.0 build 4582.15907

Analysis:

Expected results achieved

## 5.2.77 SPT-20 (Nokia 6350)

Test Case SPT	-20 Device Seizure 5.0 build 4582.15907		
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:	702		
Test Host:	rpa Morrigu		
Test Date:	Morrisy Mon Sep 24 07:35:10 EDT 2012		
Device:			
Source	Nokia6350		
Source Setup:	OS: WIN XP v5.1.2600		
Secup:	Interface: USB		
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 07:35:10 EDT 2012 Acquisition finished: Mon Sep 24 07:38:27 EDT 2012 ALL text messages (SMS, EMS) were acquired All date/time stamps were reported for text messages Correct status flags were reported for text messages Sender and Recipient phone numbers associated with text messages were correctly reported		
Results:	Assertion & Expected Result	Actual Result	
	SPT-AO-14 Acquisition of SMS messages.	as expected	
	SPT-AO-15 Acquisition of EMS messages.	as expected	
	SPT-AO-16 Acquisition of text message date/time stamps.	as expected	
	SPT-AO-17 Acquisition of text message status flags.	as expected	
	SPT-A0-18 Acquisition of sender/recipient phone number associated with text messages.	as expected	
Analysis:	Expected results achieved		

#### 5.2.78 SPT-21 (Nokia 6350)

Test Case SPT-21 Device Seizure 5.0 build 4582.15907		
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	

February 2013

Test Case SP	I-21 Device Seizure 5.0 build 4582.15907	
Test Host:	Morrisy	
Test Date:	Mon Sep 24 07:35:27 EDT 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by Device Seizure v5.0	
Highlights: Acquisition started: Mon Sep 24 07:35:27 EDT 2012		
	Acquisition finished: Mon Sep 24 07:39:13 EDT 2012	
	Deleted text message data was recovered	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-19 Acquisition of non-overwritten deleted text	as expected
	messages.	

## 5.2.79 SPT-22 (Nokia 6350)

Test Case SPI	-22 Device Seizure 5.0 build 4582.15907		
Case	SPT-22 Acquire SIM memory and review reported location-related data (i.e.,		
Summary:	LOCI, GPRSLOCI).		
Assertions:	SPT-A0-20 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-A0-21 If a cellular forensic tool completes acquisition of the targ		
	SIM without error, then location-related data (i	.e., GRPSLOCI) shall be	
	presented in a useable format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Mon Sep 24 07:35:46 EDT 2012		
Device:	Nokia6350		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by Device Seizure v5.0		
Highlights:	Acquisition started: Mon Sep 24 07:35:46 EDT 201		
	Acquisition finished: Mon Sep 24 07:39:30 EDT 2012		
	LOCI data was acquired		
	GPRSLOCI data was acquired		
Results:			
	Assertion & Expected Result Actual Result		
	SPT-AO-20 Acquisition of LOCI information.	as expected	
	SPT-AO-21 Acquisition of GPRSLOCI information.	as expected	
Analysis:	Expected results achieved		

# 5.2.80 SPT-23 (Nokia 6350)

Test Case SPT-23 Device Seizure 5.0 build 4582.15907		
Case	SPT-23 Acquire SIM memory by selecting a combination of supported data	
Summary:	elements.	
Assertions:	hs: 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	

Test Case SP	I-23 Device Seizure 5.0 build 4582.15907	
	All" SIM data objects acquisition option, then the tool acquisition of all data objects without error. SPT-AO-23 If a cellular forensic tool provides the user All" individual SIM data objects, then the tool shall c acquisition of all individually selected data objects w 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.	with an "Select complete the rithout error. with the ability to
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Sep 24 07:40:18 EDT 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Mon Sep 24 07:40:18 EDT 2012 Acquisition finished: Mon Sep 24 07:47:02 EDT 2012	
	Acquire All acquisition was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-01 SIM connectivity via supported interfaces.	as expected
	SPT-AO-22 Acquire-All data objects acquisition.	as expected
	SPT-AO-23 Select-All data objects acquisition.	as expected
	SPT-AO-24 Select-Individual data objects acquisition.	as expected
Analysis:	Expected results achieved	

# 5.2.81 SPT-26 (Nokia 6350)

Test Case SPT	-26 Device Seizure 5.0 build 4582.15907	
Case	SPT-26 Acquire SIM memory and review reported data via suppo	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:	Morrisy	
Test Date:	Mon Sep 24 07:40:39 EDT 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 07:40:39 EDT 2012	
	Acquisition finished: Mon Sep 24 07:47:17 EDT 2012	
	Complete representation of known data via generated reports	was successful
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-25 Comparison of known device data elements via generated reports.	as expected
Analysis:	Expected results achieved	

# 5.2.82 SPT-27 (Nokia 6350)

Test Case SPT	-27 Device Seizure 5.0 build 4582.15907	
Case Summary:	SPT-27 Acquire SIM memory and review reported data via the p	preview 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:	Morrisy	
Test Date:	Mon Sep 24 07:41:15 EDT 2012	
Device:	Nokia6350	
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 07:41:15 EDT 2012 Acquisition finished: Mon Sep 24 07:48:02 EDT 2012 Complete representation of known data via preview pane was successful	
Results:	Assertion & Expected Result	Actual Result
	SPT-AO-26 Comparison of known device data elements via preview pane.	as expected
Analysis:	Expected results achieved	

#### 5.2.83 SPT-28 (Nokia 6350)

Test Case SPT	-28 Device Seizure 5.0 build 4582.15907		
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:	Morrisy		
Test Date:	Mon Sep 24 07:41:55 EDT 2012		
Device:	Nokia6350		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by Device Seizure v5.0		
Highlights:	Acquisition started: Mon Sep 24 07:41:55 EDT 2012		
	Acquisition finished: Mon Sep 24 07:48:30 EDT 2012		
	Ability to enter PIN on protected media before acquisition was successful		
Results:			
	Assertion & Expected Result Actual Result		
	SPT-AO-28 Acquisition of password-protected SIM. as expected		
Analysis:	Expected results achieved		

#### 5.2.84 SPT-30 (Nokia 6350)

Test Case SPT-30 Device Seizure 5.0 build 4582.15907	
Case	SPT-30 After a successful SIM acquisition, alter the case 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

Test Case SPT	-30 Device Seizure 5.0 build 4582.15907	
	third-party means, then the tool shall provide protect: disallowing or reporting data modification.	ion mechanisms
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Sep 24 07:42:17 EDT 2012	
Device:	Nokia6350	
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 07:42:17 EDT 2012 Acquisition finished: Mon Sep 24 07:48:56 EDT 2012 Notification of modified SIM data was successful	
Results:	Assertion & Expected Result SPT-AO-27 Notification of modified device case data.	Actual Result as expected
Analysis:	Expected results achieved	

#### 5.2.85 SPT-34 (Nokia 6350)

Case Summary:       SPT-34 Acquire SIM memory and review data containing non-ASCII characters.         Summary:       Assertions:       SPT-A0-40 If the cellular forensic tool supports display of non-ASCII characters, then the application should present ADNs in their native format.         SPT-A0-41 If the cellular forensic tool supports proper display of non- ASCII characters, then the application should present text messages in their native format.         Tester Name:       rpa         Test Host:       Morrisy         Test Date:       Mos Sep 24 07:42:37 EDT 2012         Device:       Nokia6350         Source       OS: WIN XP v5.1.2600         Setup:       Interface: USB         Log       Created by Device Seizure v5.0         Acquisition started: Mon Sep 24 07:49:11 EDT 2012         Acquisition finished: Mon Sep 24 07:49:11 EDT 2012         Non-ASCII ADNs were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed         Results:       Assertion & Expected Result         Actual Result       SPT-A0-40 Acquisition of non-ASCII address book entries/ADNs.         SPT-A0-41 Acquisition of non-ASCII text messages.       as expected         Analysis:       Expected results achieved	Test Case SPT	-34 Device Seizure 5.0 build 4582.15907	
Assertions:       SPT-A0-40 If the cellular forensic tool supports display of non-ASCII characters, then the application should present ADNs in their native format.         SPT-A0-41 If the cellular forensic tool supports proper display of non-ASCII characters, then the application should present text messages in their native format.         Tester Name:       rpa         Test Host:       Morrisy         Test Date:       Mon Sep 24 07:42:37 EDT 2012         Device:       Nokia6350         Source       OS: WIN XP v5.1.2600         Setup:       Interface: USB         Log       Created by Device Seizure v5.0         Acquisition started: Mon Sep 24 07:42:37 EDT 2012         Acquisition finished: Mon Sep 24 07:49:11 EDT 2012         Non-ASCII ADNs were acquired and properly displayed         Non-ASCII text messages were acquired and properly displayed         Results:       Actual Result         Assertion & Expected Result       Actual Result         SPT-AO-40 Acquisition of non-ASCII address book entries/ADNs.       as expected         SPT-AO-41 Acquisition of non-ASCII text messages.       as expected	Case	SPT-34 Acquire SIM memory and review data containing non-ASCII characters.	
characters, then the application should present ADNs in their native format.         SPT-A0-41 If the cellular forensic tool supports proper display of non-ASCII characters, then the application should present text messages in their native format.         Tester Name:       rpa         Test Host:       Morrisy         Test Host:       Morrisy         Test Date:       Mon Sep 24 07:42:37 EDT 2012         Device:       Nokia6350         Source       OS: WIN XP v5.1.2600         Setup:       Interface: USB         Log       Acquisition started: Mon Sep 24 07:42:37 EDT 2012         Acquisition started: Mon Sep 24 07:49:11 EDT 2012         Non-ASCII ADNs were acquired and properly displayed         Non-ASCII text messages were acquired and properly displayed         Non-ASCII ADNs were acquired and properly displayed         Results:       Astual Result         SPT-A0-40 Acquisition of non-ASCII address book entries/ADNs.       as expected         SPT-A0-41 Acquisition of non-ASCII text messages.       as expected	Summary:		
format.       SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters, then the application should present text messages in their native format.         Test Name:       rpa         Test Host:       Morrisy         Test Date:       Mon Sep 24 07:42:37 EDT 2012         Device:       Nokia6350         Source       OS: WIN XP v5.1.2600         Setup:       Interface: USB         Log       Acquisition started: Mon Sep 24 07:42:37 EDT 2012         Acquisition started: Mon Sep 24 07:49:11 EDT 2012         Acquisition finished: Mon Sep 24 07:49:11 EDT 2012         Non-ASCII ADNs were acquired and properly displayed         Non-ASCII text messages were acquired and properly displayed         Results:       Assertion & Expected Result         SPT-AO-40 Acquisition of non-ASCII address book       as expected         entries/ADNs.       SPT-AO-41 Acquisition of non-ASCII text messages.	Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII	
SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters, then the application should present text messages in their native format.         Tester Name:       rpa         Test Host:       Morrisy         Test Date:       Mon Sep 24 07:42:37 EDT 2012         Device:       Nokia6350         Source       OS: WIN XP v5.1.2600         Setup:       Interface: USB         Log       Created by Device Seizure v5.0         Acquisition started: Mon Sep 24 07:49:11 EDT 2012         Acquisition finished: Mon Sep 24 07:49:11 EDT 2012         Non-ASCII ADNs were acquired and properly displayed         Non-ASCII text messages were acquired and properly displayed         Results:       Assertion & Expected Result         SPT-AO-40 Acquisition of non-ASCII address book       as expected         entries/ADNs.       SPT-AO-41 Acquisition of non-ASCII text messages.			ir native
ASCII characters, then the application should present text messages in their native format.Test name:rpaTest Host:MorrisyTest Date:Mon Sep 24 07:42:37 EDT 2012Device:Nokia6350SourceOS: WIN XP v5.1.2600Setup:Interface: USBLog Highlights:Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 07:42:37 EDT 2012 Acquisition finished: Mon Sep 24 07:49:11 EDT 2012 Acquisition finished: Mon Sep 24 07:49:11 EDT 2012 Non-ASCII text messages were acquired and properly displayed Non-ASCII text messages were acquired and properly displayedResults:Assertion & Expected Result ResultActual ResultSPT-AO-40 Acquisition of non-ASCII address book entries/ADNs. SPT-AO-41 Acquisition of non-ASCII text messages.as expected			
Tester Name:rpaTest Host:MorrisyTest Date:Mon Sep 24 07:42:37 EDT 2012Device:Nokia6350SourceOS: WIN XP v5.1.2600Setup:Interface: USBLog Highlights:Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 07:42:37 EDT 2012 Acquisition finished: Mon Sep 24 07:49:11 EDT 2012 Non-ASCII ADNs were acquired and properly displayed Non-ASCII text messages were acquired and properly displayedResults:Assertion & Expected Result SPT-A0-40 Acquisition of non-ASCII address book entries/ADNs. SPT-A0-41 Acquisition of non-ASCII text messages.Actual Result as expected			-
Tester Name:rpaTest Host:MorrisyTest Host:MorrisyTest Date:Mon Sep 24 07:42:37 EDT 2012Device:Nokia6350SourceOS: WIN XP v5.1.2600Setup:Interface: USBLogCreated by Device Seizure v5.0Highlights:Acquisition started: Mon Sep 24 07:42:37 EDT 2012 Acquisition finished: Mon Sep 24 07:49:11 EDT 2012Non-ASCII ADNs were acquired and properly displayed Non-ASCII text messages were acquired and properly displayedResults:Assertion & Expected ResultActual ResultSPT-A0-40 Acquisition of non-ASCII address book entries/ADNs. SPT-A0-41 Acquisition of non-ASCII text messages.			nessages in
Test Host:MorrisyTest Date:Mon Sep 24 07:42:37 EDT 2012Device:Nokia6350SourceOS: WIN XP v5.1.2600Setup:Interface: USBLogCreated by Device Seizure v5.0Acquisition started: Mon Sep 24 07:42:37 EDT 2012Acquisition finished: Mon Sep 24 07:49:11 EDT 2012Non-ASCII ADNs were acquired and properly displayedNon-ASCII text messages were acquired and properly displayedResults:Assertion & Expected ResultActualResults:SPT-AO-40 Acquisition of non-ASCII address bookentries/ADNs.SPT-AO-41 Acquisition of non-ASCII text messages.as expected		their native format.	
Test Date:       Mon Sep 24 07:42:37 EDT 2012         Device:       Nokia6350         Source       OS: WIN XP v5.1.2600         Setup:       Interface: USB         Log       Acquisition started: Mon Sep 24 07:42:37 EDT 2012         Acquisition started: Mon Sep 24 07:49:11 EDT 2012         Non-ASCII ADNs were acquired and properly displayed         Non-ASCII text messages were acquired and properly displayed         Results:         Assertion & Expected Result         Actual Result         SPT-AO-40 Acquisition of non-ASCII address book         entries/ADNs.         SPT-AO-41 Acquisition of non-ASCII text messages.	Tester Name:	rpa	
Device:       Nokia6350         Source       OS: WIN XP v5.1.2600         Setup:       Interface: USB         Log       Acquisition started: Mon Sep 24 07:42:37 EDT 2012         Acquisition finished: Mon Sep 24 07:49:11 EDT 2012         Non-ASCII ADNs were acquired and properly displayed         Non-ASCII text messages were acquired and properly displayed         Results:       Acsertion & Expected Result         Assertion & Expected Result       Actual Result         SPT-AO-40 Acquisition of non-ASCII address book       as expected         entries/ADNs.       SPT-AO-41 Acquisition of non-ASCII text messages.       as expected	Test Host:	Morrisy	
Source Setup:       OS: WIN XP v5.1.2600 Interface: USB         Log Highlights:       Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 07:42:37 EDT 2012 Acquisition finished: Mon Sep 24 07:49:11 EDT 2012         Non-ASCII ADNs were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed         Results:       Assertion & Expected Result         Assertion & Expected Result       Actual Result         SPT-AO-40 Acquisition of non-ASCII address book entries/ADNs.       as expected         SPT-AO-41 Acquisition of non-ASCII text messages.       as expected	Test Date:	Mon Sep 24 07:42:37 EDT 2012	
Setup:       Interface: USB         Log       Created by Device Seizure v5.0         Acquisition started: Mon Sep 24 07:42:37 EDT 2012         Acquisition finished: Mon Sep 24 07:49:11 EDT 2012         Non-ASCII ADNs were acquired and properly displayed         Non-ASCII text messages were acquired and properly displayed         Results:         Assertion & Expected Result         Actual         Results:         SPT-AO-40 Acquisition of non-ASCII address book         entries/ADNs.         SPT-AO-41 Acquisition of non-ASCII text messages.	Device:		
Log       Created by Device Seizure v5.0         Highlights:       Acquisition started: Mon Sep 24 07:42:37 EDT 2012         Acquisition finished: Mon Sep 24 07:49:11 EDT 2012         Non-ASCII ADNs were acquired and properly displayed         Non-ASCII text messages were acquired and properly displayed         Results:         Assertion & Expected Result         SPT-AO-40 Acquisition of non-ASCII address book         entries/ADNs.         SPT-AO-41 Acquisition of non-ASCII text messages.	Source		
Highlights:       Acquisition started: Mon Sep 24 07:42:37 EDT 2012         Acquisition finished: Mon Sep 24 07:49:11 EDT 2012         Non-ASCII ADNs were acquired and properly displayed         Non-ASCII text messages were acquired and properly displayed         Results:         Assertion & Expected Result         SPT-AO-40 Acquisition of non-ASCII address book         entries/ADNs.         SPT-AO-41 Acquisition of non-ASCII text messages.	Setup:	Interface: USB	
Acquisition finished: Mon Sep 24 07:49:11 EDT 2012         Non-ASCII ADNs were acquired and properly displayed         Non-ASCII text messages were acquired and properly displayed         Results:         Assertion & Expected Result         SPT-AO-40 Acquisition of non-ASCII address book         entries/ADNs.         SPT-AO-41 Acquisition of non-ASCII text messages.	Log	Created by Device Seizure v5.0	
Non-ASCII ADNs were acquired and properly displayed         Non-ASCII text messages were acquired and properly displayed         Results:         Assertion & Expected Result         SPT-AO-40 Acquisition of non-ASCII address book         entries/ADNs.         SPT-AO-41 Acquisition of non-ASCII text messages.         as expected	Highlights:	Acquisition started: Mon Sep 24 07:42:37 EDT 2012	
Non-ASCII text messages were acquired and properly displayed         Results:       Actual Result         SPT-A0-40 Acquisition of non-ASCII address book entries/ADNs.       as expected         SPT-A0-41 Acquisition of non-ASCII text messages.       as expected		Acquisition finished: Mon Sep 24 07:49:11 EDT 2012	
Non-ASCII text messages were acquired and properly displayed         Results:       Actual Result         SPT-A0-40 Acquisition of non-ASCII address book entries/ADNs.       as expected         SPT-A0-41 Acquisition of non-ASCII text messages.       as expected			
Results: Assertion & Expected Result SPT-AO-40 Acquisition of non-ASCII address book entries/ADNs. SPT-AO-41 Acquisition of non-ASCII text messages. Actual Result as expected			_
Assertion & Expected Result       Actual Result         SPT-AO-40 Acquisition of non-ASCII address book entries/ADNs.       as expected         SPT-AO-41 Acquisition of non-ASCII text messages.       as expected		Non-ASCII text messages were acquired and properly displayed	1
Result       SPT-AO-40 Acquisition of non-ASCII address book     as expected       entries/ADNs.     SPT-AO-41 Acquisition of non-ASCII text messages.     as expected	Results:		
SPT-AO-40 Acquisition of non-ASCII address bookas expectedentries/ADNs.SPT-AO-41 Acquisition of non-ASCII text messages.as expected		Assertion & Expected Result	Actual
entries/ADNs. SPT-AO-41 Acquisition of non-ASCII text messages. as expected			Result
SPT-AO-41 Acquisition of non-ASCII text messages. as expected			as expected
Analysis: Expected results achieved		SPT-AO-41 Acquisition of non-ASCII text messages.	as expected
Analysis: Expected results achieved			
	Analysis:	Expected results achieved	

## 5.2.86 SPT-35 (Nokia 6350)

Test Case SPT-35 Device Seizure 5.0 build 4582.15907	
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.

Test Case SPT	-35 Device Seizure 5.0 build 4582.15907	
Assertions:	ertions: SPT-AO-29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts, then the application should provide an accurate count of the remaining PIN attempts.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Sep 24 07:43:00 EDT 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 07:43:00 EDT 2012 Acquisition finished: Mon Sep 24 07:49:40 EDT 2012 The remaining number of PIN attempts were properly displayed	
Results:	Assertion & Expected Result     Actual Result       SPT-AO-29 Display remaining number of PIN attempts.     as expected	
Analysis:	Expected results achieved	

## 5.2.87 SPT-36 (Nokia 6350)

Test Case SPT	-36 Device Seizure 5.0 build 4582.15907	
Case Summary:	SPT-36 Begin acquisition on a SIM whose PIN attempts determine if the tool provides an accurate count of t PUK attempts and if the PUK attempts are decremented incorrect value.	he remaining number of
Assertions:	SPT-AO-30 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts, then the application should provide an accurate count of the remaining PUK attempts.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Sep 24 07:43:28 EDT 2012	
Device:	Nokia6350	
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 07:43:28 EDT 2012 Acquisition finished: Mon Sep 24 07:49:57 EDT 2012 Remaining number of PUK attempts were properly displayed	
Results:	Assertion & Expected Result SPT-AO-30 Display remaining number of PUK attempts.	Actual Result as expected
Analysis:	Expected results achieved	

## 5.2.88 SPT-39 (Nokia 6350)

Test Case SPT	Test Case SPT-39 Device Seizure 5.0 build 4582.15907	
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 SP	-39 Device Seizure 5.0 build 4582.15907		
Test Host:	Morrisy		
Test Date:	Mon Sep 24 07:43:48 EDT 2012		
Device:	Nokia6350		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Mon Sep 24 07:43:48 EDT 2012 Acquisition finished: Mon Sep 24 07:50:12 EDT 2012 Hash values were properly reported for individually acquired SIM data elements		
Results:	Assertion & Expected Result	Actual Result	
	SPT-AO-43 Acquire data, check known hash values for consistency.	as expected	
Analysis:	Expected results achieved		

# 5.2.89 SPT-01 (iPhone4 CDMA)

Test Case SP	I-01 Device Seizure 5.0 build 4582.15907		
Case	SPT-01 Acquire mobile device internal memory over tool-support	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:	Morrigu		
Test Date:	Morrisy		
Device:	Tue Sep 25 07:09:57 EDT 2012		
Source	iPhone4_CDMA OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Tue Sep 25 07:09:57 EDT 2012 Acquisition finished: Tue Sep 25 07:13:14 EDT 2012 Device connectivity was established via supported interface		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-01 Device connectivity via supported interfaces.	as expected	
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected	

Test Case SPT	-01 Device Seizure 5.0 build 4582.15907	
	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	

#### 5.2.90 SPT-02 (iPhone4 CDMA)

Test Case SPT	-02 Device Seizure 5.0 build 4582.15907	
Case Summary:	SPT-02 Attempt internal memory acquisition of a nonsupported mobile device.	
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device, then the tool shall notify the user that the device is not supported.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Sep 25 07:10:20 EDT 2012	
Device:	unsupported_device	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Tue Sep 25 07:10:20 EDT 2012	
	Acquisition finished: Tue Sep 25 07:13:30 EDT 2012	
	Identification of nonsupported devices was successful	
Results:		
	Assertion & Expected Result Actual Result	
	SPT-CA-02 Identification of nonsupported devices. as expected	
Analysis:	Expected results achieved	

## 5.2.91 SPT-03 (iPhone4 CDMA)

Test Case SPT	-03 Device Seizure 5.0 build 4582.15907	
Case Summary:	SPT-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.	
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted, then the tool shall notify the user that connectivity has been disrupted.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Sep 25 07:15:07 EDT 2012	
Device:	iPhone4_CDMA	
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Tue Sep 25 07:15:07 EDT 2012 Acquisition finished: Tue Sep 25 07:18:22 EDT 2012 Device acquisition disruption notification was successful	
Results:	Assertion & Expected Result SPT-CA-03 Notification of device acquisition disruption.	Actual Result as expected

Test Case SPT-	-03 Device Seizure 5.0 build 4582.15907	
Analysis:	Expected results achieved	

#### 5.2.92 SPT-04 (iPhone4 CDMA)

<u></u>	C-04 Device Seizure 5.0 build 4582.15907	
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:	Morrisy	
Test Date:	Tue Sep 25 07:18:52 EDT 2012	
Device:	iPhone4_CDMA	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Tue Sep 25 07:18:52 EDT 2012	
	Acquisition finished: Tue Sep 25 07:23:03 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	

## 5.2.93 SPT-05 (iPhone4 CDMA)

Test Case SPT	T-05 Device Seizure 5.0 build 4582.15907	
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:	Morrisy	
Test Date:	Tue Sep 25 07:19:17 EDT 2012	
Device:	iPhone4_CDMA	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Tue Sep 25 07:19:17 EDT 2012 Acquisition finished: Tue Sep 25 07:23:19 EDT 2012	
	MSISDN was not reported IMEI, MEID/ESN were not acquired	
Results:		
	Assertion & Expected Result Actual Result	lt
	SPT-CA-05 Acquisition of MSISDN, IMSI. Not as expect	ted

Test Case SPT	-05 Device Seizure 5.0 build 4582.15907
	SPT-CA-06 Acquisition of IMEI/MEID/ESN. Not as expected
Analysis:	Expected results not achieved

# 5.2.94 SPT-06 (iPhone4 CDMA)

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 email addresses 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 datebook, calendar, note 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 datebook, calendar, note entries shall be presented in a useable format.           SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.           SPT-CA-12 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 us	Test Case SPT	-06 Device Seizure 5.0 build 4582.15907	
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 agaphies associated with address book entries ontaining blank names shall be presented in a useable format.         SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then datespok, calendar, note 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 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 datebook, calendar, note entries shall be presented in a useable format.         SPT-CA-14 If a cellular forensic tool completes acquisition o	Case		rted PIM-
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 address book entries containing special characters 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 associated with address book entries of the target device without error, then graphics associated with address book entries shall be presented in a useable format.           SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format.           SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format.           SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.           SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.           SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.           SPT-CA-14 If a cellular fo	Summary:		<b>C</b> + <b>1</b> + - +
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 blank names 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 graphics 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 datebook, calendar, note 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-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-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 maximu length 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 maximu length adteces dow, calendar, note entries shal	ASSELLIOUS.	device without error, then address book entries shall be pres	
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-01 If a cellular forensic tool completes acquisition of the target device without error, then address book entries containing blank names shall be presented in a useable format.           SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format.           SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format.           SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format.           SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.           SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, them maximum length datebook, calendar, note entries shall be presented in a useable format.           Tester Name:         rpa           Test Acci:         The Sep 25 07:23:58 EDT 2012           Device:         iPhone4_CDMA           Source         OS: WIN XP v5.1.2600           Stup:         Interface: cable           Log         Created by Device Seizure v5.0		device without error, then maximum length address book entrie	
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 graphics associated with address book entries shall be presented in a useable format.         SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format.         SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format.         SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.         SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.         SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.         SPT-CA-14 IF a cellular forensic tool completes acquisition of the target device without error, then graphica acquisition for the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.         SPT-CA-13 If a cellular forensic tool completes acquisition of the target device:       Interface         OS: WIN Y5.1.2600       Interface: cable<		SPT-CA-09 If a cellular forensic tool completes acquisition of device without error, then address book entries containing sp	
SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error, then email addresses associated with address book entries shall be presented in a useable format.         SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format.         SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format.         SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.         SPT-CA-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 Bost:       Morrisy         Test Pact       Tue Sep 25 07:23:58 EDT 2012         Device:       IPhone4_CDMA         Source       OS: WIN XP v5.1.2600         Interface: cable       Created by Device Seizure v5.0         Acquisition started: Tue Sep 25 07:39:38 EDT 2012         Acquisition finished: Tue Sep 25 07:39:38 EDT 2012         Regular Length Address Book entries were acquired         Bank Name Address Book entries were acquired         Bank Name Address Book entries were acquired         Bmail addresses within Address Book		SPT-CA-10 If a cellular forensic tool completes acquisition device without error, then address book entries containing b	-
device without error, then graphics associated with address book entries shall be presented in a useable format.         SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format.         SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.         Tester Name:       rpa         Test Host:       Morrisy         Test Date:       Tue Sep 25 07:23:58 EDT 2012         Device:       iPhone4_CDMA         Source       OS: WIN XP v5.1.2600         Setup:       Interface: cable         Log       Created by Device Seizure v5.0         Acquisition started: Tue Sep 25 07:23:58 EDT 2012         Acquisition started: Tue Sep 25 07:23:58 EDT 2012         Acquisition started: Tue Sep 25 07:23:58 EDT 2012         Regular Length Address Book entries were acquired         Bank Name Address Book entries were acquired         Email addresse within Address Book entries were acquired         Email addresse sociated with address book entries were not reported.         Results:       Assertion & Expected Result         Actual       Result         SPT-CA-07 Acquisition of address book entries.       as expected         entries.       SPT-CA-09 Acquisitio		SPT-CA-11 If a cellular forensic tool completes acquisition of device without error, then email addresses associated with a entries shall be presented in a useable format.	ldress book
device without error, then datebook, calendar, note entries shall be         presented in a useable format.         SPT-CA-14 If a cellular forensic tool completes acquisition of the target         device without error, then maximum length datebook, calendar, note entries         shall be presented in a useable format.         Test Host:         Morrisy         Test Host:         Morrisy         Test Date:         Tue Sep 25 07:23:58 EDT 2012         Device:         iPhone4_CDMA         Source         OS: WIN XP v5.1.2600         Stup:         Interface: cable         Log         Highlights:         Acquisition started: Tue Sep 25 07:23:58 EDT 2012         Acquisition finished: Tue Sep 25 07:39:38 EDT 2012         Regular Length Address Book entries were acquired         Maximum Length Address Book entries were acquired         Blank Name Address Book entries were acquired         Email addresses within Address Book entries were acquired         Email addresses within Address Book entries were not reported.         Notes:       Graphics files associated with address book entries were not reported.         Results:       Assertion & Expected Result       Actual Result         SPT-CA-08 Acquisition of address book entries.       as e		device without error, then graphics associated with address b	-
SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be presented in a useable format.         Test Host:       morrisy         Test Host:       Morrisy         Test Date:       Tue Sep 25 07:23:58 EDT 2012         Device:       iPhone4_CDMA         Source       OS: WIN XP v5.1.2600         Interface: cable       Acquisition started: Tue Sep 25 07:23:58 EDT 2012         Acquisition started: Tue Sep 25 07:39:38 EDT 2012         Acquisition finished: Tue Sep 25 07:39:38 EDT 2012         Regular Length Address Book entries were acquired         Maximum Length Address Book entries were acquired         Blank Name Address Book entries were acquired         Embedded graphics within Address Book entries were not acquired         Motes:         Graphics files associated with address book entries were not reported.         Results:         Assertion & Expected Result       Actual Result         SPT-CA-07 Acquisition of maximum length address book       as expected         entries.       SPT-CA-09 Acquisition of address book entries containing as expected		SPT-CA-13 If a cellular forensic tool completes acquisition device without error, then datebook, calendar, note entries a	-
Test Host:       Morrisy         Test Date:       Tue Sep 25 07:23:58 EDT 2012         Device:       iPhone4_CDMA         Source       OS: WIN XP v5.1.2600         Setup:       Interface: cable         Log       Created by Device Seizure v5.0         Acquisition started: Tue Sep 25 07:23:58 EDT 2012         Acquisition finished: Tue Sep 25 07:39:38 EDT 2012         Regular Length Address Book entries were acquired         Maximum Length Address Book entries were acquired         Blank Name Address Book entries were acquired         Email addresses within Address Book entries were acquired         Embedded graphics within Address Book entries were not acquired         ALL PIM-related data was acquired         Motes:         Graphics files associated with address book entries were not reported.         Results:         Assertion & Expected Result         Actual 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 as expected expecial characters.         SPT-CA-10 Acquisition of address book entries containing as expected		SPT-CA-14 If a cellular forensic tool completes acquisition of device without error, then maximum length datebook, calendar	
Test Host:       Morrisy         Test Date:       Tue Sep 25 07:23:58 EDT 2012         Device:       iPhone4_CDMA         Source       OS: WIN XP v5.1.2600         Setup:       Interface: cable         Log       Created by Device Seizure v5.0         Acquisition started: Tue Sep 25 07:23:58 EDT 2012         Acquisition finished: Tue Sep 25 07:39:38 EDT 2012         Regular Length Address Book entries were acquired         Maximum Length Address Book entries were acquired         Blank Name Address Book entries were acquired         Email addresses within Address Book entries were acquired         Embedded graphics within Address Book entries were not acquired         ALL PIM-related data was acquired         Motes:         Graphics files associated with address book entries were not reported.         Results:         Assertion & Expected Result         Actual 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 as expected expecial characters.         SPT-CA-10 Acquisition of address book entries containing as expected	Tostor Namo:		
Test Date:       Tue Sep 25 07:23:58 EDT 2012         Device:       iPhone4_CDMA         Source       OS: WIN XP v5.1.2600         Interface: cable       Interface: cable         Log       Created by Device Seizure v5.0         Acquisition started: Tue Sep 25 07:33:58 EDT 2012         Acquisition finished: Tue Sep 25 07:39:38 EDT 2012         Regular Length Address Book entries were acquired         Maximum Length Address Book entries were acquired         Email address Book entries were acquired         Embedded graphics within Address Book entries were acquired         Embedded graphics within Address Book entries were not acquired         MALE PIM-related data was acquired         Notes:         Graphics files associated with address book entries were not reported.         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         SPT-CA-09 Acquisition of address book entries containing as expected       special characters.         SPT-CA-10 Acquisition of address book entries containing as expected       sexpected			
Device:       iPhone4_CDMA         Source       OS: WIN XP v5.1.2600         Setup:       Interface: cable         Log       Created by Device Seizure v5.0         Acquisition started: Tue Sep 25 07:23:58 EDT 2012         Acquisition finished: Tue Sep 25 07:39:38 EDT 2012         Regular Length Address Book entries were acquired         Maximum Length Address Book entries were acquired         Blank Name Address Book entries were acquired         Embedded graphics within Address Book entries were not acquired         ALL PIM-related data was acquired         Notes:       Graphics files associated with address book entries were not reported.         Results:       Assertion & Expected Result       Actual Result         SPT-CA-07 Acquisition of address book entries.       as expected entries.       as expected entries.         SPT-CA-08 Acquisition of address book entries containing as expected entries.       SPT-CA-10 Acquisition of address book entries containing as expected			
Source       OS: WIN XP v5.1.2600         Setup:       Interface: cable         Log       Created by Device Seizure v5.0         Acquisition started: Tue Sep 25 07:23:58 EDT 2012         Acquisition finished: Tue Sep 25 07:39:38 EDT 2012         Regular Length Address Book entries were acquired         Maximum Length Address Book entries were acquired         Blank Name Address Book entries were acquired         Email addresses within Address Book entries were acquired         Email addresses within Address Book entries were not acquired         Embedded graphics within Address Book entries were not acquired         ALL PIM-related data was acquired         Notes:         Graphics files associated with address book entries were not reported.         Results:         Assertion & Expected Result         SPT-CA-07 Acquisition of address book entries.         SPT-CA-08 Acquisition of maximum length address book         Ast expected         SPT-CA-10 Acquisition of address book entries containing as expected         SPT-CA-10 Acquisition of address book entries containing as expected			
Log       Created by Device Seizure v5.0         Acquisition started: Tue Sep 25 07:23:58 EDT 2012         Acquisition finished: Tue Sep 25 07:39:38 EDT 2012         Regular Length Address Book entries were acquired         Maximum Length Address Book entries were acquired         Blank Name Address Book entries were acquired         Email addresses within Address Book entries were acquired         Email addresses within Address Book entries were acquired         Embedded graphics within Address Book entries were not acquired         ALL PIM-related data was acquired         Notes:         Graphics files associated with address book entries were not reported.         Results:         Assertion & Expected Result         Actual Result         SPT-CA-07 Acquisition of address book entries.         SPT-CA-08 Acquisition of address book entries containing as expected         SPT-CA-10 Acquisition of address book entries containing a as expected	Source	OS: WIN XP v5.1.2600	
Highlights:       Acquisition started: Tue Sep 25 07:23:58 EDT 2012         Acquisition finished: Tue Sep 25 07:39:38 EDT 2012         Regular Length Address Book entries were acquired         Maximum Length Address Book entries were acquired         Special Character Address Book entries were acquired         Email addresses within Address Book entries were acquired         Embedded graphics within Address Book entries were not acquired         ALL PIM-related data was acquired         Notes:         Graphics files associated with address book entries were not reported.         Results:       Actual Result         SPT-CA-07 Acquisition of address book entries.       as expected         SPT-CA-09 Acquisition of address book entries containing as expected         SPT-CA-00 Acquisition of address book entries containing as expected	Setup:	Interface: cable	
Highlights:       Acquisition started: Tue Sep 25 07:23:58 EDT 2012         Acquisition finished: Tue Sep 25 07:39:38 EDT 2012         Regular Length Address Book entries were acquired         Maximum Length Address Book entries were acquired         Special Character Address Book entries were acquired         Email addresses within Address Book entries were acquired         Embedded graphics within Address Book entries were not acquired         ALL PIM-related data was acquired         Notes:         Graphics files associated with address book entries were not reported.         Results:       Actual Result         SPT-CA-07 Acquisition of address book entries.       as expected         SPT-CA-09 Acquisition of address book entries containing as expected         SPT-CA-00 Acquisition of address book entries containing as expected	Iloa	Created by Device Seizure v5 0	
Maximum Length Address Book entries were acquired         Special Character Address Book entries were acquired         Blank Name Address Book entries were acquired         Email addresses within Address Book entries were acquired         Embedded graphics within Address Book entries were not acquired         ALL PIM-related data was acquired         Notes:         Graphics files associated with address book entries were not reported.         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         as expected         special characters.         SPT-CA-10 Acquisition of address book entries containing a sexpected	Highlights:	Acquisition started: Tue Sep 25 07:23:58 EDT 2012	
Special Character Address Book entries were acquired         Blank Name Address Book entries were acquired         Email addresses within Address Book entries were acquired         Embedded graphics within Address Book entries were not acquired         ALL PIM-related data was acquired         Notes:         Graphics files associated with address book entries were not reported.         Results:         Assertion & Expected Result         Actual         Results:         SPT-CA-07 Acquisition of address book entries.         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 sexpected			
Blank Name Address Book entries were acquired         Email addresses within Address Book entries were acquired         Embedded graphics within Address Book entries were not acquired         ALL PIM-related data was acquired         Notes:         Graphics files associated with address book entries were not reported.         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 sexpected		-	
Embedded graphics within Address Book entries were not acquired         ALL PIM-related data was acquired         Notes:         Graphics files associated with address book entries were not reported.         Results:         Assertion & Expected Result         Actual         Results:         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 sexpected			
ALL PIM-related data was acquired         Notes:         Graphics files associated with address book entries were not reported.         Results:         Assertion & Expected Result         Actual         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 sexpected		Email addresses within Address Book entries were acquired	
Notes:       Graphics files associated with address book entries were not reported.         Results:       Assertion & Expected Result       Actual Result         SPT-CA-07 Acquisition of address book entries.       as expected as expected entries.         SPT-CA-08 Acquisition of maximum length address book entries.       as expected entries.         SPT-CA-09 Acquisition of address book entries containing as expected special characters.       special characters.			red
Graphics files associated with address book entries were not reported.         Results:       Actual Result         SPT-CA-07 Acquisition of address book entries.       as expected         SPT-CA-08 Acquisition of maximum length address book entries.       as expected         SPT-CA-09 Acquisition of address book entries containing special characters.       as expected         SPT-CA-10 Acquisition of address book entries containing a sexpected		ALL PIM-related data was acquired	
Assertion & Expected ResultActual ResultSPT-CA-07 Acquisition of address book entries.as expectedSPT-CA-08 Acquisition of maximum length address bookas expectedentries.SPT-CA-09 Acquisition of address book entries containing special characters.as expectedSPT-CA-10 Acquisition of address book entries containing a sexpectedas expected			reported.
ResultSPT-CA-07 Acquisition of address book entries.as expectedSPT-CA-08 Acquisition of maximum length address bookas expectedentries.special characters.SPT-CA-09 Acquisition of address book entries containing special characters.as expectedSPT-CA-10 Acquisition of address book entries containing a as expectedas expected	Results:		
SPT-CA-07 Acquisition of address book entries.as expectedSPT-CA-08 Acquisition of maximum length address bookas expectedentries.special characters.as expectedSPT-CA-09 Acquisition of address book entries containing special characters.as expectedSPT-CA-10 Acquisition of address book entries containing a as expectedas expected		Assertion & Expected Result	
SPT-CA-08 Acquisition of maximum length address bookas expectedentries.SPT-CA-09 Acquisition of address book entries containingas expectedspecial characters.SPT-CA-10 Acquisition of address book entries containing aas expected		SPT-CA-07 Acquisition of address book entries.	
SPT-CA-09 Acquisition of address book entries containing special characters.as expectedSPT-CA-10 Acquisition of address book entries containing a as expected		SPT-CA-08 Acquisition of maximum length address book	-
SPT-CA-10 Acquisition of address book entries containing a as expected		SPT-CA-09 Acquisition of address book entries containing	as expected
		SPT-CA-10 Acquisition of address book entries containing a	as expected

Test Case SPT	-06 Device Seizure 5.0 build 4582.15907	
	SPT-CA-11 Acquisition of embedded email addresses within address book entries.	as expected
	SPT-CA-12 Acquisition of embedded graphics within address book entries.	Not as expected
	SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	as expected
	SPT-CA-14 Acquisition of maximum length PIM data.	as expected
Analysis:	Partial results achieved	

#### 5.2.95 SPT-07 (iPhone4 CDMA)

Test Case SPT	-07 Device Seizure 5.0 build 4582.15907		
Case	SPT-07 Acquire mobile device internal memory and review reported call logs.		
Summary:			
Assertions:	SPT-CA-15 If a cellular forensic tool completes acqui	3	
	device without error, then call logs (incoming/outgoi	ng/missed) shall be	
	presented in a useable format. SPT-CA-16 If a cellular forensic tool completes acqui	aiting of the transf	
	device without error, then the corresponding date/tim	5	
	duration of the call for call logs shall be presented		
	autación or che carritor carritogo sharr de presencea	in a ascapic format.	
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Tue Sep 25 07:24:19 EDT 2012		
Device:	iPhone4_CDMA		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by Device Seizure v5.0		
Highlights:	Acquisition started: Tue Sep 25 07:24:19 EDT 2012		
	Acquisition finished: Tue Sep 25 07:40:52 EDT 2012		
	All Call Logs (incoming, outgoing, missed) were acqui	rod	
	All Call Log date/time stamps data were correctly rep		
	Air carr bog date, time stamps data were correctly rep	ortea	
	Notes:		
	Missed calls were categorized as Incoming calls.		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-15 Acquisition of call logs.	Not as expected	
	SPT-CA-16 Acquisition of call log date/time stamps.	as expected	
Amalanaiat	Partial results achieved		
Analysis:	Partial results achieved		

## 5.2.96 SPT-08 (iPhone4 CDMA)

Test Case SPT	-08 Device Seizure 5.0 build 4582.15907
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.

Test Case SPT	-08 Device Seizure 5.0 build 4582.15907	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Sep 25 07:24:40 EDT 2012	
Device:	iPhone4_CDMA	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Tue Sep 25 07:24:40 EDT 2012	
	Acquisition finished: Tue Sep 25 07:43:38 EDT 2012	
	ALL text messages (SMS, EMS) were acquired	
	Correct date/time stamps were reported for all text message	S
	Partial status flags were reported for text messages	
	Sender and Recipient phone numbers associated with text mes	sages were
	correctly reported	-
	Notes:	
	Unread text messages were not assigned a Type i.e., UNREAD	
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.	Not as
		expected
	SPT-CA-20 Acquisition of sender/recipient phone number	as expected
	associated with text messages.	
Analysis:	Partial results achieved	

# 5.2.97 SPT-09 (iPhone4 CDMA)

	-09 Device Seizure 5.0 build 4582.15907
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 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 view of the target device without error, then MMS messages and associated view of the target device without error, then MMS messages and associated video shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Sep 25 07:58:34 EDT 2012
Device:	iPhone4_CDMA
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Tue Sep 25 07:58:34 EDT 2012 Acquisition finished: Tue Sep 25 07:59:55 EDT 2012 Partial audio MMS messages were acquired Image MMS messages were acquired Video MMS messages were acquired Notes: Sound bytes attached to MMS messages were not reported.

Test Case SPI	2-09 Device Seizure 5.0 build 4582.15907	
	The textual portion of the MMS messages is blank and has t in the sms.db file.	o be searched for
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-21 Acquisition of audio MMS messages.	Not as expected
	SPT-CA-22 Acquisition of graphic data image MMS messages.	Not as expected
	SPT-CA-23 Acquisition of video MMS messages.	Not as expected
Analysis:	Expected results not achieved	·

#### 5.2.98 SPT-10 (iPhone4 CDMA)

Case       SPT-10 Acquire mobile device internal memory and review reported stand- alone multi-media data (i.e., audio, graphics, video).         Assertions:       SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application.         SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third- party application.         SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error, then stand-alone yraphic 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 video files shall be presented in a useable format via either an internal application or suggested third-party application.         Test       mame:         Test bate:       Tue Sep 25 07:55:58 EDT 2012         Device:       iPhone4 CDMA         Source       OS: WIN XP v5.1.2600         Setup:       Interface: cable         Log       Created by Device Seizure v5.0         Acquisition started: Tue Sep 25 07:55:58 EDT 2012         Acquisition finished: Tue Sep 25 07:55:63 EDT 2012         Audio files were not acquired         Wide files were not acquired <th>Test Case SP1</th> <th>2-10 Device Seizure 5.0 build 4582.15907</th> <th></th>	Test Case SP1	2-10 Device Seizure 5.0 build 4582.15907	
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:rpaTest IDate:Tue Sep 25 07:55:58 EDT 2012Device:iPhone4_CDMASource OS: WIN XP v5.1.2600 Steup:OS: WIN XP v5.1.2600 Interface: cableLog Highlights:Created by Device Seizure v5.0 Acquisition finished: Tue Sep 25 07:55:58 EDT 2012 Acquisition finished: Tue Sep 25 07:56:36 EDT 2012 <br< th=""><th>Case</th><th colspan="2"></th></br<>	Case		
Name:       Image:         Test Host:       Morrisy         Test Date:       Tue Sep 25 07:55:58 EDT 2012         Device:       iPhone4_CDMA         Source       OS: WIN XP v5.1.2600         Setup:       Interface: cable         Log       Created by Device Seizure v5.0         Highlights:       Acquisition started: Tue Sep 25 07:55:58 EDT 2012         Acquisition finished: Tue Sep 25 07:56:36 EDT 2012         Audio files were not acquired         Image files were acquired         Video files were not acquired         SPT-CA-24 Acquisition of stand-alone audio files.         SPT-CA-25 Acquisition of stand-alone graphic files.         SPT-CA-26 Acquisition of stand-alone video files.	Assertions:	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 yield third-party application.	
Test Host:       Morrisy         Test Date:       Tue Sep 25 07:55:58 EDT 2012         Device:       iPhone4_CDMA         Source       OS: WIN XP v5.1.2600         Setup:       Interface: cable         Log       Created by Device Seizure v5.0         Acquisition started: Tue Sep 25 07:55:58 EDT 2012         Acquisition finished: Tue Sep 25 07:56:36 EDT 2012         Audio files were not acquired         Image files were acquired         Video files were not acquired         SPT-CA-24 Acquisition of stand-alone audio files.         SPT-CA-25 Acquisition of stand-alone graphic files.         SPT-CA-26 Acquisition of stand-alone video files.	Tester	rpa	
Test Date:       Tue Sep 25 07:55:58 EDT 2012         Device:       iPhone4_CDMA         Source       OS: WIN XP v5.1.2600         Setup:       Interface: cable         Log       Acquisition started: Tue Sep 25 07:55:58 EDT 2012         Acquisition started: Tue Sep 25 07:55:58 EDT 2012         Acquisition finished: Tue Sep 25 07:56:36 EDT 2012         Audio files were not acquired         Image files were acquired         Video files were not acquired         SPT-CA-24 Acquisition of stand-alone audio files.         SPT-CA-25 Acquisition of stand-alone graphic files.         SPT-CA-26 Acquisition of stand-alone video files.         Not as expected	Name:		
Device:       iPhone4_CDMA         Source       OS: WIN XP v5.1.2600         Setup:       Interface: cable         Log       Acquisition started: Tue Sep 25 07:55:58 EDT 2012         Highlights:       Acquisition finished: Tue Sep 25 07:56:36 EDT 2012         Audio files were not acquired       Image files were acquired         Video files were not acquired       SPT-CA-24 Acquisition of stand-alone audio files.         Not as expected       SPT-CA-25 Acquisition of stand-alone video files.         SPT-CA-26 Acquisition of stand-alone video files.       Not as expected	Test Host:	Morrisy	
Source       OS: WIN XP v5.1.2600         Setup:       Interface: cable         Log       Created by Device Seizure v5.0         Highlights:       Acquisition started: Tue Sep 25 07:55:58 EDT 2012         Acquisition finished: Tue Sep 25 07:56:36 EDT 2012         Audio files were not acquired         Image files were acquired         Video files were not acquired         Results:         Assertion & Expected Result         SPT-CA-24 Acquisition of stand-alone audio files.         SPT-CA-25 Acquisition of stand-alone graphic files.         SPT-CA-26 Acquisition of stand-alone video files.	Test Date:	Tue Sep 25 07:55:58 EDT 2012	
Setup:       Interface: cable         Log       Created by Device Seizure v5.0         Highlights:       Acquisition started: Tue Sep 25 07:55:58 EDT 2012         Acquisition finished: Tue Sep 25 07:56:36 EDT 2012         Audio files were not acquired         Image files were acquired         Video files were not acquired         SPT-CA-24 Acquisition of stand-alone audio files.       Not as expected         SPT-CA-25 Acquisition of stand-alone video files.       Not as expected	Device:	iPhone4_CDMA	
Log       Created by Device Seizure v5.0         Highlights:       Acquisition started: Tue Sep 25 07:55:58 EDT 2012         Acquisition finished: Tue Sep 25 07:56:36 EDT 2012         Audio files were not acquired         Image files were acquired         Video files were not acquired         Results:         Assertion & Expected Result         SPT-CA-24 Acquisition of stand-alone audio files.         Not as expected         SPT-CA-25 Acquisition of stand-alone yideo files.         Not as expected         SPT-CA-26 Acquisition of stand-alone video files.	Source	OS: WIN XP v5.1.2600	
Highlights:       Acquisition started: Tue Sep 25 07:55:58 EDT 2012         Acquisition finished: Tue Sep 25 07:56:36 EDT 2012         Audio files were not acquired         Image files were acquired         Video files were not acquired         Results:         Assertion & Expected Result         SPT-CA-24 Acquisition of stand-alone audio files.         Not as expected         SPT-CA-25 Acquisition of stand-alone graphic files.         SPT-CA-26 Acquisition of stand-alone video files.	Setup:	Interface: cable	
Assertion & Expected ResultActual ResultSPT-CA-24 Acquisition of stand-alone audio files.Not as expectedSPT-CA-25 Acquisition of stand-alone graphic files.as expectedSPT-CA-26 Acquisition of stand-alone video files.Not as expected	5	Acquisition started: Tue Sep 25 07:55:58 EDT 2012 Acquisition finished: Tue Sep 25 07:56:36 EDT 2012 Audio files were not acquired Image files were acquired	
SPT-CA-24 Acquisition of stand-alone audio files.Not as expectedSPT-CA-25 Acquisition of stand-alone graphic files.as expectedSPT-CA-26 Acquisition of stand-alone video files.Not as expected	Results:		
SPT-CA-25 Acquisition of stand-alone graphic files. as expected SPT-CA-26 Acquisition of stand-alone video files. Not as expected			
SPT-CA-26 Acquisition of stand-alone video files. Not as expected		· · · · · · · · · · · · · · · · · · ·	
Analysis: Partial results achieved		SPT-CA-26 Acquisition of stand-alone video files.	Not as expected
	Analysis:	Partial results achieved	

#### 5.2.99 SPT-12 (iPhone4 CDMA)

Test Case SPT-12 Device Seizure 5.0 build 4582.15907

Test Case SPT	-12 Device Seizure 5.0 build 4582.15907	
Case	SPT-12 Acquire mobile device internal memory and review Internet-related	
Summary:	data (i.e., bookmarks, visited sites.	
Assertions:	SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error, then Internet-related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Sep 25 07:46:42 EDT 2012	
Device:	iPhone4_CDMA	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Tue Sep 25 07:46:42 EDT 2012	
	Acquisition finished: Tue Sep 25 07:48:49 EDT 2012	
	All Internet-related data was acquired	
Results:		
	Assertion & Expected Result Actual Result	
	SPT-CA-28 Acquisition of Internet-related data. as expected	
Analysis:	Expected results achieved	

## 5.2.100 SPT-13 (iPhone4 CDMA)

Test Case SPI	-13 Device Seizure 5.0 build 4582.15907	
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:	Morrisy	
Test Date:	Tue Sep 25 07:47:01 EDT 2012	
Device:	iPhone4_CDMA	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Tue Sep 25 07:47:01 EDT 2012	
nightighteb.	Acquisition finished: Tue Sep 25 07:49:03 EDT 2012	
	Acquire All acquisition was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-29 Acquire-All data objects acquisition.	as expected
	SPT-CA-30 Select-All data objects acquisition.	as expected
	SPT-CA-31 Select-Individual data objects acquisition.	as expected
Analysis:	Expected results achieved	

#### 5.2.101 SPT-24 (iPhone4 CDMA)

Test Case SPT	-24 Device Seizure 5.0 build 4582,15907	
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	
	device without error, then the tool shall present the acquir	ed data in a
	useable format via supported generated report formats.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Sep 25 07:49:37 EDT 2012	
Device:	iPhone4_CDMA	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Tue Sep 25 07:49:37 EDT 2012	
	Acquisition finished: Tue Sep 25 07:53:36 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	

#### 5.2.102 SPT-25 (iPhone4 CDMA)

Test Case SPT	-25 Device Seizure 5.0 build 4582.15907	
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:	Morrisy	
Test Date:	Tue Sep 25 07:49:59 EDT 2012	
Device:	iPhone4_CDMA	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Tue Sep 25 07:49:59 EDT 2012 Acquisition finished: Tue Sep 25 07:53:58 EDT 2012 Complete representation of known data via preview pane was	successful
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-26 Comparison of known device data elements via preview pane.	as expected
Analysis:	Expected results achieved	

#### 5.2.103 SPT-29 (iPhone4 CDMA)

Test Case SPT-29 Device Seizure 5.0 build 4582.15907CaseSPT-29 After a successful mobile device internal memory, alter the case

Test Case SPT	-29 Device Seizure 5.0 build 4582.15907	
Summary:	file via third-party means and attempt to reopen the c	ase.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via third-party means, then the tool shall provide protection mechanisms disallowing or reporting data modification.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Sep 25 07:50:31 EDT 2012	
Device:	iPhone4_CDMA	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Tue Sep 25 07:50:31 EDT 2012	
	Acquisition finished: Tue Sep 25 07:54:17 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	

#### 5.2.104 SPT-33 (iPhone4 CDMA)

Test Case SPT-	-33 Device Seizure 5.0 build 4582.15907	
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 characters, then the application should present address book their native format. SPT-AO-41 If the cellular forensic tool supports proper disp ASCII characters, then the application should present text of their native format.	k entries in play of non-
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Sep 25 07:50:52 EDT 2012	
Device:	iPhone4_CDMA	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Tue Sep 25 07:50:52 EDT 2012 Acquisition finished: Tue Sep 25 07:54:45 EDT 2012 Non-ASCII Address book entries were acquired and properly d 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/ADNs.	as expected
	SPT-AO-41 Acquisition of non-ASCII text messages.	as expected
Analysis:	Expected results achieved	
ANALYSIS.	Expected results achieved	

#### 5.2.105 SPT-38 (iPhone4 CDMA)

Test Case SPT-	-38 Device Seizure 5.0 build 4582.15907
Case	SPT-38 Acquire mobile device internal memory and review hash values for
Summary:	vendor supported data objects.

Test Case SPT	-38 Device Seizure 5.0 build 4582.15907	
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for data objects, then the tool shall present the user with a l each supported data object.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Sep 25 07:51:11 EDT 2012	
Device:	iPhone4_CDMA	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Tue Sep 25 07:51:11 EDT 2012 Acquisition finished: Tue Sep 25 07:55:07 EDT 2012 Hash values were properly reported for individually acquired device data elements	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-43 Acquire data, check known hash values for consistency.	as expected
Analysis:	Expected results achieved	

## 5.2.106 SPT-01 (HTC Thunderbolt)

re mobile device internal memory over tool-supported interfaces	
e, Bluetooth, IrDA).	
Summary:(e.g., cable, Bluetooth, IrDA).Assertions:SPT-CA-01 If a cellular forensic tool provides support for connectivity the target device, then the tool shall successfully recognize the targe device via all vendor supported interfaces (e.g., cable, Bluetooth, IrD SPT-CA-04 If a cellular forensic tool completes acquisition of the targ 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 "Acquir All" device data objects acquisition option, then the tool shall comple the acquisition of all data objects without error.SPT-CA-30 If a cellular forensic tool provides the user with a "Select 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 abilit "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.	
0:02:09 EDT 2012	
polt	
75.1.2600	
cable	
Device Seizure v5.0 started: Tue Sep 25 10:02:09 EDT 2012 finished: Tue Sep 25 10:02:16 EDT 2012 ectivity was established via supported interface tion ended in errors. The following error message was reported: process has failed.	
i	

	Result: Connection broken	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-01 Device connectivity via supported interfaces.	Not as expected
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	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	

#### 5.2.107 SPT-02 (HTC Thunderbolt)

Test Case SPT	-02 Device Seizure 5.0 build 4582.15907	
Case Summary:	SPT-02 Attempt internal memory acquisition of a nonsupported mobile device.	
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device, then the tool shall notify the user that the device is not supported.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Sep 25 10:04:05 EDT 2012	
Device:	unsupported_device	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Tue Sep 25 10:04:05 EDT 2012 Acquisition finished: Tue Sep 25 10:05:40 EDT 2012 Identification of nonsupported devices was successful	
Results:		
	Assertion & Expected Result Actual Result	
	SPT-CA-02 Identification of nonsupported devices. as expected	
Analysis:	Expected results achieved	

#### 5.2.108 SPT-03 (HTC Thunderbolt)

Test Case SPT	-03 Device Seizure 5.0 build 4582.15907
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:	Morrisy
Test Date:	Tue Sep 25 10:06:37 EDT 2012
Device:	HTC_Thunderbolt
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by Device Seizure v5.0
Highlights:	Acquisition started: Tue Sep 25 10:06:37 EDT 2012

Test Case SPT	-03 Device Seizure 5.0 build 4582.15907	
	Acquisition finished: Tue Sep 25 10:11:22 EDT 2012	
	Device acquisition disruption notification was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-03 Notification of device acquisition disruption.	as expected
Analysis:	Expected results achieved	

#### 5.2.109 SPT-04 (HTC Thunderbolt)

<b>G</b>	CDT 04 Device while device interval memory 1	
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:	Morrisy	
Test Date:	Tue Sep 25 10:18:42 EDT 2012	
Device:	HTC_Thunderbolt	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Tue Sep 25 10:18:42 EDT 2012	
	Acquisition finished: Tue Sep 25 10:22:01 EDT 2012	
	Readability and completeness of acquired data was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
Analysis:	Expected results achieved	

## 5.2.110 SPT-05 (HTC Thunderbolt)

Test Case SPT	-05 Device Seizure 5.0 build 4582.15907
Case	SPT-05 Acquire mobile device internal memory and review reported subscriber
Summary:	and equipment-related information (e.g., IMEI/MEID/ESN, MSISDN).
Assertions:	SPT-CA-05 If a cellular forensic tool completes acquisition of the target
	device without error, then subscriber related information shall be
	presented in a useable format.
	SPT-CA-06 If a cellular forensic tool completes acquisition of the target
	device without error, then equipment-related information shall be presented
	in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Sep 25 10:33:09 EDT 2012
Device:	HTC_Thunderbolt
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by Device Seizure v5.0
Highlights:	Acquisition started: Tue Sep 25 10:33:09 EDT 2012

Test Case SPT-05 Device Seizure 5.0 build 4582.15907			
	Acquisition finished: Tue Sep 25 11:26:27	EDT 2012	
	IMEI, MEID/ESN were acquired		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-05 Acquisition of MSISDN, IMSI.	as expected	
	SPT-CA-06 Acquisition of IMEI/MEID/ESN.	as expected	
Analysis:	Expected results achieved		

# 5.2.111 SPT-06 (HTC Thunderbolt)

Test Case SPT	-06 Device Seizure 5.0 build 4582.15907	
Case	SPT-06 Acquire mobile device internal memory and review repo	orted PIM-
Summary:	related data.	
Assertions:	SPT-CA-07 If a cellular forensic tool completes acquisition device without error, then address book entries shall be pre- useable format. SPT-CA-08 If a cellular forensic tool completes acquisition device without error, then maximum length address book entrie presented in a useable format. SPT-CA-09 If a cellular forensic tool completes acquisition device without error, then address book entries containing s characters shall be presented in a useable format. SPT-CA-10 If a cellular forensic tool completes acquisition device without error, then address book entries containing k shall be presented in a useable format. SPT-CA-11 If a cellular forensic tool completes acquisition device without error, then email addresses associated with a entries shall be presented in a useable format. SPT-CA-12 If a cellular forensic tool completes acquisition device without error, then graphics associated with address shall be presented in a useable format. SPT-CA-13 If a cellular forensic tool completes acquisition device without error, then graphics associated with address shall be presented in a useable format. SPT-CA-13 If a cellular forensic tool completes acquisition device without error, then datebook, calendar, note entries presented in a useable format. SPT-CA-14 If a cellular forensic tool completes acquisition device without error, then maximum length datebook, calendar shall be presented in a useable format.	of the target es shall be of the target of the target of the target blank names of the target ddress book of the target book entries of the target shall be of the target
Tester Name:		
Test Host:	rpa Morrisy	
Test Date:	Tue Sep 25 11:38:39 EDT 2012	
Device:	HTC Thunderbolt	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log		
Highlights:	Created by Device Seizure v5.0 Acquisition started: Tue Sep 25 11:38:39 EDT 2012 Acquisition finished: Tue Sep 25 12:04:12 EDT 2012 All address book entries were successfully acquired Basic PIM-related data was not acquired Maximum length PIM-related data was not acquired <u>Notes</u> : Calendar and Memo entries were not reported.	
Highlights: Results:	Acquisition started: Tue Sep 25 11:38:39 EDT 2012 Acquisition finished: Tue Sep 25 12:04:12 EDT 2012 All address book entries were successfully acquired Basic PIM-related data was not acquired Maximum length PIM-related data was not acquired Notes:	
	Acquisition started: Tue Sep 25 11:38:39 EDT 2012 Acquisition finished: Tue Sep 25 12:04:12 EDT 2012 All address book entries were successfully acquired Basic PIM-related data was not acquired Maximum length PIM-related data was not acquired Notes: Calendar and Memo entries were not reported. Assertion & Expected Result	Actual Result
	Acquisition started: Tue Sep 25 11:38:39 EDT 2012 Acquisition finished: Tue Sep 25 12:04:12 EDT 2012 All address book entries were successfully acquired Basic PIM-related data was not acquired Maximum length PIM-related data was not acquired Notes: Calendar and Memo entries were not reported.	
	Acquisition started: Tue Sep 25 11:38:39 EDT 2012 Acquisition finished: Tue Sep 25 12:04:12 EDT 2012 All address book entries were successfully acquired Basic PIM-related data was not acquired Maximum length PIM-related data was not acquired Notes: Calendar and Memo entries were not reported. Assertion & Expected Result	Result

Test Case SPT	-06 Device Seizure 5.0 build 4582.15907	
	special characters.	
	SPT-CA-10 Acquisition of address book entries containing a blank name entry.	as expected
	SPT-CA-11 Acquisition of embedded email addresses within address book entries.	as expected
	SPT-CA-12 Acquisition of embedded graphics within address book entries.	as expected
	SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	Not as expected
	SPT-CA-14 Acquisition of maximum length PIM data.	as expected
Analysis:	Partial results achieved	

## 5.2.112 SPT-07 (HTC Thunderbolt)

Test Case SPI	2-07 Device Seizure 5.0 build 4582.15907		
Case Summary:	SPT-07 Acquire mobile device internal memory and review reported call logs.		
Assertions:	SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error, then call logs (incoming/outgoing/missed) shall be presented in a useable format. SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error, then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Tue Sep 25 11:39:05 EDT 2012		
Device:	HTC_Thunderbolt		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Tue Sep 25 11:39:05 EDT 2012 Acquisition finished: Tue Sep 25 12:05:42 EDT 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		

#### 5.2.113 SPT-08 (HTC Thunderbolt)

Test Case SPT	-08 Device Seizure 5.0 build 4582.15907
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.

Test Case SPT	-08 Device Seizure 5.0 build 4582.15907	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Sep 25 11:40:01 EDT 2012	
Device:	HTC_Thunderbolt	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Tue Sep 25 11:40:01 EDT 2012 Acquisition finished: Tue Sep 25 12:06:05 EDT 2012	
	ALL text messages (SMS, EMS) were acquired Correct date/time stamps were reported for all text message Correct status flags were reported for all text messages Sender and Recipient phone numbers associated with text mes 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	
AUGIASI2.	Expected results achieved	

# 5.2.114 SPT-09 (HTC Thunderbolt)

Test Case SP1	-09 Device Seizure 5.0 build 4582.15907	
Case	SPT-09 Acquire mobile device internal memory and review a	reported MMS multi-
Summary:	media-related data (i.e., text, audio, graphics, video).	
Assertions:	SPT-CA-21 If a cellular forensic tool completes acquisit device without error, then MMS messages and associated an presented in a useable format. SPT-CA-22 If a cellular forensic tool completes acquisit device without error, then MMS messages and associated gr be presented in a useable format. SPT-CA-23 If a cellular forensic tool completes acquisit device without error, then MMS messages and associated vi presented in a useable format.	ndio shall be ion of the target raphic files shall ion of the target
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Sep 25 12:19:14 EDT 2012	
Device:	HTC_Thunderbolt	
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Tue Sep 25 12:19:14 EDT 2012 Acquisition finished: Tue Sep 25 12:20:08 EDT 2012 ALL MMS messages (Audio, Image, Video) were acquired	
Results:	Assertion & Expected Result	Actual Result
	SPT-CA-21 Acquisition of audio MMS messages.	as expected
	SPT-CA-22 Acquisition of graphic data image MMS messages.	as expected
	SPT-CA-23 Acquisition of video MMS messages.	as expected

Test Case SPT-09 Device Seizure 5.0 build 4582.15907Analysis:Expected results achieved

#### 5.2.115 SPT-10 (HTC Thunderbolt)

Test Case SPI	I-10 Device Seizure 5.0 build 4582.15907	
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:	Morrisy	
Test Date:	Tue Sep 25 12:23:27 EDT 2012	
Device:	HTC_Thunderbolt	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Tue Sep 25 12:23:27 EDT 2012	
	Acquisition finished: Tue Sep 25 12:23:41 EDT 2012	
	Audio files were not acquired	
	Image files were not acquired	
	Video files were not acquired	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-24 Acquisition of stand-alone audio files.	Not as expected
	SPT-CA-25 Acquisition of stand-alone graphic files.	Not as expected
	SPT-CA-26 Acquisition of stand-alone video files.	Not as expected
Analysis:	Expected results not achieved	

#### 5.2.116 SPT-11 (HTC Thunderbolt)

Test Case SPT	-11 Device Seizure 5.0 build 4582.15907
Case	SPT-11 Acquire mobile device internal memory and review application-related
Summary:	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	rpa
Name:	
Test Host:	Morrisy
Test Date:	Tue Sep 25 12:15:39 EDT 2012
Device:	HTC_Thunderbolt
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by Device Seizure v5.0
Highlights:	Acquisition started: Tue Sep 25 12:15:39 EDT 2012

Test Case SP	T-11 Device Seizure 5.0 build 4582.15907	
	Acquisition finished: Tue Sep 25 12:18:43 EDT 2012	
	Application data was not acquired	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-27 Acquisition of application-related data.	Not as expected
Analysis:	Expected results not achieved	

#### 5.2.117 SPT-12 (HTC Thunderbolt)

Test Case SPT	-12 Device Seizure 5.0 build 4582.15907	
Case Summary:	SPT-12 Acquire mobile device internal memory and review Internet-related data (i.e., bookmarks, visited sites.	
Assertions:	SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error, then Internet-related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Sep 25 12:11:24 EDT 2012	
Device:	HTC_Thunderbolt	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Tue Sep 25 12:11:24 EDT 2012	
	Acquisition finished: Tue Sep 25 12:11:43 EDT 2012	
	All Internet-related data was acquired	
Results:		
	Assertion & Expected Result Actual Result	
	SPT-CA-28 Acquisition of Internet-related data. as expected	
Analysis:	Expected results achieved	

#### 5.2.118 SPT-13 (HTC Thunderbolt)

Test Case SPT	-13 Device Seizure 5.0 build 4582.15907
Case Summary:	SPT-13 Acquire mobile device internal memory by selecting a combination of supported data elements.
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option, then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with an "Select All" individual device data objects, then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition, then the tool shall acquire each exclusive data object without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Sep 25 12:07:58 EDT 2012
Device:	HTC_Thunderbolt
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Tue Sep 25 12:07:58 EDT 2012

February 2013

Test Case SP	T-13 Device Seizure 5.0 build 4582.15907	
	Acquisition finished: Tue Sep 25 12:11:31 EDT 2012	
	Acquire All acquisition was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-29 Acquire-All data objects acquisition.	as expected
	SPT-CA-30 Select-All data objects acquisition.	as expected
	SPT-CA-31 Select-Individual data objects acquisition.	as expected
Analysis:	Expected results achieved	

## 5.2.119 SPT-24 (HTC Thunderbolt)

Test Case SPT	-24 Device Seizure 5.0 build 4582.15907	
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 device without error, then the tool shall present the acquir useable format via supported generated report formats.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Sep 25 12:24:43 EDT 2012	
Device:	HTC_Thunderbolt	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Tue Sep 25 12:24:43 EDT 2012 Acquisition finished: Tue Sep 25 12:38:12 EDT 2012	
	Complete representation of known data via generated reports	was successful
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-25 Comparison of known device data elements via generated reports.	as expected
Analvsis:	Expected results achieved	

## 5.2.120 SPT-25 (HTC Thunderbolt)

Test Case SPT-	-25 Device Seizure 5.0 build 4582.15907
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:	Morrisy
Test Date:	Tue Sep 25 12:24:58 EDT 2012
Device:	HTC_Thunderbolt
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by Device Seizure v5.0
Highlights:	Acquisition started: Tue Sep 25 12:24:58 EDT 2012
	Acquisition finished: Tue Sep 25 12:38:39 EDT 2012
	Complete representation of known data via preview pane was successful

Results:		
	Assertion & Expected Result	Actual
		Result
	SPT-A0-26 Comparison of known device data elements via preview pane.	as expected

## 5.2.121 SPT-29 (HTC Thunderbolt)

Test Case SPT	-29 Device Seizure 5.0 build 4582.15907	
Case Summary:	SPT-29 After a successful mobile device internal memor file via third-party means and attempt to reopen the c	-
Assertions:	SPT-AO-27 If the case file or individual data objects third-party means, then the tool shall provide protect disallowing or reporting data modification.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Sep 25 12:25:32 EDT 2012	
Device:	HTC_Thunderbolt	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Tue Sep 25 12:25:32 EDT 2012 Acquisition finished: Tue Sep 25 12:26:33 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	

## 5.2.122 SPT-33 (HTC Thunderbolt)

Test Case SPT-33 Device Seizure 5.0 build 4582.15907		
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:	Morrisy	
Test Date:	Tue Sep 25 12:25:47 EDT 2012	
Device:	HTC_Thunderbolt	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Tue Sep 25 12:25:47 EDT 2012 Acquisition finished: Tue Sep 25 12:26:47 EDT 2012	
	Non-ASCII Address book entries were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed	

Results:		
	Assertion & Expected Result	Actual Result
	SPT-A0-40 Acquisition of non-ASCII address book entries/ADNs.	as expected
	SPT-AO-41 Acquisition of non-ASCII text messages.	as expected

#### 5.2.123 SPT-38 (HTC Thunderbolt)

Test Case SPT	-38 Device Seizure 5.0 build 4582.15907	
Case SPT-38 Acquire mobile device internal memory and review hash values summary: vendor supported data objects.		sh values for
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects, then the tool shall present the user with a hash value for each supported data object.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Sep 25 12:26:05 EDT 2012	
Device:	HTC_Thunderbolt	
Source	ource OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by Device Seizure v5.0 s: Acquisition started: Tue Sep 25 12:26:05 EDT 2012 Acquisition finished: Tue Sep 25 12:27:02 EDT 2012 Hash values were properly reported for individually acquired device dat elements	
Results:	Assertion & Expected Result	Actual Result
	SPT-AO-43 Acquire data, check known hash values for consistency.	as expected
Analysis:	Expected results achieved	

#### 5.2.124 SPT-01 (Palm Pre2)

Test Case SPT	Test Case SPT-01 Device Seizure 5.0 build 4582.15907		
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 objects without error. SPT-CA-32 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.		

	objects) on the mobile device shall remain consistent.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Sep 25 12:54:19 EDT 2012	
Device:	Palm_Pre2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Tue Sep 25 12:54:19 EDT 2012	
	Acquisition finished: Tue Sep 25 12:57:24 EDT 2012	
	Device connectivity was established via supported interface	
Results:		
Results:	Device connectivity was established via supported interface           Assertion & Expected Result	Actual Result
Results:		
Results:	Assertion & Expected Result	Result
Results:	Assertion & Expected Result SPT-CA-01 Device connectivity via supported interfaces. SPT-CA-04 Readability and completeness of acquired data via	Result as expected as expected
Results:	Assertion & Expected Result SPT-CA-01 Device connectivity via supported interfaces. SPT-CA-04 Readability and completeness of acquired data via supported reports.	Result as expected as expected as expected
Results:	Assertion & Expected Result SPT-CA-01 Device connectivity via supported interfaces. SPT-CA-04 Readability and completeness of acquired data via supported reports. SPT-CA-29 Acquire-All data objects acquisition.	Result as expected
Results:	Assertion & Expected ResultSPT-CA-01 Device connectivity via supported interfaces.SPT-CA-04 Readability and completeness of acquired data via supported reports.SPT-CA-29 Acquire-All data objects acquisition.SPT-CA-30 Select-All data objects acquisition.SPT-CA-31 Select-Individual data objects acquisition.SPT-CA-32 Perform back-to-back acquisitions, check device	Result as expected as expected as expected as expected
Results:	Assertion & Expected Result SPT-CA-01 Device connectivity via supported interfaces. SPT-CA-04 Readability and completeness of acquired data via supported reports. SPT-CA-29 Acquire-All data objects acquisition. SPT-CA-30 Select-All data objects acquisition. SPT-CA-31 Select-Individual data objects acquisition.	Result as expected as expected as expected as expected as expected

#### 5.2.125 SPT-02 (Palm Pre2)

Test Case SPT	-02 Device Seizure 5.0 build 4582.15907
Case Summary:	SPT-02 Attempt internal memory acquisition of a nonsupported mobile device.
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device, then the tool shall notify the user that the device is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Sep 25 12:54:43 EDT 2012
Device:	Palm_Pre2
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Tue Sep 25 12:54:43 EDT 2012 Acquisition finished: Tue Sep 25 12:57:34 EDT 2012
	Identification of nonsupported devices was successful
Results:	
	Assertion & Expected Result Actual Result
	SPT-CA-02 Identification of nonsupported devices. as expected
Analysis:	Expected results achieved

#### 5.2.126 SPT-03 (Palm Pre2)

Case SPT-03 Begin mobile device internal memory acquisition and interrupt	Test Case SPT-	-03 Device Seizure 5.0 build 4582.15907
	Case	SPT-03 Begin mobile device internal memory acquisition and interrupt
Summary: connectivity by interface disengagement.	Summary:	connectivity by interface disengagement.

Test Case SPT	-03 Device Seizure 5.0 build 4582.15907	
Assertions:	SPT-CA-03 If connectivity between the mobile device and celtool is disrupted, then the tool shall notify the user that has been disrupted.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Sep 25 12:55:01 EDT 2012	
Device:	Palm_Pre2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Tue Sep 25 12:55:01 EDT 2012 Acquisition finished: Tue Sep 25 12:57:46 EDT 2012 Device acquisition disruption notification was successful	
Results:	Assertion & Expected Result	Actual Result
	SPT-CA-03 Notification of device acquisition disruption.	as expected
Analysis:	Expected results achieved	

#### 5.2.127 SPT-04 (Palm Pre2)

Case SPT-04 Acquire mobile device internal memory and review reported data		rted data via
Summary:		
Assertions: SPT-CA-04 If a cellular forensic tool completes acquisition of the t device without error, then the tool shall have the ability to preser acquired data objects in a useable format via either a preview pane generated report.		o present
Tester	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Tue Sep 25 13:04:35 EDT 2012	
Device:	Palm_Pre2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Tue Sep 25 13:04:35 EDT 2012	
	Acquisition finished: Tue Sep 25 13:08:57 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	

#### 5.2.128 SPT-05 (Palm Pre2)

Test Case SPT-05 Device Seizure 5.0 build 4582.15907	
Case	SPT-05 Acquire mobile device internal memory and review reported subscriber
Summary:	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.

Test Case SPT-	-05 Device Seizure 5.0 build 4582.15907
	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:	гра
Test Host:	Morrisy
Test Date:	Tue Sep 25 13:09:51 EDT 2012
Device:	Palm_Pre2
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Tue Sep 25 13:09:51 EDT 2012 Acquisition finished: Tue Sep 25 13:44:25 EDT 2012 IMEI, MEID/ESN were not acquired
Results:	
	Assertion & Expected Result Actual Result
	SPT-CA-05 Acquisition of MSISDN, IMSI. Not as expected
	SPT-CA-06 Acquisition of IMEI/MEID/ESN. Not as expected
Analysis:	Expected results not achieved

## 5.2.129 SPT-06 (Palm Pre2)

Test Case SPT	-06 Device Seizure 5.0 build 4582.15907
Case	SPT-06 Acquire mobile device internal memory and review reported PIM-
Summary:	related data.
Assertions:	<pre>related data. 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-12 If a cellular forensic tool completes acquisition of the target device without error, then graphics associated with address book entries shall be presented in a useable format. SPT-CA-13 If a cellular forensic tool completes acquisition of the target device without error, then datebook, calendar, note entries shall be presented in a useable format. SPT-CA-14 If a cellular forensic tool completes acquisition of the target device without error, then maximum length datebook, calendar, note entries shall be</pre>
	shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Sep 25 13:10:07 EDT 2012
Device:	Palm_Pre2
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by Device Seizure v5.0
Highlights:	Acquisition started: Tue Sep 25 13:10:07 EDT 2012
	Acquisition finished: Tue Sep 25 13:44:47 EDT 2012
	Regular Length Address Book entries were not 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 not acquire Embedded graphics within Address Book entries were not acqui Basic PIM-related data was not acquired Maximum length PIM-related data was not acquired	
Results:	Assertion & Expected Result	Actual Result
	SPT-CA-07 Acquisition of address book entries.	Not as expected
	SPT-CA-08 Acquisition of maximum length address book entries.	NA
	SPT-CA-09 Acquisition of address book entries containing special characters.	NA
	SPT-CA-10 Acquisition of address book entries containing a blank name entry.	NA
	SPT-CA-11 Acquisition of embedded email addresses within address book entries.	NA
	SPT-CA-12 Acquisition of embedded graphics within address book entries.	NA
	SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	Not as expected
	SPT-CA-14 Acquisition of maximum length PIM data.	NA
Analysis:	Expected results not achieved	

# 5.2.130 SPT-07 (Palm Pre2)

Test Case SPT	-07 Device Seizure 5.0 build 4582.15907		
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:	Morrisy		
Test Date:	Tue Sep 25 13:10:27 EDT 2012		
Device:			
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Tue Sep 25 13:10:27 EDT 2012 Acquisition finished: Tue Sep 25 13:45:09 EDT 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	lls	
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-15 Acquisition of call logs.	Not as expected	
	SPT-CA-16 Acquisition of call log date/time stamps.	Not as expected	
Analysis:	Expected results not achieved		

#### 5.2.131 SPT-08 (Palm Pre2)

Test Case SPT	-08 Device Seizure 5.0 build 4582.15907		
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 device without error, then ASCII text messages (i.e., SMS, presented in a useable format. SPT-CA-18 If a cellular forensic tool completes acquisition device without error, then the corresponding date/time stam messages shall be presented in a useable format. SPT-CA-19 If a cellular forensic tool completes acquisition device without error, then the corresponding status (i.e., for text messages shall be presented in a useable format. SPT-CA-20 If a cellular forensic tool completes acquisition device without error, then the corresponding sender / recip numbers for text messages shall be presented in a useable format.	EMS) shall be of the target ps for text of the target read, unread) of the target ient phone	
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Tue Sep 25 13:10:42 EDT 2012		
Device:	Palm Pre2		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Becup.			
Log	Created by Device Seizure v5.0		
Highlights:	Acquisition started: Tue Sep 25 13:10:42 EDT 2012		
5 5 ***	Acquisition finished: Tue Sep 25 13:45:33 EDT 2012		
	in a second seco		
	Text messages were not acquired		
	Incorrect status flags were reported for text messages		
	Sender and Recipient phone numbers associated with text mes	sages were	
	incorrectly reported		
Results:			
	Assertion & Expected Result	Actual	
		Result	
	SPT-CA-17 Acquisition of text messages.	Not as	
		expected	
	SPT-CA-18 Acquisition of text message date/time stamps.	NA	
	SPT-CA-19 Acquisition of text message status flags.	NA	
	SPT-CA-20 Acquisition of sender/recipient phone number	NA	
	associated with text messages.		
Analysis:	Expected results not achieved		

#### 5.2.132 SPT-09 (Palm Pre2)

Test Case SPT	-09 Device Seizure 5.0 build 4582.15907
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 of the target device without error, then MMS messages and associated audio shall be presented in a useable format. SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated graphic files shall be presented in a useable format. SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error, then MMS messages and associated video shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Sep 25 13:11:04 EDT 2012

Device:	Palm_Pre2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Tue Sep 25 13:11:04 EDT 2012	
	Acquisition finished: Tue Sep 25 13:45:51 EDT 2012	
	Audio MMS messages were not acquired	
	Image MMS messages were not acquired	
	Video MMS messages were not acquired	
Desultat		
Results:	Assertion & Expected Result	Actual Result
Results:		Actual Result
Results:	Assertion & Expected Result	
Results:	Assertion & Expected Result	Not as
Results:	Assertion & Expected Result SPT-CA-21 Acquisition of audio MMS messages.	Not as expected
Results:	Assertion & Expected Result SPT-CA-21 Acquisition of audio MMS messages. SPT-CA-22 Acquisition of graphic data image MMS	Not as expected Not as
Results:	Assertion & Expected Result SPT-CA-21 Acquisition of audio MMS messages. SPT-CA-22 Acquisition of graphic data image MMS messages.	Not as expected Not as expected
Results:	Assertion & Expected Result SPT-CA-21 Acquisition of audio MMS messages. SPT-CA-22 Acquisition of graphic data image MMS messages.	Not as expected Not as expected Not as
Results: Analysis:	Assertion & Expected Result SPT-CA-21 Acquisition of audio MMS messages. SPT-CA-22 Acquisition of graphic data image MMS messages.	Not as expected Not as expected Not as

## 5.2.133 SPT-10 (Palm Pre2)

Test Case SPT	-10 Device Seizure 5.0 build 4582.15907	
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:	1 Pu	
Test Host:	Morrisy	
Test Date:	Tue Sep 25 13:11:19 EDT 2012	
Device:	Palm Pre2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Tue Sep 25 13:11:19 EDT 2012	
	Acquisition finished: Tue Sep 25 13:46:06 EDT 2012	
	Audio files were not acquired	
	Image files were not acquired	
	Video files were not acquired	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-24 Acquisition of stand-alone audio files.	Not as expected
	SPT-CA-25 Acquisition of stand-alone graphic files.	Not as expected
	SPT-CA-26 Acquisition of stand-alone video files.	Not as expected
Analysis:	Expected results not achieved	

#### 5.2.134 SPT-11 (Palm Pre2)

Test Case SP	I-11 Device Seizure 5.0 build 4582.15907	
Case Summary:	SPT-11 Acquire mobile device internal memory and review application-related data (i.e., Word documents, spreadsheet, presentation documents).	
Assertions:	SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error, then device specific application-related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Sep 25 13:12:05 EDT 2012	
Device:	Palm_Pre2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Tue Sep 25 13:12:05 EDT 2012 Acquisition finished: Tue Sep 25 13:46:21 EDT 2012 Application data was not acquired	
Results:	Assertion & Expected ResultActual ResultSPT-CA-27 Acquisition of application-related data.Not as expected	
Analysis:	Expected results not achieved	

#### 5.2.135 SPT-12 (Palm Pre2)

Test Case SPI	-12 Device Seizure 5.0 build 4582.15907		
Case	SPT-12 Acquire mobile device internal memory and review Internet-related		
Summary:	data (i.e., bookmarks, visited sites.		
Assertions:	SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error, then Internet-related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Tue Sep 25 13:12:21 EDT 2012		
Device:	Palm_Pre2		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by Device Seizure v5.0		
Highlights:	Acquisition started: Tue Sep 25 13:12:21 EDT 2012		
	Acquisition finished: Tue Sep 25 13:46:34 EDT 2012		
	Internet-related data was not acquired		
Results:			
Assertion & Expected Result Actual Resu			
	SPT-CA-28 Acquisition of Internet-related data. Not as expected		
Analysis:	Expected results not achieved		

#### 5.2.136 SPT-13 (Palm Pre2)

Test Case SPT	-13 Device Seizure 5.0 build 4582.15907
Case	SPT-13 Acquire mobile device internal memory by selecting a combination of
Summary:	supported data elements.

Test Case SPT	-13 Device Seizure 5.0 build 4582.15907	
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:	Morrisy	
Test Date:	Tue Sep 25 13:03:12 EDT 2012	
Device:	Palm_Pre2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Tue Sep 25 13:03:12 EDT 2012 Acquisition finished: Tue Sep 25 13:03:56 EDT 2012	
	Acquire All acquisition was successful	
Results:	Department of Remarked Departs	Detrol Derolt
	Assertion & Expected Result	Actual Result
	SPT-CA-29 Acquire-All data objects acquisition.	as expected
	SPT-CA-30 Select-All data objects acquisition. SPT-CA-31 Select-Individual data objects acquisition.	as expected
	SPI-CA-SI Select-Individual data objects acquisition.	as expected
Analysis:	Expected results achieved	

#### 5.2.137 SPT-24 (Palm Pre2)

Test Case SPT	-24 Device Seizure 5.0 build 4582.15907	
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:	Morrisy	
Test Date:	Tue Sep 25 12:58:22 EDT 2012	
Device:	Palm_Pre2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Tue Sep 25 12:58:22 EDT 2012 Acquisition finished: Tue Sep 25 13:00:47 EDT 2012	
	Complete representation of known data via generated reports	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	

## 5.2.138 SPT-25 (Palm Pre2)

Test Case SPT	-25 Device Seizure 5.0 build 4582.15907	
Case Summary:	SPT-25 Acquire mobile device internal memory and review reported data via the preview pane.	
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the target device without error, then the tool shall present the acquired data in a useable format in a preview pane view.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Sep 25 12:58:37 EDT 2012	
Device:	Palm_Pre2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Tue Sep 25 12:58:37 EDT 2012 Acquisition finished: Tue Sep 25 13:01:02 EDT 2012 Complete representation of known data via preview pane was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-26 Comparison of known device data elements via preview pane.	as expected
Ame langi et		
Analysis:	Expected results achieved	

#### 5.2.139 SPT-29 (Palm Pre2)

Test Case SPT	-29 Device Seizure 5.0 build 4582.15907	
Case	SPT-29 After a successful mobile device internal memor	y, 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:	Morrisy	
Test Date:	Tue Sep 25 13:02:26 EDT 2012	
Device:	Palm_Pre2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by Device Seizure v5.0	
Highlights:	Acquisition started: Tue Sep 25 13:02:26 EDT 2012	
	Acquisition finished: Tue Sep 25 13:03:20 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	

#### 5.2.140 SPT-38 (Palm Pre2)

Test Case SPT-38 Device Seizure 5.0 build 4582.15907		
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	

Test Case SPT-38 Device Seizure 5.0 build 4582.15907				
	data objects, then the tool shall present the user with a h each supported data object.	ash value for		
Tester Name:	гра			
Test Host:	Morrisy			
Test Date:	Tue Sep 25 13:02:47 EDT 2012			
Device:	Palm_Pre2			
Source	OS: WIN XP v5.1.2600			
Setup:	Interface: cable			
Log Highlights:	Created by Device Seizure v5.0 Acquisition started: Tue Sep 25 13:02:47 EDT 2012 Acquisition finished: Tue Sep 25 13:03:35 EDT 2012 Hash values were properly reported for individually acquired device data elements			
Results:				
	Assertion & Expected Result	Actual Result		
	SPT-A0-43 Acquire data, check known hash values for consistency.	as expected		
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).

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

#### **Strategic Goals**

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#### Creating relevant knowledge and tools

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

#### Dissemination

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

#### Agency management

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

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