

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

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#### **Greg Ridgeway**

Acting Director, National Institute of Justice

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## **Test Results for Mobile Device Acquisition Tool:**

Micro Systemation XRY v6.3.1



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#### Introduction

- 2 The Computer Forensics Tool Testing (CFTT) program is a joint project of the National
- 3 Institute of Justice (NIJ), the Department of Homeland Security Science and Technology
- 4 Directorate (DHS S&T), and the National Institute of Standards and Technology Office
- 5 of Law Enforcement Standards Office (OLES) and Information Technology Laboratory
- 6 (ITL). CFTT is supported by other organizations, including the Federal Bureau of
- 7 Investigation, the U.S. Department of Defense Cyber Crime Center, the U.S. Internal
- 8 Revenue Service Criminal Investigation Division Electronic Crimes Program, the U.S.
- 9 Department of Homeland Security's Bureau of Immigration and Customs Enforcement,
- 10 U.S. Customs and Border Protection and U.S. Secret Service, the Naval Postgraduate
- 11 School, the National White Collar Crime Center, the Commodity Futures Trading
- 12 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
- 15 investigations provide accurate results. Accomplishing this requires the development of
- specifications and test methods for computer forensics tools and subsequent testing of
- 17 specific tools against those specifications.

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

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- 26 This document reports the results from testing Micro Systemation XRY version 6.3.1
- 27 against the Smart Phone Tool Test Assertions and Test Plan, available at the CFTT Web
- site (www.cftt.nist.gov/mobile\_devices.htm).

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- 30 Test results from other tools and the CFTT tool methodology can be found on NIJ's
- 31 computer forensics tool testing Web
- 32 page, http://www.ojp.usdoj.gov/nij/topics/technology/electronic-crime/cftt.htm.

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#### **How to Read This Report**

- 35 This report is divided into five sections. The first section is a summary of the results from
- 36 the test runs. This section is sufficient for most readers to assess the suitability of the tool
- 37 for the intended use. The remaining sections of the report describe how the tests were
- 38 conducted, discuss any anomalies that were encountered, and provide documentation of
- 39 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
- 41 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
- 43 first section. Section 4 lists hardware and software used to run the test cases. Section 5

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

#### 48 Test Results for Mobile Device Data Acquisition Tool

Tool Tested: XRY

Version: 6.3.1

Run Environment: Microsoft Windows XP v5.1.2600

Supplier: MSAB INC

Address: 2900 K-Street NW, Suite 505

Washington DC 20007

Tel: 205–536–1590 Fax: 888–395–9027

WWW: http://www.msab.com

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### 1 Results Summary

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

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67 68 The tool was tested for its ability to acquire active and deleted data from the internal memory of mobile devices and SIMs. Except for the following anomalies, the tool acquired all supported data objects completely and accurately for all eight mobile devices tested.

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Device connectivity:

- Connectivity to the mobile device was not established. (Motorola Tundra) *SIM acquisition disruption*:
- When connectivity was interrupted, the tool failed to notify the user that the acquisition had been disrupted for the Subscriber Idenity Module. (iPhone4 GSM, BlackBerry Torch, Samsung Focus, Nokia 6350, Motorola Tundra, HTC Tilt2)
  Physical acquisition:
  - Deleted address book entries and calendar entries were not reported. (iPhone4 GSM, iPhone4 CDMA)

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Refer to sections 3.1 - 3.3 for additional details.

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#### 2 Test Case Selection

- 74 Test cases used to test mobile device acquisition tools are defined in *Smart Phone Tool*
- 75 Test Assertions and Test Plan Version 1.0. To test a tool, test cases are selected from the
- 76 Test Plan document based on the features offered by the tool. Not all test cases or test

assertions are appropriate for all tools. There is a core set of bases cases that are executed for every tool tested. Tool features guide the selection of additional test cases. If a given tool implements a given feature then the test cases linked to that feature are run. Tables (1a-1h) list the test cases available in Smartphone Examiner. Tables (2a-2h) list the test cases not available in Smartphone Examiner.

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#### Table 1a: Selected Test Cases (iPhone4 GSM)

Supported Optional Feature	Cases Selected for Execution
Base cases	SPT-01, SPT-02, SPT-03,
	SPT-04, SPT-05, SPT-06,
	SPT-07, SPT-08, SPT-09,
	SPT-10, SPT-11, SPT-12,
	SPT-13
Acquire SIM memory over supported interfaces (e.g.,	SPT-14
PC/SC reader).	
Attempt acquisition of a nonsupported SIM.	SPT-15
Begin SIM acquisition and interrupt connectivity by	SPT-16
interface disengagement.	
Acquire SIM memory and review reported subscriber and	SPT-17
equipment related information (i.e., SPN, ICCID, IMSI, MSISDN).	
Acquire SIM memory and review reported Abbreviated	SPT-18
Dialing Numbers (ADN).	
Acquire SIM memory and review reported Last Numbers	SPT-19
Dialed (LND).	
Acquire SIM memory and review reported text messages	SPT-20
(SMS, EMS).	
Acquire SIM memory and review recoverable deleted text	SPT-21
messages (SMS, EMS).	
Acquire SIM memory and review reported location	SPT-22
related data (i.e., LOCI, GPRSLOCI).	
Acquire SIM memory by selecting a combination of	SPT-23
supported data elements.	
Acquire mobile device internal memory and review	SPT-24
reported data via supported generated report formats.	
Acquire mobile device internal memory and review	SPT-25
reported data via the preview pane.	
Acquire SIM memory and review reported data via	SPT-26
supported generated report formats.	
Acquire SIM memory and review reported data via the	SPT-27
preview-pane.	
Attempt acquisition of a password-protected SIM.	SPT-28
After a successful mobile device internal memory, alter	SPT-29
the case file via third-party means and attempt to re-open	
the case.	

Supported Optional Feature	Cases Selected for Execution
After a successful SIM acquisition, alter the case file via	SPT-30
third-party means and attempt to re-open the case.	
Perform a physical acquisition and review data output for	SPT-31
readability.	
Perform a physical acquisition and review reports for	SPT-32
recoverable deleted data.	
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	SPT-36
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.	
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.	
Acquire mobile device internal memory and review data	SPT-40
containing GPS longitude and latitude coordinates.	

#### 85 Table 2a: Omitted Test Cases (iPhone4 GSM)

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

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

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

Supported Optional Feature	Cases Selected for Execution
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	SPT-22
related data (i.e., LOCI, GPRSLOCI).	
Acquire SIM memory by selecting a combination of	SPT-23
supported data elements.	
Acquire mobile device internal memory and review	SPT-24
reported data via supported generated report formats.	
Acquire mobile device internal memory and review	SPT-25
reported data via the preview pane.	
Acquire SIM memory and review reported data via	SPT-26
supported generated report formats.	
Acquire SIM memory and review reported data via the	SPT-27
preview-pane.	51127
Attempt acquisition of a password-protected SIM.	SPT-28
After a successful mobile device internal memory, alter	SPT-29
the case file via third-party means and attempt to re-open	
the case.	
After a successful SIM acquisition, alter the case file via	SPT-30
third-party means and attempt to re-open the case.	
Perform a physical acquisition and review data output for	SPT-31
readability.	
Perform a physical acquisition and review reports for	SPT-32
recoverable deleted data.	511 32
Acquire mobile device internal memory and review data	SPT-33
containing non-ASCII characters.	511 33
Acquire SIM memory and review data containing non-	SPT-34
ASCII characters.	DI I JT
Begin acquisition on a PIN protected SIM to determine if	SPT-35
the tool provides an accurate count of the remaining	DI 1-33
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	SPT-36
been exhausted to determine if the tool provides an	51 1-30
accurate count of the remaining number of PUK attempts	
and if the PUK attempts are decremented when entering	
and if the FOK attempts are decremented when entering	

Supported Optional Feature	Cases Selected for Execution
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.	

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

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

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

Supported Optional Feature	Cases Selected for
	Execution
Base cases	SPT-01, SPT-02,
	SPT-03, SPT-04,
	SPT-10, SPT-13
Acquire SIM memory over supported interfaces (e.g., PC/SC	SPT-14
reader).	
Attempt acquisition of a nonsupported SIM.	SPT-15
Begin SIM acquisition and interrupt connectivity by interface	SPT-16
disengagement.	
Acquire SIM memory and review reported subscriber and	SPT-17
equipment related information (i.e., SPN, ICCID, IMSI, MSISDN).	
Acquire SIM memory and review reported Abbreviated Dialing	SPT-18
Numbers (ADN).	
Acquire SIM memory and review reported Last Numbers Dialed	SPT-19
(LND).	
Acquire SIM memory and review reported text messages (SMS,	SPT-20
EMS).	
Acquire SIM memory and review recoverable deleted text messages	SPT-21
(SMS, EMS).	
Acquire SIM memory and review reported location related data	SPT-22
(i.e., LOCI, GPRSLOCI).	
Acquire SIM memory by selecting a combination of supported data	SPT-23
elements.	
Acquire mobile device internal memory and review reported data	SPT-24
via supported generated report formats.	
Acquire mobile device internal memory and review reported data	SPT-25
via the preview pane.	
Acquire SIM memory and review reported data via supported	SPT-26

Supported Optional Feature	Cases Selected for Execution
generated report formats.	Execution
Acquire SIM memory and review reported data via the preview-pane.	SPT-27
Attempt acquisition of a password-protected SIM.	SPT-28
After a successful mobile device internal memory, alter the case file via third-party means and attempt to re-open the case.	SPT-29
After a successful SIM acquisition, alter the case file via third-party means and attempt to re-open the case.	SPT-30
Acquire SIM memory and review data containing non-ASCII characters.	SPT-34
Begin acquisition on a PIN protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.	SPT-35
Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.	SPT-36
Acquire mobile device internal memory and review hash values for vendor supported data objects.	SPT-38
Acquire SIM memory and review hash values for vendor supported data objects.	SPT-39

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

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Unsupported Optional Feature	Cases omitted -
	not executed
Acquire mobile device internal memory and review reported subscriber	SPT-05
and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).	
Acquire mobile device internal memory and review reported PIM	SPT-06
related data.	
Acquire mobile device internal memory and review reported call logs.	SPT-07
Acquire mobile device internal memory and review reported text	SPT-08
messages.	
Acquire mobile device internal memory and review reported MMS	SPT-09
multi-media related data (i.e., text, audio, graphics, video).	
Acquire mobile device internal memory and review application related	SPT-11
data (i.e., word documents, spreadsheet, presentation documents).	
Acquire mobile device internal memory and review Internet related	SPT-12
data (i.e., bookmarks, visited sites.	
Perform a physical acquisition and review data output for readability.	SPT-31
Perform a physical acquisition and review reports for recoverable	SPT-32
deleted data.	
Acquire mobile device internal memory and review data containing	SPT-33
non-ASCII characters.	

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

#### Table 1d: Selected Test Cases (Nokia 6350)

Supported Optional Feature	Cases Selected for Execution
Base cases	SPT-01, SPT-02, SPT-03,
	SPT-04, SPT-05, SPT-06,
	SPT-07, SPT-08, SPT-09,
	SPT-10, SPT-11, SPT-13
Acquire SIM memory over supported interfaces (e.g.,	SPT-14
PC/SC reader).	
Attempt acquisition of a nonsupported SIM.	SPT-15
Begin SIM acquisition and interrupt connectivity by	SPT-16
interface disengagement.	
Acquire SIM memory and review reported subscriber and	SPT-17
equipment related information (i.e., SPN, ICCID, IMSI,	
MSISDN).	
Acquire SIM memory and review reported Abbreviated	SPT-18
Dialing Numbers (ADN).	
Acquire SIM memory and review reported Last Numbers	SPT-19
Dialed (LND).	
Acquire SIM memory and review reported text messages	SPT-20
(SMS, EMS).	
Acquire SIM memory and review recoverable deleted text	SPT-21
messages (SMS, EMS).	
Acquire SIM memory and review reported location related	SPT-22
data (i.e., LOCI, GPRSLOCI).	
Acquire SIM memory by selecting a combination of	SPT-23
supported data elements.	
Acquire mobile device internal memory and review	SPT-24
reported data via supported generated report formats.	
Acquire mobile device internal memory and review	SPT-25
reported data via the preview pane.	
Acquire SIM memory and review reported data via	SPT-26
supported generated report formats.	
Acquire SIM memory and review reported data via the	SPT-27
preview-pane.	
Attempt acquisition of a password-protected SIM.	SPT-28
After a successful mobile device internal memory, alter the	SPT-29
case file via third-party means and attempt to re-open the	
case.	
case.	

Supported Optional Feature	Cases Selected for Execution
After a successful SIM acquisition, alter the case file via	SPT-30
third-party means and attempt to re-open 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.	

#### 97 Table 2d: Omitted Test Cases (Nokia 6350)

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

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#### Table 1e: Selected Test Cases (Motorola Tundra)

Supported Optional Feature	Cases Selected for
	Execution
Base cases	SPT-01
Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	SPT-14
Attempt acquisition of a nonsupported SIM.	SPT-15
Begin SIM acquisition and interrupt connectivity by interface	SPT-16
disengagement.	
Acquire SIM memory and review reported subscriber and equipment	SPT-17
related information (i.e., SPN, ICCID, IMSI, MSISDN).	

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Supported Optional Feature	Cases
	Selected for Execution
Acquire SIM memory and review reported Abbreviated Dialing Numbers	SPT-18
(ADN).	51 1-16
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 reported text messages (SMS, EMS).  Acquire SIM memory and review recoverable deleted text messages	SPT-21
(SMS, EMS).	SF 1-21
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 re-open the case.	
Acquire SIM memory and review data containing non-ASCII characters.	SPT-34
Begin acquisition on a PIN protected SIM to determine if the tool	SPT-35
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 exhausted to	SPT-36
determine if the tool provides an accurate count of the remaining number	
of PUK attempts and if the PUK attempts are decremented when entering	
an incorrect value.	
Acquire SIM memory and review hash values for vendor supported data	SPT-39
objects.	

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

Unsupported Optional Feature	Cases omitted - not executed
Attempt internal memory acquisition of a nonsupported mobile device.	SPT-02
Begin mobile device internal memory acquisition and interrupt	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.	
Acquire mobile device internal memory and review reported subscriber	SPT-05
and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).	
Acquire mobile device internal memory and review reported PIM	SPT-06
related data.	
Acquire mobile device internal memory and review reported call logs.	SPT-07
Acquire mobile device internal memory and review reported text	SPT-08
messages.	
Acquire mobile device internal memory and review reported MMS	SPT-09

Unsupported Optional Feature	Cases omitted - not executed
multi-media related data (i.e., text, audio, graphics, video).	not executed
Acquire mobile device internal memory and review reported stand-	SPT-10
alone multi-media data (i.e., audio, graphics, video).	
Acquire mobile device internal memory and review application related	SPT-11
data (i.e., word documents, spreadsheet, presentation documents).	
Acquire mobile device internal memory and review Internet related	SPT-12
data (i.e., bookmarks, visited sites.	
Acquire mobile device internal memory by selecting a combination of	SPT-13
supported data elements.	
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 re-open 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
deleted data.	
Acquire mobile device internal memory and review data containing	SPT-33
non-ASCII characters.	
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 hash values for	SPT-38
vendor supported data objects.	
Acquire mobile device internal memory and review data containing	SPT-40
GPS longitude and latitude coordinates.	

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

Supported Optional Feature	Cases Selected for Execution
Base cases	SPT-01, SPT-02, SPT-03,
	SPT-04, SPT-05, SPT-06,
	SPT-07, SPT-08, SPT-09,
	SPT-10, SPT-11, SPT-12,
	SPT-13
Acquire SIM memory over supported interfaces (e.g.,	SPT-14
PC/SC reader).	
Attempt acquisition of a nonsupported SIM.	SPT-15
Begin SIM acquisition and interrupt connectivity by	SPT-16
interface disengagement.	
Acquire SIM memory and review reported subscriber and	SPT-17
equipment related information (i.e., SPN, ICCID, IMSI,	
MSISDN).	
Acquire SIM memory and review reported Abbreviated	SPT-18

Supported Optional Feature	Cases Selected for Execution
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	SPT-22
related data (i.e., LOCI, GPRSLOCI).	
Acquire SIM memory by selecting a combination of	SPT-23
supported data elements.	21 1 20
Acquire mobile device internal memory and review	SPT-24
reported data via supported generated report formats.	51121
Acquire mobile device internal memory and review	SPT-25
reported data via the preview pane.	51 1 23
Acquire SIM memory and review reported data via	SPT-26
supported generated report formats.	51 1 20
Acquire SIM memory and review reported data via the	SPT-27
preview-pane.	SI 1-27
Attempt acquisition of a password-protected SIM.	SPT-28
After a successful mobile device internal memory, alter	SPT-29
the case file via third-party means and attempt to re-open	SF 1-29
the case.	
After a successful SIM acquisition, alter the case file via	SPT-30
third-party means and attempt to re-open the case.	31 1-30
Perform a physical acquisition and review data output for	SPT-31
readability.	Sr 1-31
Perform a physical acquisition and review reports for	SPT-32
recoverable deleted data.	SF 1-32
Acquire mobile device internal memory and review data	SPT-33
_ =	SF 1-33
containing non-ASCII characters.	SPT-34
Acquire SIM memory and review data containing non-ASCII characters.	SF 1-34
	SPT-35
Begin acquisition on a PIN protected SIM to determine if	SP1-33
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.	CDT 26
Begin acquisition on a SIM whose PIN attempts have	SPT-36
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.	CDT 20
Acquire mobile device internal memory and review hash	SPT-38
values for vendor supported data objects.	CDT 20
Acquire SIM memory and review hash values for vendor	SPT-39

Supported Optional Feature	Cases Selected for Execution
supported data objects.	

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

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

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

Supported Optional Feature	Cases Selected for Execution
Base cases	SPT-01, SPT-02, SPT-03, SPT-04, SPT-
	05, SPT-06, SPT-07, SPT-08, SPT-09,
	SPT-10, SPT-11, SPT-12, SPT-13
Acquire mobile device internal memory and	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 re-open the case.	
Perform a physical acquisition and review	SPT-31
data output for readability.	
Perform a physical acquisition and review	SPT-32
reports for recoverable deleted data.	
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.	
Acquire mobile device internal memory and	SPT-40
review data containing GPS longitude and	
latitude coordinates.	

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

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

Unsupported Optional Feature	Cases
	omitted - not
A service CDM assessment of a service service and a service se	executed
Acquire SIM memory and review reported subscriber and equipment	SPT-17
related information (i.e., SPN, ICCID, IMSI, MSISDN).	CDT 10
Acquire SIM memory and review reported Abbreviated Dialing Numbers	SPT-18
(ADN).	CDT 10
Acquire SIM memory and review reported Last Numbers Dialed (LND).	SPT-19
Acquire SIM memory and review reported text messages (SMS, EMS).	SPT-20
Acquire SIM memory and review recoverable deleted text messages	SPT-21
(SMS, EMS).	
Acquire SIM memory and review reported location related data (i.e.,	SPT-22
LOCI, GPRSLOCI).	
Acquire SIM memory by selecting a combination of supported data	SPT-23
elements.	
Acquire SIM memory and review reported data via supported generated	SPT-26
report formats.	
Acquire SIM memory and review reported data via the preview-pane.	SPT-27
Attempt acquisition of a password-protected SIM.	SPT-28
After a successful SIM acquisition, alter the case file via third-party means	SPT-30
and attempt to re-open the case.	
Acquire SIM memory and review data containing non-ASCII characters.	SPT-34
Begin acquisition on a PIN protected SIM to determine if the tool provides	SPT-35
an accurate count of the remaining number of PIN attempts and if the PIN	
attempts are decremented when entering an incorrect value.	
Begin acquisition on a SIM whose PIN attempts have been exhausted to	SPT-36
determine if the tool provides an accurate count of the remaining number	
of PUK attempts and if the PUK attempts are decremented when entering	
an incorrect value.	
Perform a stand-alone mobile device internal memory acquisition and	SPT-37
review the status flags for text messages present on the SIM.	
Acquire SIM memory and review hash values for vendor supported data	SPT-39
objects.	

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

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

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

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

Unsupported Optional Feature	Cases omitted - not
	executed
Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	SPT-14
Attempt acquisition of a nonsupported SIM.	SPT-15
Begin SIM acquisition and interrupt connectivity by interface	SPT-16
disengagement.	
Acquire SIM memory and review reported subscriber and equipment	SPT-17
related information (i.e., SPN, ICCID, IMSI, MSISDN).	
Acquire SIM memory and review reported Abbreviated Dialing Numbers	SPT-18
(ADN).	
Acquire SIM memory and review reported Last Numbers Dialed (LND).	SPT-19
Acquire SIM memory and review reported text messages (SMS, EMS).	SPT-20
Acquire SIM memory and review recoverable deleted text messages	SPT-21
(SMS, EMS).	
Acquire SIM memory and review reported location related data (i.e.,	SPT-22
LOCI, GPRSLOCI).	
Acquire SIM memory by selecting a combination of supported data	SPT-23
elements.	
Acquire SIM memory and review reported data via supported generated	SPT-26
report formats.	
Acquire SIM memory and review reported data via the preview-pane.	SPT-27
Attempt acquisition of a password-protected SIM.	SPT-28
After a successful SIM acquisition, alter the case file via third-party means	SPT-30
and attempt to re-open the case.	
Perform a physical acquisition and review data output for readability.	SPT-31
Perform a physical acquisition and review reports for recoverable deleted	SPT-32
data.	
Acquire SIM memory and review data containing non-ASCII characters.	SPT-34
Begin acquisition on a PIN protected SIM to determine if the tool provides	SPT-35
an accurate count of the remaining number of PIN attempts and if the PIN	
attempts are decremented when entering an incorrect value.	
Begin acquisition on a SIM whose PIN attempts have been exhausted to	SPT-36

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Unsupported Optional Feature	Cases omitted - not
	executed
determine if the tool provides an accurate count of the remaining number	
of PUK attempts and if the PUK attempts are decremented when entering	
an incorrect value.	
Perform a stand-alone mobile device internal memory acquisition and	SPT-37
review the status flags for text messages present on the SIM.	
Acquire SIM memory and review hash values for vendor supported data	SPT-39
objects.	

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#### 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*.

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Tables 3a - 3h summarize the test results by assertion. The column labeled **Assertions Tested** describes the text of each assertion. The column labeled **Tests** gives the number of test cases that use the given assertion. The column labeled **Anomaly** gives the section number in this report where any obverved anomalies are discussed.

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#### Table 3a: Assertions Tested (iPhone4 GSM)

Assertions Tested	Tests	Anomaly
SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).	1	
SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device then the tool shall notify the user that the device is not supported.	1	
SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted.	1	
SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.	2	
SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error then subscriber-related information shall be presented in a useable format.	1	
SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error then equipment related information shall be presented in a useable format.	1	
SPT-CA-07 If a cellular forensic tool completes acquisition of the target	1	

Assertions Tested	Tests	Anomaly
device without error then address book entries shall be presented in a		
useable format.		
SPT-CA-08 If a cellular forensic tool completes acquisition of the target		
device without error then maximum length address book entries shall be	1	
presented in a useable format.		
SPT-CA-09 If a cellular forensic tool completes acquisition of the target		
device without error then address book entries containing special	1	
characters shall be presented in a useable format.		
SPT-CA-10 If a cellular forensic tool completes acquisition of the target		
device without error then address book entries containing blank names	1	
shall be presented in a useable format.		
SPT-CA-11 If a cellular forensic tool completes acquisition of the target		
device without error then email addresses associated with address book	1	
entries shall be presented in a useable format.		
SPT-CA-12 If a cellular forensic tool completes acquisition of the target		
device without error then graphics associated with address book entries	1	
shall be presented in a useable format.		
SPT-CA-13 If a cellular forensic tool completes acquisition of the target		
device without error then datebook, calendar, note entries shall be	1	
presented in a useable format.		
SPT-CA-14 If a cellular forensic tool completes acquisition of the target		
device without error then maximum length datebook, calendar, note	1	
entries shall be presented in a useable format.		
SPT-CA-15 If a cellular forensic tool completes acquisition of the target		
device without error then call logs (incoming/outgoing/missed) shall be	1	
presented in a useable format.		
SPT-CA-16 If a cellular forensic tool completes acquisition of the target		
device without error then the corresponding date/time stamps and the	1	
duration of the call for call logs shall be presented in a useable format.		
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) for	1	
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	
presented in a useable format.		
SPT-CA-22 If a cellular forensic tool completes acquisition of the target	1	
1		

Assertions Tested	Tests	Anomaly
device without error then MMS messages and associated graphic files		
shall be presented in a useable format.		
SPT-CA-23 If a cellular forensic tool completes acquisition of the target		
device without error then MMS messages and associated video shall be	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	
useable format via either an internal application or suggested third-party	1	
application.		
SPT-CA-25 If a cellular forensic tool completes acquisition of the target		
device without error then stand-alone graphic files shall be presented in	1	
a useable format via either an internal application or suggested third-	1	
party application.		
SPT-CA-26 If a cellular forensic tool completes acquisition of the target		
device without error then stand-alone video files shall be presented in a		
useable format via either an internal application or suggested third-party	1	
application.		
SPT-CA-27 If a cellular forensic tool completes acquisition of the target		
device without error then device specific application related data shall		
be acquired and presented in a useable format via either an internal	1	
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 objects without error.	2	
SPT-CA-32 If a cellular forensic tool completes two consecutive logical		
acquisitions of the target device without error then the payload (data	1	
objects) on the mobile device shall remain consistent.	1	
SPT-AO-01 If a cellular forensic tool provides support for connectivity		
of the target SIM then the tool shall successfully recognize the target		
SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary	2	
reader, smart phone itself).		
SPT-AO-02 If a cellular forensic tool attempts to connect to a		
nonsupported SIM then the tool shall notify the user that the SIM is not	1	
supported.	1	
	1	2.2
SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM	1	3.2

Assertions Tested	Tests	Anomaly
reader then the tool shall notify the user that connectivity has been		
disrupted.		
SPT-AO-04 If a cellular forensic tool completes acquisition of the target	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	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 a	1	
useable format.		
SPT-AO-12 If a cellular forensic tool completes acquisition of the target		
SIM without error then Last Numbers Dialed (LND) shall be presented	1	
in a useable format.		
SPT-AO-13 If a cellular forensic tool completes acquisition of the target		
SIM without error then the corresponding date/time stamps for LNDs	1	
shall be presented in a useable format.		
SPT-AO-14 If a cellular forensic tool completes acquisition of the target		
SIM without error then ASCII SMS text messages shall be presented in	1	
a useable format.		
SPT-AO-15 If a cellular forensic tool completes acquisition of the target		
SIM without error then ASCII EMS text messages shall be presented in	1	
a useable format.		
SPT-AO-16 If a cellular forensic tool completes acquisition of the target		
SIM without error then the corresponding date/time stamps for all text	1	
messages shall be presented in a useable format.		
SPT-AO-17 If a cellular forensic tool completes acquisition of the target		
SIM without error then the corresponding status (i.e., read, unread) for	1	
text messages shall be presented in a useable format.		
SPT-AO-18 If a cellular forensic tool completes acquisition of the target		
SIM without error then the corresponding sender / recipient phone	1	
numbers for text messages shall be presented in a useable format.		

Assertions Tested	Tests	Anomaly
SPT-AO-19 If the cellular forensic tool completes acquisition of the		
target SIM without error then deleted text messages that have not been	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 should	1	
provide an accurate count of the remaining PIN attempts.		
SPT-AO-30 If a cellular forensic tool provides the examiner with the		
remaining number of PUK attempts then the application should provide	1	
an accurate count of the remaining PUK attempts.		
SPT-AO-31 If the cellular forensic tool supports a physical acquisition		
of the target device then the tool shall complete the acquisition without	1	
error.	1	
SPT-AO-32 If the cellular forensic tool supports the interpretation of		
address book entries present on the target device then the tool shall		
report recoverable active and deleted data or address book data remnants	1	3.3
in a useable format.		
SPT-AO-33 If the cellular forensic tool supports the interpretation of	1	3.3
calendar, tasks, or notes present on the target device then the tool shall		

Assertions Tested	Tests	Anomaly
report recoverable active and deleted calendar, tasks, or note data		
remnants in a useable format.		
SPT-AO-34 If the cellular forensic tool supports the interpretation of		
call logs present on the target device then the tool shall report	1	
recoverable active and deleted call or call log data remnants in a useable	1	
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	1	
recoverable active and deleted SMS messages or SMS message data	1	
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	1	
remnants in a useable format.		
SPT-AO-37 If the cellular forensic tool supports the interpretation of		
audio files present on the target device then the tool shall report		
recoverable active and deleted audio data or audio file data remnants in	1	
a useable format.		
SPT-AO-38 If the cellular forensic tool supports the interpretation of		
graphic files present on the target device then the tool shall report		
recoverable active and deleted graphic file data or graphic file data	1	
remnants in a useable format.		
SPT-AO-39 If the cellular forensic tool supports the interpretation of		
video files present on the target device then the tool shall report		
recoverable active and deleted video file data or video file data remnants	1	
in a useable format.		
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII		
characters then the application should present 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		
data objects then the tool shall present the user with a hash value for	2	
each supported data object.	_	
SPT-AO-44 If the cellular forensic tool supports acquisition of GPS		
data then the tool shall present the user with the longitude and latitude	1	
coordinates for all GPS-related data in a useable format.	1	
Coordinates for an Ors-related data in a diseable format.		

Table 3b: Assertions Tested: (BlackBerry Torch)

Assertions Tested	Tests	Anomaly
SPT-CA-01 If a cellular forensic tool provides support for connectivity		
of the target device then the tool shall successfully recognize the target	1	
device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).		
SPT-CA-02 If a cellular forensic tool attempts to connect to a	1	

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-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.  SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error then subscriber-related information shall be
SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted.  SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.  SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error then subscriber-related information shall be
forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted.  SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.  SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error then subscriber-related information shall be  1
forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted.  SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.  SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error then subscriber-related information shall be  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 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
SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.  SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error then subscriber-related information shall be  1
device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.  SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error then subscriber-related information shall be  1
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
SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error then subscriber-related information shall be
device without error then subscriber-related information shall be
device without error then subscriber-related information shall be
presented in a useable format.
SPT-CA-06 If a cellular forensic tool completes acquisition of the target
device without error then equipment related information shall be
presented in a useable format.
SPT-CA-07 If a cellular forensic tool completes acquisition of the target
device without error then address book entries shall be presented in a 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 be 1
presented in a useable format.
SPT-CA-09 If a cellular forensic tool completes acquisition of the target
device without error then address book entries containing special 1
characters shall be presented in a useable format.
SPT-CA-10 If a cellular forensic tool completes acquisition of the target
device without error then address book entries containing blank names 1
shall be presented in a useable format.
SPT-CA-11 If a cellular forensic tool completes acquisition of the target
device without error then email addresses associated with address book 1
entries shall be presented in a useable format.
SPT-CA-12 If a cellular forensic tool completes acquisition of the target
device without error then graphics associated with address book entries 1
shall be presented in a useable format.
SPT-CA-13 If a cellular forensic tool completes acquisition of the target
device without error then datebook, calendar, note entries shall be
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 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
duration of the call for call logs shall be presented in a useable format.

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.	ļ	
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	1	
text messages shall be presented in a useable format.	ļ	
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.	ļ	
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	
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.	1	
SPT-CA-24 If a cellular forensic tool completes acquisition of the target		
device without error then stand-alone audio files shall be presented in a		
useable format via either an internal application or suggested third-party	1	
application.		
SPT-CA-25 If a cellular forensic tool completes acquisition of the target		
device without error then stand-alone graphic files shall be presented in		
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		
useable format via either an internal application or suggested third-party	1	
application.		
SPT-CA-27 If a cellular forensic tool completes acquisition of the target		
device without error then device specific application related data shall		
	1	
be acquired and presented in a useable format via either an internal	ļ	
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.	<del>                                     </del>	
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	2	

Assertions Tested	Tests	Anomaly
All" individual device data objects then the tool shall complete the		
acquisition of all individually selected data objects without error.		
SPT-CA-31 If a cellular forensic tool provides the user with the ability		
to "Select Individual" device data objects for acquisition then the tool	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	3.2
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	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 a	1	
useable format.		
SPT-AO-12 If a cellular forensic tool completes acquisition of the target		
SIM without error then Last Numbers Dialed (LND) shall be presented	1	
in a useable format.		
SPT-AO-13 If a cellular forensic tool completes acquisition of the target	1	
SIM without error then the corresponding date/time stamps for LNDs	*	

Assertions Tested	Tests	Anomaly
shall be presented in a useable format.		
SPT-AO-14 If a cellular forensic tool completes acquisition of the target		
SIM without error then ASCII SMS text messages shall be presented in	1	
a useable format.		
SPT-AO-15 If a cellular forensic tool completes acquisition of the target		
SIM without error then ASCII EMS text messages shall be presented in	1	
a useable format.		
SPT-AO-16 If a cellular forensic tool completes acquisition of the target		
SIM without error then the corresponding date/time stamps for all text	1	
messages shall be presented in a useable format.		
SPT-AO-17 If a cellular forensic tool completes acquisition of the target		
SIM without error then the corresponding status (i.e., read, unread) for	1	
text messages shall be presented in a useable format.		
SPT-AO-18 If a cellular forensic tool completes acquisition of the target		
SIM without error then the corresponding sender / recipient phone	1	
numbers for text messages shall be presented in a useable format.		
SPT-AO-19 If the cellular forensic tool completes acquisition of the		
target SIM without error then deleted text messages that have not been	1	
overwritten shall be presented in a useable format.		
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	
The state of the s	<u> </u>	L

Assertions Tested	Tests	Anomaly
before acquisition.		
SPT-AO-29 If a cellular forensic tool provides the examiner with the		
remaining number of authentication attempts then the application should	1	
provide an accurate count of the remaining PIN attempts.		
SPT-AO-30 If a cellular forensic tool provides the examiner with the		
remaining number of PUK attempts then the application should provide	1	
an accurate count of the remaining PUK attempts.		
SPT-AO-31 If the cellular forensic tool supports a physical acquisition		
of the target device then the tool shall complete the acquisition without	1	
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	1	
report recoverable active and deleted data or address book data remnants	1	
in a useable format.		
SPT-AO-33 If the cellular forensic tool supports the interpretation of		
calendar, tasks, or notes present on the target device then the tool shall	1	
report recoverable active and deleted calendar, tasks, or note data	1	
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	1	
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	1	
recoverable active and deleted SMS messages or SMS message data	1	
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	1	
remnants in a useable format.		
SPT-AO-37 If the cellular forensic tool supports the interpretation of		
audio files present on the target device then the tool shall report		
recoverable active and deleted audio data or audio file data remnants in	1	
a useable format.		
SPT-AO-38 If the cellular forensic tool supports the interpretation of		
graphic files present on the target device then the tool shall report		
recoverable active and deleted graphic file data or graphic file data	1	
remnants in a useable format.		
SPT-AO-39 If the cellular forensic tool supports the interpretation of		
video files present on the target device then the tool shall report		
recoverable active and deleted video file data or video file data remnants	1	
in a useable format.		
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII		
characters then the application should present ADNs in their native	2	
format.	_	
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Assertions Tested	Tests	Anomaly
SPT-AO-41 If the cellular forensic tool supports proper display of non-		
ASCII characters then the application should present text messages in	2	
their native format.		
SPT-AO-43 If the cellular forensic tool supports hashing for individual		
data objects then the tool shall present the user with a hash value for	2	
each supported data object.		

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

Assertions Tested	Tests	Anomaly
SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target	1	
device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).		
SPT-CA-02 If a cellular forensic tool attempts to connect to a		
nonsupported device then the tool shall notify the user that the device is	1	
not supported.		
SPT-CA-03 If connectivity between the mobile device and cellular		
forensic tool is disrupted then the tool shall notify the user that	1	
connectivity has been disrupted.		
SPT-CA-04 If a cellular forensic tool completes acquisition of the target		
device without error then the tool shall have the ability to present	2	
acquired data objects in a useable format via either a preview pane or	2	
generated report.		
SPT-CA-24 If a cellular forensic tool completes acquisition of the target		
device without error then stand-alone audio files shall be presented in a	1	
useable format via either an internal application or suggested third-party	1	
application.		
SPT-CA-25 If a cellular forensic tool completes acquisition of the target		
device without error then stand-alone graphic files shall be presented in	1	
a useable format via either an internal application or suggested third-	1	
party application.		
SPT-CA-26 If a cellular forensic tool completes acquisition of the target		
device without error then stand-alone video files shall be presented in a	1	
useable format via either an internal application or suggested third-party	1	
application.		
SPT-CA-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	1	
acquisitions of the target device without error then the payload (data	1	

Assertions Tested	Tests	Anomaly
objects) on the mobile device shall remain consistent.		
SPT-AO-01 If a cellular forensic tool provides support for connectivity		
of the target SIM then the tool shall successfully recognize the target	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	3.2
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		
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.	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	
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	1	
useable format.	_	
SPT-AO-12 If a cellular forensic tool completes acquisition of the target		
SIM without error then Last Numbers Dialed (LND) shall be presented	1	
in a useable format.	_	
SPT-AO-13 If a cellular forensic tool completes acquisition of the target		
SIM without error then the corresponding date/time stamps for LNDs	1	
shall be presented in a useable format.	1	
SPT-AO-14 If a cellular forensic tool completes acquisition of the target		
SIM without error then ASCII SMS text messages shall be presented in	1	
a useable format.	1	
SPT-AO-15 If a cellular forensic tool completes acquisition of the target		
SIM without error then ASCII EMS text messages shall be presented in	1	
a useable format.	1	
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Assertions Tested	Tests	Anomaly
SPT-AO-16 If a cellular forensic tool completes acquisition of the target		
SIM without error then the corresponding date/time stamps for all text	1	
messages shall be presented in a useable format.		
SPT-AO-17 If a cellular forensic tool completes acquisition of the target		
SIM without error then the corresponding status (i.e., read, unread) for	1	
text messages shall be presented in a useable format.		
SPT-AO-18 If a cellular forensic tool completes acquisition of the target		
SIM without error then the corresponding sender / recipient phone	1	
numbers for text messages shall be presented in a useable format.		
SPT-AO-19 If the cellular forensic tool completes acquisition of the		
target SIM without error then deleted text messages that have not been	1	
overwritten shall be presented in a useable format.		
SPT-AO-20 If a cellular forensic tool completes acquisition of the target		
SIM without error then location related data (i.e., LOCI) shall be	1	
presented in a useable format.		
SPT-AO-21 If a cellular forensic tool completes acquisition of the target		
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 should	1	
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.	-	
an account of the femaling 1 of the member.	<u> </u>	

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

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

Assertions Tested. (Nokia 0550)	Tests	Anomaly
SPT-CA-01 If a cellular forensic tool provides support for connectivity		
of the target device then the tool shall successfully recognize the target	1	
device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).		
SPT-CA-02 If a cellular forensic tool attempts to connect to a		
nonsupported device then the tool shall notify the user that the device is	1	
not supported.		
SPT-CA-03 If connectivity between the mobile device and cellular		
forensic tool is disrupted then the tool shall notify the user that	1	
connectivity has been disrupted.		
SPT-CA-04 If a cellular forensic tool completes acquisition of the target		
device without error then the tool shall have the ability to present		
acquired data objects in a useable format via either a preview pane or	2	
generated report.		
SPT-CA-05 If a cellular forensic tool completes acquisition of the target		
device without error then subscriber-related information shall be	1	
presented in a useable format.		
SPT-CA-06 If a cellular forensic tool completes acquisition of the target		
device without error then equipment related information shall be	1	
presented in a useable format.		
SPT-CA-07 If a cellular forensic tool completes acquisition of the target		
device without error then address book entries shall be presented in a	1	
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	1	
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	1	
device without error then email addresses associated with address book	1	

Assertions Tested	Tests	Anomaly
entries shall be presented in a useable format.		
SPT-CA-12 If a cellular forensic tool completes acquisition of the target		
device without error then graphics associated with address book entries	1	
shall be presented in a useable format.		
SPT-CA-13 If a cellular forensic tool completes acquisition of the target		
device without error then datebook, calendar, note entries shall be	1	
presented in a useable format.		
SPT-CA-14 If a cellular forensic tool completes acquisition of the target		
device without error then maximum length datebook, calendar, note	1	
entries shall be presented in a useable format.		
SPT-CA-15 If a cellular forensic tool completes acquisition of the target		
device without error then call logs (incoming/outgoing/missed) shall be	1	
presented in a useable format.		
SPT-CA-16 If a cellular forensic tool completes acquisition of the target		
device without error then the corresponding date/time stamps and the	1	
duration of the call for call logs shall be presented in a useable format.		
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) for	1	
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	
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	1	
useable format via either an internal application or suggested third-party	1	
application.		
SPT-CA-25 If a cellular forensic tool completes acquisition of the target		
device without error then stand-alone graphic files shall be presented in	1	
a useable format via either an internal application or suggested third-	1	
party application.		

Assertions Tested	Tests	Anomaly
SPT-CA-26 If a cellular forensic tool completes acquisition of the target		
device without error then stand-alone video files shall be presented in a	1	
useable format via either an internal application or suggested third-party	1	
application.		
SPT-CA-27 If a cellular forensic tool completes acquisition of the target		
device without error then device specific application related data shall	4	
be acquired and presented in a useable format via either an internal	1	
application or suggested third-party application.		
SPT-CA-29 If a cellular forensic tool provides the user with an		
"Acquire All" device data objects acquisition option then the tool shall	2	
complete the acquisition of all data objects without error.	_	
SPT-CA-30 If a cellular forensic tool provides the user with a "Select		
All" individual device data objects then the tool shall complete the	2	
acquisition of all individually selected data objects without error.		
SPT-CA-31 If a cellular forensic tool provides the user with the ability		
to "Select Individual" device data objects for acquisition then the tool	2	
shall acquire each exclusive data object without error.		
SPT-CA-32 If a cellular forensic tool completes two consecutive logical		
acquisitions of the target device without error then the payload (data	1	
	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		
reader, smart 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	1	
supported.		
SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM	1	2.2
reader then the tool shall notify the user that connectivity has been	1	3.2
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		
SIM without error then the ICCID shall be presented in a useable	1	
format.		
SPT-AO-06 If a cellular forensic tool completes acquisition of the target	1	
SIM without error then the IMSI shall be presented in a useable format.		
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	1	
SIM without error then maximum length ADNs shall be presented in a	1	

Assertions Tested	Tests	Anomaly
useable format.		
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing special characters shall be presented in a useable format.	1	
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing blank names shall be presented in a useable format.	1	
SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error then Last Numbers Dialed (LND) shall be presented in a useable format.	1	
SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.	1	
SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII SMS text messages shall be presented in a useable format.	1	
SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII EMS text messages shall be presented in a useable format.	1	
SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for all text messages shall be presented in a useable format.	1	
SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.	1	
SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.	1	
SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error then deleted text messages that have not been overwritten shall be presented in a useable format.	1	
SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., LOCI) shall be presented in a useable format.	1	
SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., GRPSLOCI) shall be presented in a useable format.	1	
SPT-AO-22 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects acquisition option then the tool shall complete the acquisition of all data objects without error.	1	
SPT-AO-23 If a cellular forensic tool provides the user with an "Select All" individual SIM data objects then the tool shall complete the acquisition of all individually selected data objects without error.	1	
SPT-AO-24 If a cellular forensic tool provides the user with the ability to "Select Individual" SIM data objects for acquisition then the tool	1	

Assertions Tested	Tests	Anomaly
shall acquire each exclusive data object without error.		
SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM		
without error then the tool shall present the acquired data in a useable	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 should	1	
provide an accurate count of the remaining PIN attempts.		
SPT-AO-30 If a cellular forensic tool provides the examiner with the		
remaining number of PUK attempts then the application should provide	1	
an accurate count of the remaining PUK attempts.		
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII		
characters then the application should present ADNs in their native	2	
format.		
SPT-AO-41 If the cellular forensic tool supports proper display of non-		
ASCII characters then the application should present text messages in	2	
their native format.		
SPT-AO-43 If the cellular forensic tool supports hashing for individual		
data objects then the tool shall present the user with a hash value for	2	
each supported data object.		

#### **Table 3e: Assertions Tested: (Motorola Tundra)**

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

Assertions Tested	Tests	Anomaly
to "Select Individual" device data objects for acquisition then the tool		
shall acquire each exclusive data object without error.		
SPT-CA-32 If a cellular forensic tool completes two consecutive logical		
acquisitions of the target device without error then the payload (data	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	3.2
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	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 a	1	
useable format.		
SPT-AO-12 If a cellular forensic tool completes acquisition of the target		
SIM without error then Last Numbers Dialed (LND) shall be presented	1	
in a useable format.		
SPT-AO-13 If a cellular forensic tool completes acquisition of the target		
SIM without error then the corresponding date/time stamps for LNDs	1	
shall be presented in a useable format.		
SPT-AO-14 If a cellular forensic tool completes acquisition of the target	1	
SIM without error then ASCII SMS text messages shall be presented in	1	

Assertions Tested	Tests	Anomaly
a useable format.		
SPT-AO-15 If a cellular forensic tool completes acquisition of the target		
SIM without error then ASCII EMS text messages shall be presented in	1	
a useable format.		
SPT-AO-16 If a cellular forensic tool completes acquisition of the target		
SIM without error then the corresponding date/time stamps for all text	1	
messages shall be presented in a useable format.	_	
SPT-AO-17 If a cellular forensic tool completes acquisition of the target		
SIM without error then the corresponding status (i.e., read, unread) for	1	
text messages shall be presented in a useable format.		
SPT-AO-18 If a cellular forensic tool completes acquisition of the target		
SIM without error then the corresponding sender / recipient phone	1	
numbers for text messages shall be presented in a useable format.	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	
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.	1	
1		
SPT-AO-21 If a cellular forensic tool completes acquisition of the target	1	
SIM without error then location related data (i.e., GRPSLOCI) shall be	1	
presented in a useable format.		
SPT-AO-22 If a cellular forensic tool provides the user with an	1	
"Acquire All" SIM data objects acquisition option then the tool shall	1	
complete the acquisition of all data objects without error.	<u> </u>	
SPT-AO-23 If a cellular forensic tool provides the user with an "Select	4	
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.		
SPT-AO-27 If the case file or individual data objects are modified via		
third-party means then the tool shall provide protection mechanisms	1	
disallowing or reporting data modification.		
SPT-AO-28 If the SIM is password-protected then the cellular forensic		
tool shall provide the examiner with the opportunity to input the PIN	1	
before acquisition.		
SPT-AO-29 If a cellular forensic tool provides the examiner with the	1	
remaining number of authentication attempts then the application should	1	

Assertions Tested	Tests	Anomaly
provide an accurate count of the remaining PIN attempts.		
SPT-AO-30 If a cellular forensic tool provides the examiner with the	1	
remaining number of PUK attempts then the application should provide an accurate count of the remaining PUK attempts.	1	
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII		
characters then the application should present ADNs in their native	1	
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: (HTC Tilt2)**

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

Assertions Tested	Tests	Anomaly
device without error then address book entries containing blank names		
shall be presented in a useable format.		
SPT-CA-11 If a cellular forensic tool completes acquisition of the target		
device without error then email addresses associated with address book	1	
entries shall be presented in a useable format.		
SPT-CA-12 If a cellular forensic tool completes acquisition of the target		
device without error then graphics associated with address book entries	1	
shall be presented in a useable format.		
SPT-CA-13 If a cellular forensic tool completes acquisition of the target		
device without error then datebook, calendar, note entries shall be	1	
presented in a useable format.		
SPT-CA-14 If a cellular forensic tool completes acquisition of the target		
device without error then maximum length datebook, calendar, note	1	
entries shall be presented in a useable format.		
SPT-CA-15 If a cellular forensic tool completes acquisition of the target		
device without error then call logs (incoming/outgoing/missed) shall be	1	
presented in a useable format.		
SPT-CA-16 If a cellular forensic tool completes acquisition of the target		
device without error then the corresponding date/time stamps and the	1	
duration of the call for call logs shall be presented in a useable format.	_	
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) for	1	
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	
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.	1	
SPT-CA-23 If a cellular forensic tool completes acquisition of the target		
device without error then MMS messages and associated video shall be	1	
presented in a useable format.	1	
SPT-CA-24 If a cellular forensic tool completes acquisition of the target		
device without error then stand-alone audio files shall be presented in a		
useable format via either an internal application or suggested third-party	1	
application.		
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SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application.  SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.  SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error then device specific application related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.  SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.  SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error.  SPT-CA-30 If a cellular forensic tool provides the user with 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 without error.  SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error.  SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).  SPT-AO-03 If a cellular forensic tool completes acquisition of the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone i	Assertions Tested	Tests	Anomaly
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SPT-AO-06 If a cellular forensic tool completes acquisition of the target	_		
		1	
		1	

Assertions Tested	Tests	Anomaly
SPT-AO-07 If a cellular forensic tool completes acquisition of the target		
SIM without error then the MSISDN shall be presented in a useable	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 a	1	
useable format.		
SPT-AO-12 If a cellular forensic tool completes acquisition of the target		
SIM without error then Last Numbers Dialed (LND) shall be presented	1	
in a useable format.	_	
SPT-AO-13 If a cellular forensic tool completes acquisition of the target		
SIM without error then the corresponding date/time stamps for LNDs	1	
shall be presented in a useable format.	1	
SPT-AO-14 If a cellular forensic tool completes acquisition of the target		
SIM without error then ASCII SMS text messages shall be presented in	1	
a useable format.	1	
SPT-AO-15 If a cellular forensic tool completes acquisition of the target		
SIM without error then ASCII EMS text messages shall be presented in	1	
a useable format.	1	
SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for all text	1	
	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	1	
SIM without error then the corresponding sender / recipient phone	1	
numbers for text messages shall be presented in a useable format.		
SPT-AO-19 If the cellular forensic tool completes acquisition of the		
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.		

Assertions Tested	Tests	Anomaly
SPT-AO-22 If a cellular forensic tool provides the user with an		· ·
"Acquire All" SIM data objects acquisition option then the tool shall	1	
complete the acquisition of all data objects without error.		
SPT-AO-23 If a cellular forensic tool provides the user with an "Select		
All" individual SIM data objects then the tool shall complete the	1	
acquisition of all individually selected data objects without error.		
SPT-AO-24 If a cellular forensic tool provides the user with the ability		
to "Select Individual" SIM data objects for acquisition then the tool	1	
shall acquire each exclusive data object without error.		
SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM		
without error then the tool shall present the acquired data in a useable	2	
format via supported generated report formats.		
SPT-AO-26 If a cellular forensic tool completes acquisition of the SIM		
without error then the tool shall present the acquired data in a useable	2	
format in a preview pane 'view.	-	
SPT-AO-27 If the case file or individual data objects are modified via		
third-party means then the tool shall provide protection mechanisms	2	
disallowing or reporting data modification.		
SPT-AO-28 If the SIM is password-protected then the cellular forensic		
tool shall provide the examiner with the opportunity to input the PIN	1	
before acquisition.	1	
SPT-AO-29 If a cellular forensic tool provides the examiner with the		
remaining number of authentication attempts then the application should	1	
provide an accurate count of the remaining PIN attempts.	1	
SPT-AO-30 If a cellular forensic tool provides the examiner with the		
remaining number of PUK attempts then the application should provide	1	
an accurate count of the remaining PUK attempts.	1	
SPT-AO-31 If the cellular forensic tool supports a physical acquisition		
of the target device then the tool shall complete the acquisition without	1	
error.	1	
SPT-AO-32 If the cellular forensic tool supports the interpretation of		
address book entries present on the target device then the tool shall		
report recoverable active and deleted data or address book data remnants	1	
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	1	
remnants in a useable format.		
SPT-AO-34 If the cellular forensic tool supports the interpretation of		
call logs present on the target device then the tool shall report	1	
recoverable active and deleted call or call log data remnants in a useable		
format.		
SPT-AO-35 If the cellular forensic tool supports the interpretation of	1	
SMS messages present on the target device then the tool shall report	1	
recoverable active and deleted SMS messages or SMS message data		

Assertions Tested	Tests	Anomaly
remnants in a useable format.		
SPT-AO-36 If the cellular forensic tool supports the interpretation of		
EMS messages present on the target device then the tool shall report	1	
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	1	
recoverable active and deleted audio data or audio file data remnants in	1	
a useable format.		
SPT-AO-38 If the cellular forensic tool supports the interpretation of		
graphic files present on the target device then the tool shall report	1	
recoverable active and deleted graphic file data or graphic file data	1	
remnants in a useable format.		
SPT-AO-39 If the cellular forensic tool supports the interpretation of		
video files present on the target device then the tool shall report	1	
recoverable active and deleted video file data or video file data remnants	1	
in a useable format.		
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII		
characters then the application should present 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		
data objects then the tool shall present the user with a hash value for	2	
each supported data object.		

#### Table 30. Assertions Tested: (iPhone4 CDMA)

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

Assertions Tested	Tests	Anomaly
SPT-CA-06 If a cellular forensic tool completes acquisition of the target		
device without error then equipment related information shall be	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 be	1	
presented in a useable format.		
SPT-CA-09 If a cellular forensic tool completes acquisition of the target		
device without error then address book entries containing special	1	
characters shall be presented in a useable format.		
SPT-CA-10 If a cellular forensic tool completes acquisition of the target		
device without error then address book entries containing blank names	1	
shall be presented in a useable format.		
SPT-CA-11 If a cellular forensic tool completes acquisition of the target		
device without error then email addresses associated with address book	1	
entries shall be presented in a useable format.	-	
SPT-CA-12 If a cellular forensic tool completes acquisition of the target		
device without error then graphics associated with address book entries	1	
shall be presented in a useable format.	1	
SPT-CA-13 If a cellular forensic tool completes acquisition of the target		
device without error then datebook, calendar, note entries shall be	1	
presented in a useable format.	1	
SPT-CA-14 If a cellular forensic tool completes acquisition of the target		
device without error then maximum length datebook, calendar, note	1	
entries shall be presented in a useable format.	1	
SPT-CA-15 If a cellular forensic tool completes acquisition of the target	1	
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	1	
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	4	
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) for	1	
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.		

Assertions Tested	Tests	Anomaly
SPT-CA-21 If a cellular forensic tool completes acquisition of the target		
device without error then MMS messages and associated audio shall be	1	
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	
_ = -		
application.		
SPT-CA-25 If a cellular forensic tool completes acquisition of the target		
device without error then stand-alone graphic files shall be presented in	1	
a useable format via either an internal application or suggested third-		
party application.		
SPT-CA-26 If a cellular forensic tool completes acquisition of the target		
device without error then stand-alone video files shall be presented in a	1	
useable format via either an internal application or suggested third-party	1	
application.		
SPT-CA-27 If a cellular forensic tool completes acquisition of the target		
device without error then device specific application related data shall	1	
be acquired and presented in a useable format via either an internal	1	
application or suggested third-party application.		
SPT-CA-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.	2	
SPT-CA-30 If a cellular forensic tool provides the user with a "Select		
All" individual device data objects then the tool shall complete the	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	1	

Assertions Tested	Tests	Anomaly
device without error then the tool shall present the acquired data in a		
useable format in a preview pane 'view.		
SPT-AO-27 If the case file or individual data objects are modified via		
third-party means then the tool shall provide protection mechanisms	1	
disallowing or reporting data modification.		
SPT-AO-31 If the cellular forensic tool supports a physical acquisition		
of the target device then the tool shall complete the acquisition without	1	
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	1	2.2
report recoverable active and deleted data or address book data remnants	1	3.3
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	4	2.2
report recoverable active and deleted calendar, tasks, or note data	1	3.3
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	1	
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	1	
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	1	
remnants in a useable format.		
SPT-AO-37 If the cellular forensic tool supports the interpretation of		
audio files present on the target device then the tool shall report	4	
recoverable active and deleted audio data or audio file data remnants in	1	
a useable format.		
SPT-AO-38 If the cellular forensic tool supports the interpretation of		
graphic files present on the target device then the tool shall report	4	
recoverable active and deleted graphic file data or graphic file data	1	
remnants in a useable format.		
SPT-AO-39 If the cellular forensic tool supports the interpretation of		
video files present on the target device then the tool shall report	4	
recoverable active and deleted video file data or video file data remnants	1	
in a useable format.		
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII		
characters then the application should present address book entries in	1	
their native format.		
SPT-AO-41 If the cellular forensic tool supports proper display of non-	1	
ASCII characters then the application should present text messages in	1	

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

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

Assertions Tested	Tests	Anomaly
SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target	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 not supported.	1	
SPT-CA-03 If connectivity between the mobile device and cellular		
forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted.	1	
SPT-CA-04 If a cellular forensic tool completes acquisition of the target		
device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.	2	
SPT-CA-05 If a cellular forensic tool completes acquisition of the target		
device without error then subscriber-related information shall be presented in a useable format.	1	
SPT-CA-06 If a cellular forensic tool completes acquisition of the target		
device without error then equipment related information shall be presented in a useable format.	1	
SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error then address book entries shall be presented in a useable format.	1	
SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error then maximum length address book entries shall be presented in a useable format.	1	
SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing special characters shall be presented in a useable format.	1	
SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing blank names shall be presented in a useable format.	1	
SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error then email addresses associated with address book entries shall be presented in a useable format.	1	
SPT-CA-12 If a cellular forensic tool completes acquisition of the target	1	

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 graphic files shall be presented in a useable format.  SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error then stand-alone addio files shall be presented in a useable format via either an internal application or su	Assertions Tested	Tests	Anomaly
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	device without error then stand-alone video files shall be presented in a	1	

Assertions Tested	Tests	Anomaly
useable format via either an internal application or suggested third-party		
application.		
SPT-CA-27 If a cellular forensic tool completes acquisition of the target		
device without error then device specific application related data shall	1	
be acquired and presented in a useable format via either an internal	1	
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	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	
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.	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.	1	
SPT-AO-43 If the cellular forensic tool supports hashing for individual		
data objects then the tool shall present the user with a hash value for	1	
each supported data object.	1	
SPT-AO-44 If the cellular forensic tool supports acquisition of GPS		
data then the tool shall present the user with the longitude and latitude	1	
coordinates for all GPS-related data in a useable format.	1	
coordinates for all Of 3-terated data III a diseable format.		

- Table 4a-4h list the assertions that were not tested, usually due to the tool not supporting an optional feature.
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#### 145 Table 4a: Assertions Not Tested (iPhone4 GSM)

#### **Assertions Not Tested**

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

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

#### **Assertions Not Tested**

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

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

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

#### **Assertions Not Tested**

SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error then subscriber-related information shall be presented in a useable format.

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

SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error then address book entries shall be presented in a useable format.

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

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

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

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

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

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

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

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useable format.

- SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error then call logs (incoming/outgoing/missed) shall be presented in a useable format.
- SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.
- SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format.
- SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps for text messages shall be presented in a useable format.
- SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.
- SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
- SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated audio shall be presented in a useable format.
- SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated graphic files shall be presented in a useable format.
- SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated video shall be presented in a useable format.
- SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error then device specific application related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.
- SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.
- SPT-AO-31 If the cellular forensic tool supports a physical acquisition of the target device then the tool shall complete the acquisition without error.
- SPT-AO-32 If the cellular forensic tool supports the interpretation of address book entries present on the target device then the tool shall report recoverable active and deleted data or address book data remnants in a useable format.
- SPT-AO-33 If the cellular forensic tool supports the interpretation of calendar, tasks, or notes present on the target device then the tool shall report recoverable active and deleted calendar, tasks, or note data remnants in a useable format.
- SPT-AO-34 If the cellular forensic tool supports the interpretation of call logs present on the target device then the tool shall report recoverable active and deleted call or call log data remnants in a useable format.
- SPT-AO-35 If the cellular forensic tool supports the interpretation of SMS messages present on the target device then the tool shall report recoverable active and deleted SMS messages or SMS message data remnants in a useable format.
- SPT-AO-36 If the cellular forensic tool supports the interpretation of EMS messages

present on the target device then the tool shall report recoverable active and deleted EMS messages or EMS message data remnants in a useable format.

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

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

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

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

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

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

#### **Assertions Not Tested**

SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.

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

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

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

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

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

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

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

SPT-AO-38 If the cellular forensic tool supports the interpretation of graphic files present

on the target device then the tool shall report recoverable active and deleted graphic file data or graphic file data remnants in a useable format.

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

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

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

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

#### **Assertions Not Tested**

SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device then the tool shall notify the user that the device is not supported.

SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted.

SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error then subscriber-related information shall be presented in a useable format.

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

SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error then address book entries shall be presented in a useable format.

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

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

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

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

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

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

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

SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without

- error then call logs (incoming/outgoing/missed) shall be presented in a useable format.
- SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.
- SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format.
- SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps for text messages shall be presented in a useable format.
- SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.
- SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
- SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated audio shall be presented in a useable format.
- SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated graphic files shall be presented in a useable format.
- SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated video shall be presented in a useable format.
- SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application.
- SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application.
- SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.
- SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error then device specific application related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.
- SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.
- SPT-AO-31 If the cellular forensic tool supports a physical acquisition of the target device then the tool shall complete the acquisition without error.
- SPT-AO-32 If the cellular forensic tool supports the interpretation of address book entries present on the target device then the tool shall report recoverable active and deleted data or address book data remnants in a useable format.
- SPT-AO-33 If the cellular forensic tool supports the interpretation of calendar, tasks, or notes present on the target device then the tool shall report recoverable active and deleted calendar, tasks, or note data remnants in a useable format.

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

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

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

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

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

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

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

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

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

#### **Assertions Not Tested**

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

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

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

#### **Assertions Not Tested**

SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).

SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM then the tool shall notify the user that the SIM is not supported.

SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader then the tool shall notify the user that connectivity has been disrupted.

SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without

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error then the SPN shall be presented in a useable format.

SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error then the ICCID shall be presented in a useable format.

SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error then the IMSI shall be presented in a useable format.

SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error then the MSISDN shall be presented in a useable format.

SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format.

SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error then maximum length ADNs shall be presented in a useable format.

SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing special characters shall be presented in a useable format.

SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing blank names shall be presented in a useable format.

SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error then Last Numbers Dialed (LND) shall be presented in a useable format.

SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.

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

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

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

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

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

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

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

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

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

SPT-AO-23 If a cellular forensic tool provides the user with a "Select All" individual

SIM data objects then the tool shall complete the acquisition of all individually selected data objects without error.

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

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

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

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

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

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

#### **Assertions Not Tested**

SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).

SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM then the tool shall notify the user that the SIM is not supported.

SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader then the tool shall notify the user that connectivity has been disrupted.

SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error then the SPN shall be presented in a useable format.

SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error then the ICCID shall be presented in a useable format.

SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error then the IMSI shall be presented in a useable format.

SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error then the MSISDN shall be presented in a useable format.

SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format.

SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error then maximum length ADNs shall be presented in a useable format.

SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing special characters shall be presented in a useable format.

SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing blank names shall be presented in a useable format.

SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without

error then Last Numbers Dialed (LND) shall be presented in a useable format.

SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

SPT-AO-32 If the cellular forensic tool supports the interpretation of address book entries present on the target device then the tool shall report recoverable active and deleted data

or address book data remnants in a useable format.

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

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

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

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

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

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

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

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

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

# 3.1 Device connectivity

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

## 3.2 Notification of device acquisition disruption

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

### 3.3 Physical Acquisition

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

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## 179 4 Testing Environment

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

## 4.1 Test Computers

- One computer was used to run the tool: **Morrisy**.
- 185 **Morrisy** has the following configuration:

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- 187 Intel® D975XBX2 Motherboard
- 188 BIOS Version BX97520J.86A.2674.2007.0315.1546
- 189 Intel® Core<sup>TM</sup>2 Duo CPU 6700 @ 2.66Ghz
- 190 3.25 GB RAM
- 191 1.44 MB floppy drive
- 192 LITE-ON CD H LH52N1P
- 193 LITE-ON DVDRW LH-20A1P
- 2 slots for removable SATA hard disk drive
- 195 8 USB 2.0 slots
- 196 2 IEEE 1394 ports
- 197 3 IEEE 1394 ports (mini)

#### 198 **4.2 Mobile Devices**

199 The following table lists the mobile devices used.

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#### **Table 4.2 Mobile Devices**

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

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### 4.3 Internal memory data objects

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

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Table 4.3 Internal memory data objects

Data Objects	Data Elements
Address Book Entries	
Address Dook Elittles	Dagular Langth
	Regular Length
	Maximum Length
	Special Character
	Blank Name
	Regular Length, email
	Regular Length, graphic
	Deleted Entry
	Non-ASCII Entry
PIM Data	
	Regular Length
	Maximum Length
	Deleted Entry
	Special Character
Call Logs	
	Incoming
	Outgoing
	Missed
	Incoming - Deleted
	Outgoing - Deleted
	Missed - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Outgoing SMS
	Incoming EMS - Read
	Incoming EMS - Unread
	Outgoing EMS
	Incoming SMS - Deleted
	Outgoing SMS - Deleted
	Incoming EMS - Deleted
	Outgoing EMS - Deleted
	Non-ASCII EMS
MMS Messages	
	Incoming Audio
	Incoming Graphic
	Incoming Video

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

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#### 4.4 Subscriber Identity Module data objects

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

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#### Table 4.4 Subscriber Identity Module data objects

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

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#### 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.

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#### **Table 5 Test Results Report Key**

Heading	Description
First Line:	Test case ID, name, and version of tool tested.
Case Summary:	Test case summary from Smart Phone Tool Test Assertion
	and Test Plan.
Assertions:	The test assertions applicable to the test case, selected from
	Smart Phone Tool Test Assertion and Test Plan.
Tester Name:	Name or initials of person executing test procedure.
Test Host:	Host computer executing the test.
Test Date:	Time and date that test was started.
Device:	Source mobile device, SIM.
Source Setup:	Acquisition interface.
Log Highlights:	Information extracted from various log files to illustrate
	conformance or non-conformance to the test assertions.
Results:	Expected and actual results for each assertion tested.
Analysis:	Whether or not the expected results were achieved.

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#### 5.2 Test Details

The test results are presented in this section.

### 229 **5.2.1 SPT-01 (iPhone4 GSM)**

Test Case SPT	-01 XRY v6.3.1		
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 Case SPT	-01 XRY v6.3.1	
Test Host:	Morrisy	
Test Date:	Tue Jun 19 08:06:27 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 08:06:27 EDT 2012	
	Acquisition finished: Tue Jun 19 08:11:11 EDT 2012  Device connectivity was established via supported interface	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-01 Device connectivity via supported interfaces.	as expected
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
	SPT-CA-29 Acquire-All data objects acquisition.	as expected
	SPT-CA-30 Select-All data objects acquisition.	as expected
	SPT-CA-31 Select-Individual data objects acquisition.	as expected
	SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.	as expected
Analysis:	Expected results achieved	

### 231 **5.2.2 SPT-02 (iPhone4 GSM)**

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

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### 233 **5.2.3 SPT-03 (iPhone4 GSM)**

Test Case SPT-03 XRY v6.3.1			
Case	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.		

Test Case SPT	-03 XRY v6.3.1		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Tue Jun 19 09:16:19 EDT 2012		
Device:	iPhone4_GSM		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Tue Jun 19 09:16:19 EDT 2012		
	Acquisition finished: Tue Jun 19 09:19:02 EDT 2012		
	Device acquisition disruption notification was successful		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-03 Notification of device acquisition disruption.	as expected	
71	Boundaries and consider and consider		
Analysis:	Expected results achieved		

### 235 **5.2.4 SPT-04 (iPhone4 GSM)**

Test Case SPT	-04 XRY v6.3.1		
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 Jun 19 08:18:21 EDT 2012		
Device:	iPhone4_GSM		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Tue Jun 19 08:18:21 EDT 2012		
	Acquisition finished: Tue Jun 19 08:20:24 EDT 2012		
	Readability and completeness of acquired data was successful		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-04 Readability and completeness of acquired data	as expected	
	via supported reports.		
Analysis:	Expected results achieved		

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# 237 **5.2.5 SPT-05 (iPhone4 GSM)**

Test Case SPT-05 XRY v6.3.1			
Case	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.		

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Test Case SPT-05 XRY v6.3.1			
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Tue Jun 19 08:21:17 EDT 2012		
Device:	iPhone4_GSM		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Tue Jun 19 08:21:17 EDT 2012		
	Acquisition finished: Tue Jun 19 08:32:44 EDT 2012		
	Subscriber and Equipment related data (i.e., MSISDN, IMEI) were acquired		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-05 Acquisition of MSISDN, IMSI.	as expected	
	SPT-CA-06 Acquisition of IMEI/MEID/ESN.	as expected	
		•	
Analysis:	Expected results achieved		

### 239 **5.2.6 SPT-06 (iPhone4 GSM)**

Test Case SPT	-06 XRY v6.3.1	
Case	SPT-06 Acquire mobile device internal memory and review reported PIM	
Summary:	related data.	
Assertions:		
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 19 08:33:17 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jun 19 08:33:17 EDT 2012	
	Acquisition finished: Tue Jun 19 08:36:38 EDT 2012	
	All address book entries were successfully acquired ALL PIM related data was acquired	
Results:		

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

### **5.2.7 SPT-07 (iPhone4 GSM)**

Test Case SPT	-07 XRY v6.3.1	
Case Summary:	SPT-07 Acquire mobile device internal memory and revi	ew reported call logs.
Assertions:	SPT-CA-15 If a cellular forensic tool completes acqui device without error then call logs (incoming/outgoing presented in a useable format.  SPT-CA-16 If a cellular forensic tool completes acqui device without error then the corresponding date/time duration of the call for call logs shall be presented	g/missed) shall be sition of the target stamps and the
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 19 08:37:45 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jun 19 08:37:45 EDT 2012 Acquisition finished: Tue Jun 19 08:40:50 EDT 2012	
	All Call Logs (incoming, outgoing, missed) were acquirable 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	

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### **5.2.8 SPT-08 (iPhone4 GSM)**

Test Case SPT-08 XRY v6.3.1	
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

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Test Case SPT	-08 XRY v6.3.1	
	messages shall be presented in a useable format.  SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.  SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 19 08:41:35 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 08:41:35 EDT 2012 Acquisition finished: Tue Jun 19 08:48:38 EDT 2012  ALL text messages (SMS, EMS) were acquired Correct date/time stamps were reported for all text messages Correct status flags were reported for all text messages Sender and Recipient phone numbers associated with text messages were correctly reported	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-17 Acquisition of text messages.	as expected
	SPT-CA-18 Acquisition of text message date/time stamps.	as expected
	SPT-CA-19 Acquisition of text message status flags.	as expected
	SPT-CA-20 Acquisition of sender/recipient phone number associated with text messages.	as expected
	abbotated with text messages.	1
Analysis:	Expected results achieved	

### 245 **5.2.9 SPT-09 (iPhone4 GSM)**

Test Case SPT	-09 XRY v6.3.1	
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 Jun 19 08:49:12 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jun 19 08:49:12 EDT 2012	
	Acquisition finished: Tue Jun 19 08:56:07 EDT 2012	
	ALL MMS messages (Audio, Image, Video) were acquired	
Results:		

1000 case bil	-09 XRY v6.3.1 Assertion & Expected Result	Actual Result
	SPT-CA-21 Acquisition of audio MMS messages.	as expected
	SPT-CA-22 Acquisition of graphic data image MMS messages.	as expected
	SPT-CA-23 Acquisition of video MMS messages.	as expected
Analysis:	Expected results achieved	

### 247 **5.2.10 SPT-10 (iPhone4 GSM)**

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

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### 249 **5.2.11 SPT-11 (iPhone4 GSM)**

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

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

### 251 **5.2.12 SPT-12 (iPhone4 GSM)**

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

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# 253 **5.2.13 SPT-13 (iPhone4 GSM)**

Test Case SPT	-13 XRY v6.3.1
Case	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.

Test Case SPT	-13 XRY v6.3.1	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 19 09:22:25 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jun 19 09:22:25 EDT 2012	
	Acquisition finished: Tue Jun 19 09:23:58 EDT 2012	
	Acquire All acquisition was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-29 Acquire-All data objects acquisition.	as expected
	SPT-CA-30 Select-All data objects acquisition.	as expected
	SPT-CA-31 Select-Individual data objects acquisition.	as expected
Analysis:	Expected results achieved	

### 255 **5.2.14 SPT-14 (iPhone4 GSM)**

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

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### 257 **5.2.15 SPT-15 (iPhone4 GSM)**

Test Case SPT-15 XRY v6.3.1			
Case	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:	Tue Jun 19 09:46:10 EDT 2012		

Test Case SPT-	-15 XRY v6.3.1		
Device:	iPhone4_GSM		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Tue Jun 19 09:46:10 EDT 2012		
	Acquisition finished: Tue Jun 19 09:48:16 EDT 2012		
	Identification of nonsupported media was successful		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-02 Identification of nonsupported SIMs.	as expected	
Analysis:	Expected results achieved		

### 259 **5.2.16 SPT-16 (iPhone4 GSM)**

Test Case SPT	-16 XRY v6.3.1		
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:	Tue Jun 19 09:49:39 EDT 2012		
Device:	iPhone4_GSM		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Tue Jun 19 09:49:39 EDT 2012		
	Acquisition finished: Tue Jun 19 09:57:01 EDT 2012		
	Media acquisition disruption notification was not succe	ssful	
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-03 Notification of SIM acquisition disruption.	Not as expected	
Analysis:	Expected results not achieved		

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### 261 **5.2.17 SPT-17 (iPhone4 GSM)**

Test Case SPT	-17 XRY v6.3.1
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:	Tue Jun 19 09:58:35 EDT 2012
Device:	iPhone4_GSM

Test Case SPT-	-17 XRY v6.3.1		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Tue Jun 19 09	:58:35 EDT 2012	
	Acquisition finished: Tue Jun 19 10:00:24 EDT 2012		
Results:	All subscriber-related data (i.e.,	SPN, ICCID, IMS	I, MSISDN) was acquired
	Assertion & Expected Result	Actual Result	
	SPT-A0-04 Acquisition of SPN.	as expected	
	SPT-AO-05 Acquisition of ICCID.	as expected	
	SPT-A0-06 Acquisition of IMSI.	as expected	
	SPT-A0-07 Acquisition of MSISDN.	as expected	
Analysis:	Expected results achieved		

# 263 **5.2.18 SPT-18 (iPhone4 GSM)**

Test Case SPT-	-18 XRY v6.3.1		
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 Host:	Morrisy		
Test Date:	Tue Jun 19 10:01:01 EDT 2012		
Device:	iPhone4_GSM		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 10:01:01 EDT 2012 Acquisition finished: Tue Jun 19 10:03:18 EDT 2012 All ADNs were acquired		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-08 Acquisition of ADNs.	as expected	
	SPT-AO-09 Acquisition of maximum length ADNs.	as expected	
	SPT-AO-10 Acquisition of special character ADNs.	as expected	
	SPT-AO-11 Acquisition of blank name ADNs.	as expected	
Analysis:	Expected results achieved		

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### 5.2.19 SPT-19 (iPhone4 GSM)

Test Case SPT-19 XRY v6.3.1

Test Case SPT	-19 XRY v6.3.1		
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 SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Tue Jun 19 10:05:00 EDT 2012		
Device:	iPhone4_GSM		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Tue Jun 19 10:05:00 EDT 201		
	Acquisition finished: Tue Jun 19 10:07:21 EDT 2012		
	LNDs were acquired		
	Date/Time Stamps correctly reported for LNDs		
	batte, lime beamps collectly reported for mass		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-12 Acquisition of LNDs.	as expected	
	SPT-AO-13 Acquisition of LND date/time stamps.	as expected	
Analysis:	Expected results achieved		

### **5.2.20 SPT-20 (iPhone4 GSM)**

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

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Test Case SP1	r-20 XRY v6.3.1	
	correctly reported	
Results:		
	Assertion & Expected Result	Actual
		Result
	SPT-AO-14 Acquisition of SMS messages.	as expected
	SPT-AO-15 Acquisition of EMS messages.	as expected
	SPT-AO-16 Acquisition of text message date/time stamps.	as expected
	SPT-A0-17 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	

### 270 **5.2.21 SPT-21 (iPhone4 GSM)**

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

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### 272 **5.2.22 SPT-22 (iPhone4 GSM)**

Test Case SPT-	-22 XRY v6.3.1	
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:	Tue Jun 19 10:17:19 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	

Test Case SPT	-22 XRY v6.3.1		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Tue Jun 19 10:17:19 EDT 201		
	Acquisition finished: Tue Jun 19 10:19:45 EDT 2012		
	LOCI data was acquired		
	GPRSLOCI data was acquired		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-20 Acquisition of LOCI information.	as expected	
	SPT-AO-21 Acquisition of GPRSLOCI information.	as expected	
Analysis:	Expected results achieved		

# **5.2.23 SPT-23 (iPhone4 GSM)**

Test Case SPT	-23 XRY v6.3.1		
Case	SPT-23 Acquire SIM memory by selecting a combination of supported data		
Summary:	elements.		
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).  SPT-AO-22 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects acquisition option then the tool shall complete the acquisition of all data objects without error.  SPT-AO-23 If a cellular forensic tool provides the user with an "Select All" individual SIM data objects then the tool shall complete the acquisition of all individually selected data objects without error.  SPT-AO-24 If a cellular forensic tool provides the user with the ability to "Select Individual" SIM data objects for acquisition then the tool shall acquire each exclusive data object without error.		
Tester	rpa		
Name:			
Test Host:	Morrisy		
Test Date:	Tue Jun 19 10:20:16 EDT 2012		
Device:	iPhone4_GSM		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Tue Jun 19 10:20:16 EDT 2012		
	Acquisition finished: Tue Jun 19 10:26:35 EDT 2012		
	Acquire All acquisition was successful		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-01 SIM connectivity via supported interfaces.	as expected	
	SPT-AO-22 Acquire-All data objects acquisition.	as expected	
	SPT-AO-23 Select-All data objects acquisition.	as expected	
	SPT-AO-24 Select-Individual data objects acquisition.	as expected	
Analysis:	Expected results achieved		
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### 5.2.24 SPT-24 (iPhone4 GSM)

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

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Test Case SPT	-24 XRY v6.3.1	
Summary:	supported generated report formats.	
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format via supported generated report formats.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 19 10:27:14 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 10:27:14 EDT 2012 Acquisition finished: Tue Jun 19 10:33:23 EDT 2012 Complete representation of known data via generated reports	was successful
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-25 Comparison of known device data elements via generated reports.	as expected
2		
Analysis:	Expected results achieved	

### **5.2.25 SPT-25 (iPhone4 GSM)**

Test Case SPT	-25 XRY v6.3.1		
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 Jun 19 10:34:02 EDT 2012		
Device:	iPhone4_GSM		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 10:34:02 EDT 2012 Acquisition finished: Tue Jun 19 10:35:36 EDT 2012 Complete representation of known data via was successful		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-26 Comparison of known device data elements via preview-pane.	as expected	
Analysis:	Expected results achieved		

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### **5.2.26 SPT-26 (iPhone4 GSM)**

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

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Test Case SPT	-26 XRY v6.3.1	
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:	Tue Jun 19 10:36:55 EDT 2012	
Device:	iPhone4_GSM	
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 10:36:55 EDT 2012 Acquisition finished: Tue Jun 19 10:40:45 EDT 2012 Complete representation of known data via generated reports	was successful
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-25 Comparison of known device data elements via generated reports.	as expected
Analysis:	Expected results achieved	

### **5.2.27 SPT-27 (iPhone4 GSM)**

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

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### **5.2.28 SPT-28 (iPhone4 GSM)**

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Test Case SPT-	-28 XRY v6.3.1
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

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

### 289 **5.2.29 SPT-29 (iPhone4 GSM)**

Test Case SPT	-29 XRY v6.3.1		
Case	SPT-29 After a successful mobile device internal memory, alter the case		
Summary:	file via third-party means and attempt to re-open the case.		
Assertions:	SPT-AO-27 If the case file or individual data objects	are modified via	
	third-party means then the tool shall provide protection	on mechanisms	
	disallowing or reporting data modification.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Tue Jun 19 13:43:38 EDT 2012		
Device:	iPhone4_GSM		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Tue Jun 19 13:43:38 EDT 2012		
	Acquisition finished: Tue Jun 19 13:48:56 EDT 2012		
	Notification of modified device memory data was succes	sful	
- 1. ·			
Results:	Describes & Research & Research	3-41 B14	
	Assertion & Expected Result	Actual Result	
	SPT-AO-27 Notification of modified device case data.	as expected	
71	The sector of the second to th		
Analysis:	Expected results achieved		

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### 291 **5.2.30 SPT-30 (iPhone4 GSM)**

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

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Test Case SPT	-30 XRY v6.3.1	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 13:43:57 EDT 2012 Acquisition finished: Tue Jun 19 13:49:23 EDT 2012 Notification of modified SIM data was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-27 Notification of modified device case data.	as expected
Analysis:	Expected results achieved	

### 293 **5.2.31 SPT-31 (iPhone4 GSM)**

Test Case SPT	-31 XRY v6.3.1	
Case Summary:	SPT-31 Perform a physical acquisition and review data output for readability.	
Assertions:	SPT-AO-31 If the cellular forensic tool supports a physical acquisition of the target device then the tool shall complete the acquisition without error.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 20 13:14:22 EDT 2012	
Device:	iPhone4_GSM	
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 20 13:14:22 EDT 2012 Acquisition finished: Wed Jun 20 13:35:49 EDT 2012 Physical Acquisition: readability and completeness was successful	
Results:	Assertion & Expected Result  SPT-AO-31 Physical acquisition, data is presented in a useable format.	Actual Result as expected
Analysis:	Expected results achieved	

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### 295 **5.2.32 SPT-32 (iPhone4 GSM)**

Test Case SPT	-32 XRY v6.3.1
Case	SPT-32 Perform a physical acquisition and review reports for recoverable
Summary:	deleted data.
Assertions:	SPT-AO-32 If the cellular forensic tool supports the interpretation of address book entries present on the target device then the tool shall report recoverable active and deleted data or address book data remnants in a useable format.  SPT-AO-33 If the cellular forensic tool supports the interpretation of calendar, tasks, or notes present on the target device then the tool shall report recoverable active and deleted calendar, tasks, or note data remnants in a useable format.  SPT-AO-34 If the cellular forensic tool supports the interpretation of call logs present on the target device then the tool shall report recoverable active and deleted call or call log data remnants in a useable format.  SPT-AO-35 If the cellular forensic tool supports the interpretation of SMS

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Test Case SPI	7-32 XRY v6.3.1	
	messages present on the target device then the tool shall re	port
1	recoverable active and deleted SMS messages or SMS message d	
	a useable format.	
	SPT-AO-36 If the cellular forensic tool supports the interpr	etation of EMS
	messages present on the target device then the tool shall re	
	recoverable active and deleted EMS messages or EMS message d	_
	a useable format.	aca remianes in
	SPT-A0-37 If the cellular forensic tool supports the interpr	etation of
	audio files present on the target device then the tool shall	
	recoverable active and deleted audio data or audio file data	_
	useable format.	remidired in a
	SPT-A0-38 If the cellular forensic tool supports the interpr	etation of
	graphic files present on the target device then the tool sha	
	recoverable active and deleted graphic file data or graphic	_
	remnants in a useable format.	1110 000
	SPT-A0-39 If the cellular forensic tool supports the interpr	etation of
	video files present on the target device then the tool shall	
	recoverable active and deleted video file data or video file	_
	in a useable format.	data reministres
	III a abcable formac.	
Tester	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Fri Jun 22 12:57:14 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
secup.	Interface. Cable	
T a a:	Charted by VDVC 2 1	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Fri Jun 22 12:57:14 EDT 2012	
	Acquisition finished: Fri Jun 22 13:13:43 EDT 2012	
	Deleted address beek entries were not reserved	
	Deleted address book entries were not recovered	
	Deleted PIM data was partially recovered Deleted Call log data was recovered	
	Deleted text message data was recovered	
	Deleted audio data was not recovered - NA	
	Deleted graphic data was not recovered - NA Deleted video data was not recovered - NA	
	Defeted video data was not recovered - NA	
	Water. Deleted relended entries were not demanted	
	Notes: Deleted calendar entries were not reported.	
- 1. ·		
Results:		
	Assertion & Expected Result	Actual
		Result
	SPT-AO-32 Physical acquisition, recovery of deleted	Not as
	address book entries.	expected
	SPT-AO-33 Physical acquisition, recovery of deleted PIM	Partial
1	data.	
1	SPT-AO-34 Physical acquisition, recovery of deleted call	as expected
1	logs.	
	SPT-AO-35 Physical acquisition, recovery of deleted SMS	as expected
1	messages.	
1	SPT-AO-36 Physical acquisition, recovery of deleted EMS	as expected
1	messages.	
1	SPT-AO-37 Physical acquisition, recovery of deleted stand-	as expected
1	alone audio files.	
1	SPT-AO-38 Physical acquisition, recovery of deleted	as expected
1	graphic files.	=
1	SPT-AO-39 Physical acquisition, recovery of deleted video	as expected
1	files.	=
1		
1		
7 7	Partial results partially achieved	
Analysis:		

# 296 **5.2.33 SPT-33 (iPhone4 GSM)**

Test	Case	SPT-33	XRY	v6.3.1

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

### 298 **5.2.34 SPT-34 (iPhone4 GSM)**

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

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

### 300 **5.2.35 SPT-35 (iPhone4 GSM)**

Test Case SPT	-35 XRY v6.3.1		
Case Summary:	SPT-35 Begin acquisition on a PIN protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.		
Assertions:	SPT-AO-29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts then the application should provide an accurate count of the remaining PIN attempts.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Wed Jun 20 07:20:04 EDT 2012		
Device:	iPhone4_GSM		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Wed Jun 20 07:20:04 EDT 2012		
	Acquisition finished: Wed Jun 20 07:31:23 EDT 2012		
	The remaining number of PIN attempts were properly di	splayed	
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-29 Display remaining number of PIN attempts.	as expected	
Analysis:	Expected results achieved		

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### 302 **5.2.36 SPT-36 (iPhone4 GSM)**

Test Case SPT	-36 XRY v6.3.1		
Case	SPT-36 Begin acquisition on a SIM whose PIN attempts have been exhausted to		
Summary:	determine if the tool provides an accurate count of the remaining number of		
	PUK attempts and if the PUK attempts are decremented	when entering an	
	incorrect value.		
Assertions:	SPT-AO-30 If a cellular forensic tool provides the ex		
	remaining number of PUK attempts then the application	should provide an	
	accurate count of the remaining PUK attempts.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Wed Jun 20 07:20:23 EDT 2012		
Device:	iPhone4_GSM		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Wed Jun 20 07:20:23 EDT 2012		
	Acquisition finished: Wed Jun 20 07:31:42 EDT 2012		
		_	
	Remaining number of PUK attempts were properly displa	yed	
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-30 Display remaining number of PUK attempts.	as expected	
Analysis:	Expected results achieved		
	1 -		

### 303 **5.2.37 SPT-38 (iPhone4 GSM)**

Test Case SPT	-38 XRY v6.3.1	
Case	SPT-38 Acquire mobile device internal memory and review has	h values for
Summary:	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 har each supported data object.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 19 14:15:57 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 14:15:57 EDT 2012 Acquisition finished: Tue Jun 19 14:17:13 EDT 2012  Hash values were properly reported for individually acquired device data elements	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-43 Acquire data, check known hash values for consistency.	as expected
Analysis:	Expected results achieved	

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### 305 **5.2.38 SPT-39 (iPhone4 GSM)**

Test Case SPT	-39 XRY v6.3.1		
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:	Tue Jun 19 14:16:19 EDT 2012		
Device:	iPhone4_GSM		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 14:16:19 EDT 2012 Acquisition finished: Tue Jun 19 14:17:23 EDT 2012 Hash values were properly reported for individually acquired SIM data elements		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-43 Acquire data, check known hash values for consistency.	as expected	
Analysis:	Expected results achieved		

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### 307 **5.2.39 SPT-40 (iPhone4 GSM)**

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

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### 309 **5.2.40 SPT-01 (BlackBerry Torch)**

	7-01 XRY v6.3.1
Case	SPT-01 Acquire mobile device internal memory over tool-supported interfaces
Summary: Assertions:	(e.g., cable, Bluetooth, IrDA).  SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).  SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.  SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error.  SPT-CA-30 If a cellular forensic tool provides the user with a "Select All" individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error.  SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object without error.  SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.
Tester	rpa
Name:	
Test Host:	Morrisy
Test Date:	Tue Jul 10 07:36:53 EDT 2012
Device:	BlackBerry_Torch
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by XRY v6.3.1
Highlights:	Acquisition started: Tue Jul 10 07:36:53 EDT 2012
	Acquisition finished: Tue Jul 10 07:39:23 EDT 2012
	Device connectivity was established via supported interface

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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
	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

### 311 **5.2.41 SPT-02 (BlackBerry Torch)**

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

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### 313 **5.2.42 SPT-03 (BlackBerry Torch)**

Test Case SPT	-03 XRY v6.3.1	
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 Jul 10 07:44:30 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jul 10 07:44:30 EDT 2012 Acquisition finished: Tue Jul 10 07:46:23 EDT 2012	

Test Case SPT-	-03 XRY v6.3.1	
	Device acquisition disruption notification was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-03 Notification of device acquisition disruption.	as expected
Analysis:	Expected results achieved	

### 315 **5.2.43 SPT-04 (BlackBerry Torch)**

Test Case SPT	-04 XRY v6.3.1	
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 Jul 10 07:47:01 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jul 10 07:47:01 EDT 2012	
	Acquisition finished: Tue Jul 10 07:51:13 EDT 2012	
	Readability and completeness of acquired data was successful	
Results:		
	Assertion & Expected Result	Actual
		Result
	SPT-CA-04 Readability and completeness of acquired data	as expected
	via supported reports.	
Analysis:	Expected results achieved	

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# 317 **5.2.44 SPT-05 (BlackBerry Torch)**

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

Test Case SPT	-05 XRY v6.3.1	
	Subscriber and Equipment related data (i.e	e., MSISDN, IMEI) were acquired
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-05 Acquisition of MSISDN, IMSI.	as expected
	SPT-CA-06 Acquisition of IMEI/MEID/ESN.	as expected
Analysis:	Expected results achieved	

### 319 **5.2.45 SPT-06 (BlackBerry Torch)**

	-06 XRY v6.3.1		
Case	SPT-06 Acquire mobile device internal memory and review repor	ted DIM	
Summary:	related data.		
Assertions:	SPT-CA-07 If a cellular forensic tool completes acquisition o	f the target	
110001010110	device without error then address book entries shall be prese	_	
	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 o	f the target	
	device without error then email addresses associated with add		
	entries shall be presented in a useable format.	2000 2001	
	SPT-CA-12 If a cellular forensic tool completes acquisition o	f the target	
	device without error then graphics associated with address bo		
	shall be presented in a useable format.		
	SPT-CA-13 If a cellular forensic tool completes acquisition o		
	device without error then datebook, calendar, note entries sh	all be	
	presented in a useable format.		
	SPT-CA-14 If a cellular forensic tool completes acquisition o		
	device without error then maximum length datebook, calendar,	note entries	
	shall be presented in a useable format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Tue Jul 10 08:22:22 EDT 2012		
Device:	BlackBerry_Torch		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Tue Jul 10 08:22:22 EDT 2012		
	Acquisition finished: Tue Jul 10 08:25:35 EDT 2012		
	733 - 44 1		
	All address book entries were successfully acquired ALL PIM related data was acquired		
	ALL PIM related data was acquired		
Results:			
	Assertion & Expected Result	Actual	
		Result	
	SPT-CA-07 Acquisition of address book entries.	as expected	
	SPT-CA-08 Acquisition of maximum length address book	as expected	
	entries.		
	SPT-CA-09 Acquisition of address book entries containing	as expected	
	special characters.		
	SPT-CA-10 Acquisition of address book entries containing a	as expected	
	blank name entry.		
	SPT-CA-11 Acquisition of embedded email addresses within	as expected	
	address book entries.		
	SPT-CA-12 Acquisition of embedded graphics within address	as expected	

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

### 321 **5.2.46 SPT-07 (BlackBerry Torch)**

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Test Case SPT	-07 XRY v6.3.1	
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:	Tue Jul 10 08:26:37 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 08:26:37 EDT 2012 Acquisition finished: Tue Jul 10 08:29:23 EDT 2012 All Call Logs (incoming, outgoing, missed) were 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	

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### 323 **5.2.47 SPT-08 (BlackBerry Torch)**

Test Case SPT	-08 XRY v6.3.1
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:	Tue Jul 10 08:30:21 EDT 2012
Device:	BlackBerry_Torch
Source	OS: WIN XP v5.1.2600

Test Case SPI	T-08 XRY v6.3.1	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 08:30:21 EDT 2012 Acquisition finished: Tue Jul 10 08:33:37 EDT 2012  ALL text messages (SMS, EMS) were acquired Correct date/time stamps were reported for all text messages Correct status flags were reported for all text messages Sender and Recipient phone numbers associated with text messages were correctly reported	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-17 Acquisition of text messages.	as expected
	SPT-CA-18 Acquisition of text message date/time stamps.	as expected
	SPT-CA-19 Acquisition of text message status flags.	as expected
	SPT-CA-20 Acquisition of sender/recipient phone number associated with text messages.	as expected
Analysis:	Expected results achieved	

# 325 **5.2.48 SPT-09 (BlackBerry Torch)**

mark Gara GDE	00 MDV arc 2 1	
	-09 XRY v6.3.1	
Case	SPT-09 Acquire mobile device internal memory and review rep	orted 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 graph	ic files shall
	be presented in a useable format.	
	SPT-CA-23 If a cellular forensic tool completes acquisition	of the target
	device without error then MMS messages and associated video	shall be
	presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jul 10 08:34:05 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jul 10 08:34:05 EDT 2012	
	Acquisition finished: Tue Jul 10 08:37:21 EDT 2012	
	ALL MMS messages (Audio, Image, Video) were acquired	
Results:		
	Assertion & Expected Result	Actual
		Result
	SPT-CA-21 Acquisition of audio MMS messages.	as expected
	SPT-CA-22 Acquisition of graphic data image MMS	as expected
	messages.	_
	SPT-CA-23 Acquisition of video MMS messages.	as expected
Analysis:	Expected results achieved	

# **5.2.49 SPT-10 (BlackBerry Torch)**

Test Case SPT	-10 XRY v6.3.1	
Case	SPT-10 Acquire mobile device internal memory and revi	ew reported stand-
Summary:	alone multi-media data (i.e., audio, graphics, video).	
Assertions:	SPT-CA-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	700	
Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jul 10 08:38:07 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
beedp.	intellace. capie	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jul 10 08:38:07 EDT 2012	
3 3	Acquisition finished: Tue Jul 10 08:43:31 EDT 2012	
	ALL stand-alone data files (Audio, Image, Video) were	acquired
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-24 Acquisition of stand-alone audio files.	as expected
	SPT-CA-25 Acquisition of stand-alone graphic files.	as expected
	SPT-CA-26 Acquisition of stand-alone video files.	as expected
	*	
Analysis:	Expected results achieved	

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### **5.2.50 SPT-11 (BlackBerry Torch)**

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

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

### 331 **5.2.51 SPT-12 (BlackBerry Torch)**

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Test Case SPT	-12 XRY v6.3.1	
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 Jul 10 08:48:48 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jul 10 08:48:48 EDT 2012	
	Acquisition finished: Tue Jul 10 08:51:09 EDT 2012	
	All Internet related data was acquired	
Results:		
	Assertion & Expected Result Actual Result	
	SPT-CA-28 Acquisition of Internet related data. as expected	
Analysis:	Expected results achieved	

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# 333 **5.2.52 SPT-13 (BlackBerry Torch)**

Test Case SPT	-13 XRY v6.3.1
Case	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 Jul 10 08:51:39 EDT 2012
Device:	BlackBerry_Torch
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 08:51:39 EDT 2012 Acquisition finished: Tue Jul 10 09:10:07 EDT 2012 Acquire All acquisition was successful
Results:	

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

### 335 **5.2.53 SPT-14 (BlackBerry Torch)**

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 the target SIM then the tool shall successfully recogn via all tool-supported interfaces (e.g., PC/SC reader, smart phone itself).	ize the target SIM
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jul 10 09:13:46 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jul 10 09:13:46 EDT 2012	
	Acquisition finished: Tue Jul 10 09:15:41 EDT 2012	
	Media connectivity was established via supported inter	face
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-01 SIM connectivity via supported interfaces.	as expected
Analysis:	Expected results achieved	

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### 337 **5.2.54 SPT-15 (BlackBerry Torch)**

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

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

### 339 **5.2.55 SPT-16 (BlackBerry Torch)**

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

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# 341 **5.2.56 SPT-17 (BlackBerry Torch)**

	-17 XRY v6.3.1		
Case	SPT-17 Acquire SIM memory and review reported subscriber and equipment		
Summary:	related information (i.e., SPN, ICCID, IMSI, MSISDN).		
Assertions:	SIM without error then the SPN sha SPT-AO-05 If a cellular forensic t SIM without error then the ICCID s SPT-AO-06 If a cellular forensic t SIM without error then the IMSI sh SPT-AO-07 If a cellular forensic t	ool completes acquisition of the target 11 be presented in a useable format. ool completes acquisition of the target hall be presented in a useable format. ool completes acquisition of the target all be presented in a useable format. ool completes acquisition of the target shall be presented in a useable format.	
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Tue Jul 10 09:54:29 EDT 2012		
Device:	BlackBerry_Torch		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Tue Jul 10 09	:54:29 EDT 2012	
	Acquisition finished: Tue Jul 10 10:00:46 EDT 2012		
All subscriber-related data (i.e., SPN, ICCID, IMSI, MSISDN) w			
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-04 Acquisition of SPN.	as expected	
	SPT-AO-05 Acquisition of ICCID.	as expected	
	SPT-AO-06 Acquisition of IMSI.	as expected	

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

# 343 **5.2.57 SPT-18 (BlackBerry Torch)**

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

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### 345 **5.2.58 SPT-19 (BlackBerry Torch)**

Test Case SPT-19 XRY v6.3.1		
Case	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 SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jul 10 10:07:12 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	

Test Case SPT-19 XRY v6.3.1			
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Tue Jul 10 10:07:12 EDT 2012		
	Acquisition finished: Tue Jul 10 10:09:10 EDT 2012		
	LNDs were acquired Date/Time Stamps correctly reported for LNDs		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-12 Acquisition of LNDs.	as expected	
	SPT-AO-13 Acquisition of LND date/time stamps.	as expected	
Analysis:	Expected results achieved		

# 347 **5.2.59 SPT-20 (BlackBerry Torch)**

Test Case SPT	Test Case SPT-20 XRY v6.3.1			
Case Summary:	SPT-20 Acquire SIM memory and review reported text messages (S			
Assertions:	SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII SMS text messages shall be presented in a useable format.			
	SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII EMS text messages shall be presented in a useable format.			
	SPT-AO-16 If a cellular forensic tool completes acquisition of SIM without error then the corresponding date/time stamps for messages shall be presented in a useable format.	_		
	SPT-AO-17 If a cellular forensic tool completes acquisition of 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 SIM without error then the corresponding sender / recipient properties of the corresponding sender format.	-		
	for text messages shall be presented in a useable format.			
Tester Name:	rpa			
Test Host:	Morrisy			
Test Date:	Tue Jul 10 10:09:47 EDT 2012			
Device:	BlackBerry_Torch			
Source	OS: WIN XP v5.1.2600			
Setup:	Interface: USB			
Log	Created by XRY v6.3.1			
Highlights:	Acquisition started: Tue Jul 10 10:09:47 EDT 2012			
	Acquisition finished: Tue Jul 10 10:12:02 EDT 2012			
	ALL text messages (SMS, EMS) were acquired			
	All date/time stamps were reported for text messages			
	Correct status flags were reported for text messages			
	Sender and Recipient phone numbers associated with text message correctly reported	ges were		
Results:		,		
	Assertion & Expected Result	Actual Result		
	SPT-AO-14 Acquisition of SMS messages.	as expected		
	SPT-AO-15 Acquisition of EMS messages.	as expected		
	SPT-AO-16 Acquisition of text message date/time stamps.	as expected		
	SPT-AO-17 Acquisition of text message status flags.	as expected		
	SPT-AO-18 Acquisition of sender/recipient phone number	as expected		
	associated with text messages.			
Analysis:	Expected results achieved			

# 348 **5.2.60 SPT-21 (BlackBerry Torch)**

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

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### 350 **5.2.61 SPT-22 (BlackBerry Torch)**

Test Case SPT	-22 XRY v6.3.1		
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:	Tue Jul 10 10:16:09 EDT 2012		
Device:	BlackBerry_Torch		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 10:16:09 EDT 2012 Acquisition finished: Tue Jul 10 10:18:28 EDT 2012  LOCI data was acquired GPRSLOCI data was acquired		
Results:	Assertion & Expected Result Actual Result		
	SPT-AO-20 Acquisition of LOCI information.	as expected	
	SPT-AO-21 Acquisition of GPRSLOCI information.	as expected	
Analysis:	Expected results achieved		

# 352 **5.2.62 SPT-23 (BlackBerry Torch)**

Test Case SPT-23 XRY v6.3.1			
Case	SPT-23 Acquire SIM memory by selecting a combination of	supported data	
Summary:	elements.		
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).  SPT-AO-22 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects acquisition option then the tool shall complete the acquisition of all data objects without error.  SPT-AO-23 If a cellular forensic tool provides the user with an "Select All" individual SIM data objects then the tool shall complete the acquisition of all individually selected data objects without error.  SPT-AO-24 If a cellular forensic tool provides the user with the ability to "Select Individual" SIM data objects for acquisition then the tool shall acquire each exclusive data object without error.		
Tester	rpa		
Name:	1pa		
Test Host:	Morrisy		
Test Date:	Tue Jul 10 10:18:51 EDT 2012		
	BlackBerry Torch		
Device:	OS: WIN XP v5.1.2600		
Source	Interface: USB		
Setup:	Interface: USB		
Loq	Created by XRY v6.3.1		
Highlights:	Acquisition started: Tue Jul 10 10:18:51 EDT 2012		
5 5	Acquisition finished: Tue Jul 10 10:21:38 EDT 2012		
	Acquire All acquisition was successful		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-01 SIM connectivity via supported interfaces.	as expected	
	SPT-AO-22 Acquire-All data objects acquisition.	as expected	
	SPT-AO-23 Select-All data objects acquisition.	as expected	
	SPT-AO-24 Select-Individual data objects acquisition.	-	
	SPT-AO-24 Select-Individual data objects acquisition. as expected		
Analysis:	Expected results achieved		
unallars.	Expected results actiteved		

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# 354 **5.2.63 SPT-24 (BlackBerry Torch)**

Test Case SPT	-24 XRY v6.3.1		
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 Jul 10 10:22:13 EDT 2012		
Device:	BlackBerry_Torch		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Tue Jul 10 10:22:13 EDT 2012		
	Acquisition finished: Tue Jul 10 10:27:22 EDT 2012		
	Complete representation of known data via generated reports was successful		
Results:			

Test Case SPT-24 XRY v6.3.1		
	Assertion & Expected Result	Actual Result
	SPT-A0-25 Comparison of known device data elements via generated reports.	as expected
Analysis:	Expected results achieved	

## **5.2.64 SPT-25 (BlackBerry Torch)**

Test Case SPT	-25 XRY v6.3.1	
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 Jul 10 10:22:35 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 10:22:35 EDT 2012 Acquisition finished: Tue Jul 10 10:27:31 EDT 2012  Complete representation of known data via preview pane was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-26 Comparison of known device data elements via preview-pane.	as expected
Analysis:	Expected results achieved	

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# 5.2.65 SPT-26 (BlackBerry Torch)

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

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

# 360 **5.2.66 SPT-27 (BlackBerry Torch)**

Test Case SPT	-27 XRY v6.3.1		
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:	Tue Jul 10 10:28:56 EDT 2012		
Device:	BlackBerry_Torch		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Tue Jul 10 10:28:56 EDT 2012		
Acquisition finished: Tue Jul 10 10:33:02 EDT 2012			
	Complete representation of known data via preview pane was	successful	
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-26 Comparison of known device data elements via	as expected	
	preview-pane.		
Analysis:	Expected results achieved		

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# 362 **5.2.67 SPT-28 (BlackBerry Torch)**

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

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

## **5.2.68 SPT-29 (BlackBerry Torch)**

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

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### **5.2.69 SPT-30 (BlackBerry Torch)**

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

# 369 **5.2.70 SPT-31 (BlackBerry Torch)**

Test Case SPT	-31 XRY v6.3.1	
Case Summary:	SPT-31 Perform a physical acquisition and review data outpureadability.	ıt for
Assertions:	SPT-AO-31 If the cellular forensic tool supports a physical acquisition of the target device then the tool shall complete the acquisition without error.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jul 10 10:41:19 EDT 2012	
Device:	BlackBerry_Torch	
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 10:41:19 EDT 2012 Acquisition finished: Tue Jul 10 10:43:55 EDT 2012 Physical Acquisition: readability and completeness was successful	
Results:	Assertion & Expected Result  SPT-AO-31 Physical acquisition, data is presented in a useable format.	Actual Result as expected
Analysis:	Expected results achieved	

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### **5.2.71 SPT-32 (BlackBerry Torch)**

Test Case SPT	-32 XRY v6.3.1
Case	SPT-32 Perform a physical acquisition and review reports for recoverable
Summary:	deleted data.
Assertions:	SPT-AO-32 If the cellular forensic tool supports the interpretation of address book entries present on the target device then the tool shall report recoverable active and deleted data or address book data remnants in a useable format.  SPT-AO-33 If the cellular forensic tool supports the interpretation of calendar, tasks, or notes present on the target device then the tool shall report recoverable active and deleted calendar, tasks, or note data remnants in a useable format.  SPT-AO-34 If the cellular forensic tool supports the interpretation of call logs present on the target device then the tool shall report recoverable active and deleted call or call log data remnants in a useable format.  SPT-AO-35 If the cellular forensic tool supports the interpretation of SMS messages present on the target device then the tool shall report recoverable active and deleted SMS messages or SMS message data remnants in a useable format.  SPT-AO-36 If the cellular forensic tool supports the interpretation of EMS messages present on the target device then the tool shall report recoverable active and deleted EMS messages or EMS message data remnants in a useable format.  SPT-AO-37 If the cellular forensic tool supports the interpretation of audio files present on the target device then the tool shall report recoverable active and deleted audio data or audio file data remnants in a useable format.  SPT-AO-38 If the cellular forensic tool supports the interpretation of graphic files present on the target device then the tool shall report recoverable active and deleted graphic file data or graphic file data remnants in a useable format.

Test Case SP1	C-32 XRY v6.3.1	
Tester	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Tue Jul 10 10:41:46 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jul 10 10:41:46 EDT 2012	
	Acquisition finished: Tue Jul 10 10:44:03 EDT 2012	
	Deleted address book entries were not recovered - NA	
	Deleted PIM data was recovered	
	Deleted Call log data was not recovered - NA	
	Deleted text message data was not recovered - NA Deleted audio data was recovered	
	Deleted graphic data was recovered	
	Deleted yideo data was recovered	
	Defeted video data was recovered	
Results:		
11054205	Assertion & Expected Result	Actual
		Result
	SPT-AO-32 Physical acquisition, recovery of deleted	NA
	address book entries.	
	SPT-AO-33 Physical acquisition, recovery of deleted PIM	As expected
	data.	_
	SPT-AO-34 Physical acquisition, recovery of deleted call	NA
	logs.	
	SPT-AO-35 Physical acquisition, recovery of deleted SMS	NA
	messages.	
	SPT-AO-36 Physical acquisition, recovery of deleted EMS	NA
	messages.	
	SPT-AO-37 Physical acquisition, recovery of deleted stand-	as expected
	alone audio files.	
	SPT-AO-38 Physical acquisition, recovery of deleted	as expected
	graphic files.	
	SPT-AO-39 Physical acquisition, recovery of deleted video	as expected
	files.	
Analysis:	Expected results achieved	

# **5.2.72 SPT-33 (BlackBerry Torch)**

Test Case SPT	-33 XRY v6.3.1
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 Jul 10 10:42:07 EDT 2012
Device:	BlackBerry_Torch
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by XRY v6.3.1
Highlights:	Acquisition started: Tue Jul 10 10:42:07 EDT 2012
	Acquisition finished: Tue Jul 10 10:44:12 EDT 2012  Non-ASCII Address book entries were acquired and properly displayed

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Test Case SI	PT-33 XRY v6.3.1	
	Non-ASCII text messages were acquired and properly disp	olayed
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	

## 375 **5.2.73 SPT-34 (BlackBerry Torch)**

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

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# 5.2.74 SPT-35 (BlackBerry Torch)

Test Case SPT	-35 XRY v6.3.1
Case	SPT-35 Begin acquisition on a PIN protected SIM to determine if the tool
Summary:	provides an accurate count of the remaining number of PIN attempts and if
	the PIN attempts are decremented when entering an incorrect value.
Assertions:	SPT-AO-29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts then the application should provide an accurate count of the remaining PIN attempts.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 10:48:43 EDT 2012
Device:	BlackBerry_Torch
Source	OS: WIN XP v5.1.2600
Setup:	Interface: USB

Test Case SPT	-35 XRY v6.3.1	
Log Highlights:	Created by XRY v6.3.1  Acquisition started: Tue Jul 10 10:48:43 EDT 2012 Acquisition finished: Tue Jul 10 10:51:49 EDT 2012  The remaining number of PIN attempts were properly displayed	
Results:	ts:  Assertion & Expected Result Actual Result	
	SPT-AO-29 Display remaining number of PIN attempts.	as expected
Analysis:	Expected results achieved	

# **5.2.75 SPT-36 (BlackBerry Torch)**

Test Case SPT	-36 XRY v6.3.1	
Case Summary:	SPT-36 Begin acquisition on a SIM whose PIN attempts 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 application accurate count of the remaining PUK attempts.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jul 10 10:50:00 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 10:50:00 EDT 2012 Acquisition finished: Tue Jul 10 10:51:59 EDT 2012 Remaining number of PUK attempts were properly displa	yed
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-30 Display remaining number of PUK attempts.	as expected
Analysis:	Expected results achieved	

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## **5.2.76 SPT-38 (BlackBerry Torch)**

Test Case SPT	-38 XRY v6.3.1
Case	SPT-38 Acquire mobile device internal memory and review hash values for
Summary:	vendor supported data objects.
Assertions:	SPT-A0-43 If the cellular forensic tool supports hashing for individual
	data objects then the tool shall present the user with a hash value for
	each supported data object.
	-
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 10:53:07 EDT 2012
Device:	BlackBerry_Torch
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by XRY v6.3.1
Highlights:	Acquisition started: Tue Jul 10 10:53:07 EDT 2012
	Acquisition finished: Wed Jul 11 06:35:40 EDT 2012
	Hash values were properly reported for individually acquired device data

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	elements	
Results:	Assertion & Expected Result	Actual Result
	SPT-A0-43 Acquire data, check known hash values for consistency.	as expected
Analysis:	Expected results achieved	

# 5.2.77 SPT-39 (BlackBerry Torch)

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

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## **5.2.78 SPT-01 (Samsung Focus)**

	· · · · · · · · · · · · · · · · · · ·
Test Case SPT	-01 XRY v6.3.1
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

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Test Case SPT	-01 XRY v6.3.1	
	acquisitions of the target device without error then the paylo objects) on the mobile device shall remain consistent.	oad (data
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 9 10:38:31 EDT 2012	
Device:	Samsung_Focus	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Mon Jul 9 10:38:31 EDT 2012 Acquisition finished: Mon Jul 9 10:40:07 EDT 2012	
	Device connectivity was established via supported interface	
Results:	Assertion & Expected Result	Actual
		Result
	SPT-CA-01 Device connectivity via supported interfaces.	as expected
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
	SPT-CA-29 Acquire-All data objects acquisition.	as expected
	SPT-CA-30 Select-All data objects acquisition.	as expected
	SPT-CA-31 Select-Individual data objects acquisition.	as expected
	SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.	as expected
Analysis:	Expected results achieved	

# 387 **5.2.79 SPT-02 (Samsung Focus)**

Test Case SPT	-02 XRY v6.3.1	
Case	SPT-02 Attempt internal memory acquisition of a non	supported mobile device.
Summary:		
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to c	onnect to a nonsupported
	device then the tool shall notify the user that the	device is not
	supported.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 9 10:41:45 EDT 2012	
Device:	unsupported_device	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Mon Jul 9 10:41:45 EDT 2012	
	Acquisition finished: Mon Jul 9 10:43:24 EDT 2012	
		-
	Identification of nonsupported devices was successf	ul
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-02 Identification of nonsupported devices.	as expected
		<u>.</u>
Analysis:	Expected results achieved	

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# **5.2.80 SPT-03 (Samsung Focus)**

Test Case SPT	-03 XRY v6.3.1
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 Jul 9 10:44:58 EDT 2012
Device:	Samsung_Focus
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by XRY v6.3.1
Highlights:	Acquisition started: Mon Jul 9 10:44:58 EDT 2012
	Acquisition finished: Mon Jul 9 10:45:49 EDT 2012
	Device acquisition disruption notification was successful
Results:	
	Assertion & Expected Result Actual Result
	SPT-CA-03 Notification of device acquisition disruption. as expected
Analysis:	Expected results achieved

### **5.2.81 SPT-04 (Samsung Focus)**

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

# 395 **5.2.82 SPT-10 (Samsung Focus)**

Case Summary: alone multi-media data (i.e., audio, graphics, video).  Assertions: SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application.  SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application.  SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.  Tester Name:  Test Host: Morrisy Test Date: Mon Jul 9 11:49:20 EDT 2012  Device: Samsung_Focus Source Source Source OS: WIN XP v5.1.2600 Setup: Interface: cable  Log Highlights: Acquisition started: Mon Jul 9 11:49:20 EDT 2012  Acquisition finished: Mon Jul 9 11:51:21 EDT 2012  Results:  Assertion & Expected Result SPT-CA-24 Acquisition of stand-alone audio files. as expected SPT-CA-25 Acquisition of stand-alone graphic files. as expected SPT-CA-26 Acquisition of stand-alone video files. as expected	Test Case SPT	-10 XRY v6.3.1	
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  Test Host:  Test Date: Monrisy Test Date: Mon Jul 9 11:49:20 EDT 2012  Device: Samsung_Focus Source Source Sos: WIN XP v5.1.2600 Interface: cable  Log Highlights: Acquisition started: Mon Jul 9 11:49:20 EDT 2012  Acquisition started: Mon Jul 9 11:51:21 EDT 2012  Acquisition finished: Mon Jul 9 11:51:21 EDT 2012  ALL stand-alone data files (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result  SPT-CA-25 Acquisition of stand-alone audio files. as expected  SPT-CA-25 Acquisition of stand-alone graphic files as expected	Case	SPT-10 Acquire mobile device internal memory and revi	ew reported stand-
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:  Test Host: Morrisy Test Date: Mon Jul 9 11:49:20 EDT 2012  Device: Samsung_Focus Source Source OS: WIN XP v5.1.2600 Setup: Interface: cable  Log Highlights: Acquisition started: Mon Jul 9 11:49:20 EDT 2012  Acquisition started: Mon Jul 9 11:51:21 EDT 2012  Acquisition finished: Mon Jul 9 11:51:21 EDT 2012  ALL stand-alone data files (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result SPT-CA-24 Acquisition of stand-alone audio files. as expected SPT-CA-25 Acquisition of stand-alone graphic files. as expected	Summary:	alone multi-media data (i.e., audio, graphics, video)	•
Name:  Test Host: Morrisy  Test Date: Mon Jul 9 11:49:20 EDT 2012  Device: Samsung_Focus  Source Setup: OS: WIN XP v5.1.2600  Interface: cable  Log Highlights: Acquisition started: Mon Jul 9 11:49:20 EDT 2012  Acquisition finished: Mon Jul 9 11:51:21 EDT 2012  Acquisition finished: Mon Jul 9 11:51:21 EDT 2012  ALL stand-alone data files (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result  SPT-CA-24 Acquisition of stand-alone audio files. as expected  SPT-CA-25 Acquisition of stand-alone graphic files. as expected	Assertions:	device without error then stand-alone audio files sha useable format via either an internal application or application.  SPT-CA-25 If a cellular forensic tool completes acqui device without error then stand-alone graphic files s useable format via either an internal application or application.  SPT-CA-26 If a cellular forensic tool completes acqui device without error then stand-alone video files sha useable format via either an internal application or	ll be presented in a suggested third-party sition of the target hall be presented in a suggested third-party sition of the target ll be presented in a
Name:  Test Host: Morrisy  Test Date: Mon Jul 9 11:49:20 EDT 2012  Device: Samsung_Focus  Source Setup: OS: WIN XP v5.1.2600  Interface: cable  Log Highlights: Acquisition started: Mon Jul 9 11:49:20 EDT 2012  Acquisition finished: Mon Jul 9 11:51:21 EDT 2012  Acquisition finished: Mon Jul 9 11:51:21 EDT 2012  ALL stand-alone data files (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result  SPT-CA-24 Acquisition of stand-alone audio files. as expected  SPT-CA-25 Acquisition of stand-alone graphic files. as expected	Tester	rna	
Test Date: Mon Jul 9 11:49:20 EDT 2012  Device: Samsung_Focus  Source Setup: OS: WIN XP v5.1.2600 Interface: cable  Log Highlights: Acquisition started: Mon Jul 9 11:49:20 EDT 2012 Acquisition finished: Mon Jul 9 11:51:21 EDT 2012 Acquisition finished: Mon Jul 9 11:51:21 EDT 2012  ALL stand-alone data files (Audio, Image, Video) were acquired  Results: Assertion & Expected Result SPT-CA-24 Acquisition of stand-alone audio files. as expected SPT-CA-25 Acquisition of stand-alone graphic files. as expected		Tpu	
Device: Samsung_Focus  Source OS: WIN XP v5.1.2600  Interface: cable  Log Highlights: Created by XRY v6.3.1 Acquisition started: Mon Jul 9 11:49:20 EDT 2012 Acquisition finished: Mon Jul 9 11:51:21 EDT 2012  ALL stand-alone data files (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result SPT-CA-24 Acquisition of stand-alone audio files. as expected SPT-CA-25 Acquisition of stand-alone graphic files. as expected	Test Host:		
Source Setup:  OS: WIN XP v5.1.2600 Interface: cable  Created by XRY v6.3.1 Acquisition started: Mon Jul 9 11:49:20 EDT 2012 Acquisition finished: Mon Jul 9 11:51:21 EDT 2012 ALL stand-alone data files (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result SPT-CA-24 Acquisition of stand-alone audio files. as expected SPT-CA-25 Acquisition of stand-alone graphic files. as expected	Test Date:	Mon Jul 9 11:49:20 EDT 2012	
Setup: Interface: cable  Log Highlights: Created by XRY v6.3.1 Acquisition started: Mon Jul 9 11:49:20 EDT 2012 Acquisition finished: Mon Jul 9 11:51:21 EDT 2012 ALL stand-alone data files (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result SPT-CA-24 Acquisition of stand-alone audio files. as expected SPT-CA-25 Acquisition of stand-alone graphic files. as expected	Device:		
Log Highlights:  Created by XRY v6.3.1 Acquisition started: Mon Jul 9 11:49:20 EDT 2012 Acquisition finished: Mon Jul 9 11:51:21 EDT 2012  ALL stand-alone data files (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result SPT-CA-24 Acquisition of stand-alone audio files. as expected SPT-CA-25 Acquisition of stand-alone graphic files. as expected	Source	OS: WIN XP v5.1.2600	
Highlights: Acquisition started: Mon Jul 9 11:49:20 EDT 2012 Acquisition finished: Mon Jul 9 11:51:21 EDT 2012  ALL stand-alone data files (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result SPT-CA-24 Acquisition of stand-alone audio files. as expected SPT-CA-25 Acquisition of stand-alone graphic files. as expected	Setup:	Interface: cable	
Acquisition finished: Mon Jul 9 11:51:21 EDT 2012  ALL stand-alone data files (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result SPT-CA-24 Acquisition of stand-alone audio files. as expected SPT-CA-25 Acquisition of stand-alone graphic files. as expected	Log	Created by XRY v6.3.1	
ALL stand-alone data files (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result SPT-CA-24 Acquisition of stand-alone audio files. as expected SPT-CA-25 Acquisition of stand-alone graphic files. as expected	Highlights:	Acquisition started: Mon Jul 9 11:49:20 EDT 2012	
Results:  Assertion & Expected Result SPT-CA-24 Acquisition of stand-alone audio files. as expected SPT-CA-25 Acquisition of stand-alone graphic files. as expected		Acquisition finished: Mon Jul 9 11:51:21 EDT 2012	
Assertion & Expected Result  SPT-CA-24 Acquisition of stand-alone audio files. as expected  SPT-CA-25 Acquisition of stand-alone graphic files. as expected		ALL stand-alone data files (Audio, Image, Video) were	acquired
SPT-CA-24 Acquisition of stand-alone audio files. as expected SPT-CA-25 Acquisition of stand-alone graphic files. as expected	Results:		
SPT-CA-25 Acquisition of stand-alone graphic files. as expected		<u> </u>	
		SPT-CA-24 Acquisition of stand-alone audio files.	as expected
SPT-CA-26 Acquisition of stand-alone video 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	Analysis:	Expected results achieved	

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# 5.2.83 SPT-13 (Samsung Focus)

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Test Case SPT	-13 XRY v6.3.1
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 Jul 9 11:51:44 EDT 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log	Created by XRY v6.3.1
Highlights:	Acquisition started: Mon Jul 9 11:51:44 EDT 2012
	Acquisition finished: Mon Jul 9 11:56:03 EDT 2012
	Acquire All acquisition was successful

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

# **5.2.84 SPT-14 (Samsung Focus)**

I-	· · · · · · · · · · · · · · · · · · ·
Test Case SPT	-14 XRY v6.3.1
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:	Mon Jul 9 12:03:42 EDT 2012
Device:	Samsung_Focus
Source	OS: WIN XP v5.1.2600
Setup:	Interface: USB
Log	Created by XRY v6.3.1
Highlights:	Acquisition started: Mon Jul 9 12:03:42 EDT 2012
	Acquisition finished: Mon Jul 9 12:04:49 EDT 2012
	Media connectivity was established via supported interface
Results:	
	Assertion & Expected Result Actual Result
	SPT-AO-01 SIM connectivity via supported interfaces. as expected
	A AA
Analysis:	Expected results achieved
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### **5.2.85** SPT-15 (Samsung Focus)

Test Case SPT	2-15 XRY v6.3.1	
Case	SPT-15 Attempt acquisition of a nonsupported SIM.	
Summary:		
Assertions:	SPT-AO-02 If a cellular forensic tool attempts to connect to a non- SIM then the tool shall notify the user that the SIM is not suppor-	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 9 12:06:05 EDT 2012	
Device:	Samsung_Focus	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Mon Jul 9 12:06:05 EDT 2012	
	Acquisition finished: Mon Jul 9 12:08:00 EDT 2012	
	Identification of nonsupported media was successful	
Results:		
1	Assertion & Expected Result Actual Result	

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

## 403 **5.2.86 SPT-16 (Samsung Focus)**

Test Case SPT	-16 XRY v6.3.1		
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:	Tue Jul 10 09:48:00 EDT 2012		
Device:	BlackBerry_Torch		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Tue Jul 10 09:48:00 EDT 2012		
	Acquisition finished: Mon Jul 10 09:50:15 EDT 2012		
	Media acquisition disruption notification was not succe	ssful	
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-03 Notification of SIM acquisition disruption.	Not as expected	
Analysis:	Expected results not achieved		

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## 405 **5.2.87 SPT-17 (Samsung Focus)**

Test Case SPT-	17 XRY v6.3.1
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 Jul 9 12:15:28 EDT 2012
Device:	Samsung_Focus
Source	OS: WIN XP v5.1.2600
Setup:	Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 12:15:28 EDT 2012 Acquisition finished: Mon Jul 9 12:19:34 EDT 2012 All subscriber-related data (i.e., SPN, ICCID, IMSI, MSISDN) was acquired
Results:	
	Assertion & Expected Result Actual Result
	SPT-AO-04 Acquisition of SPN. as expected

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

## 407 **5.2.88 SPT-18 (Samsung Focus)**

Test Case SPT	-18 XRY v6.3.1		
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.		
The set of a Nicola A			
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Mon Jul 9 12:25:13 EDT 2012		
Device:	Samsung_Focus		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Mon Jul 9 12:25:13 EDT 2012		
	Acquisition finished: Mon Jul 9 12:26:32 EDT 2012		
	All ADNs were acquired		
Results:			
	Assertion & Expected Result Actual Result		
	SPT-AO-08 Acquisition of ADNs. as expected		
	SPT-AO-09 Acquisition of maximum length ADNs. as expected		
	SPT-AO-10 Acquisition of special character ADNs. as expected		
	SPT-AO-11 Acquisition of blank name ADNs. as expected		
Analysis:	Expected results achieved		

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# 409 **5.2.89 SPT-19 (Samsung Focus)**

Test Case SPT	-19 XRY v6.3.1	
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 SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 9 12:27:41 EDT 2012	
Device:	Samsung_Focus	

Test Case SPT-19 XRY v6.3.1			
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB		
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 12:27:41 EDT 2012 Acquisition finished: Mon Jul 9 12:29:22 EDT 2012  LNDs were acquired Date/Time Stamps correctly reported for LNDs		
Results:	Assertion & Expected Result  SPT-AO-12 Acquisition of LNDs.  SPT-AO-13 Acquisition of LND date/time stamps.	Actual Result as expected as expected	
Analysis:	Expected results achieved		

# 411 **5.2.90 SPT-20 (Samsung Focus)**

Test Case SPI	'-20 XRY v6.3.1		
Case Summary:	SPT-20 Acquire SIM memory and review reported text messages (SMS, EMS).		
Assertions: SPT-AO-14 If a cellular forensic tool completes acquisition of th SIM without error then ASCII SMS text messages shall be presented useable format.  SPT-AO-15 If a cellular forensic tool completes acquisition of the second completes acquisition of the second completes.			
	SIM without error then ASCII EMS text messages shall be present useable format.	ented in a	
	SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for all text messages shall be presented in a useable format.		
	SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.		
	SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Mon Jul 9 12:30:41 EDT 2012		
Device:	Samsung_Focus		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 12:30:41 EDT 2012 Acquisition finished: Mon Jul 9 12:47:17 EDT 2012		
ALL text messages (SMS, EMS) were acquired All date/time stamps were reported for text messages			
	Correct status flags were reported for text messages Sender and Recipient phone numbers associated with text messa correctly reported	ages were	
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-14 Acquisition of SMS messages.	as expected	
	SPT-AO-15 Acquisition of EMS messages.	as expected	
	SPT-AO-16 Acquisition of text message date/time stamps.	as expected	
	SPT-AO-17 Acquisition of text message status flags.	as expected	
SPT-A0-18 Acquisition of sender/recipient phone number as associated with text messages.			

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

## 413 **5.2.91 SPT-21 (Samsung Focus)**

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

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## 415 **5.2.92 SPT-22 (Samsung Focus)**

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Test Case SPT-22 XRY v6.3.1			
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		
	SIM without error then location related data (i.	e., LUCI) snail be	
	presented in a useable format.		
	SPT-AO-21 If a cellular forensic tool completes	-	
	SIM without error then location related data (i. presented in a useable format.	e., GRPSLOCI) shall be	
	presenced in a useable format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Mon Jul 9 12:52:55 EDT 2012		
Device:	Samsung_Focus	·	
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Mon Jul 9 12:52:55 EDT 2012		
	Acquisition finished: Mon Jul 9 12:56:15 EDT 201	2	
	LOCI data was acquired		
	GPRSLOCI data was acquired		
Results:			
ICBUICS.	Assertion & Expected Result Actual Result		
	SPT-AO-20 Acquisition of LOCI information.	as expected	
	SPT-AO-21 Acquisition of GPRSLOCI information.	as expected	
	The state of the s		
L	<u>I</u>		

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

## 417 **5.2.93 SPT-23 (Samsung Focus)**

Test Case SPT	'-23 XRY v6.3.1		
Case	SPT-23 Acquire SIM memory by selecting a combination of supported data		
Summary:	elements.		
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).  SPT-AO-22 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects acquisition option then the tool shall complete the acquisition of all data objects without error.  SPT-AO-23 If a cellular forensic tool provides the user with an "Select All" individual SIM data objects then the tool shall complete the acquisition of all individually selected data objects without error.  SPT-AO-24 If a cellular forensic tool provides the user with the ability to "Select Individual" SIM data objects for acquisition then the tool shall acquire each exclusive data object without error.		
Tester	rpa		
Name:			
Test Host:	Morrisy		
Test Date:	Mon Jul 9 12:57:12 EDT 2012		
Device:	Samsung_Focus		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Mon Jul 9 12:57:12 EDT 2012		
	Acquisition finished: Mon Jul 9 12:59:31 EDT 2012		
	Acquire All acquisition was successful		
Results:			
	Assertion & Expected Result Actual Result		
	SPT-AO-01 SIM connectivity via supported interfaces. as expected		
	SPT-AO-22 Acquire-All data objects acquisition. as expected		
	SPT-AO-23 Select-All data objects acquisition. as expected		
	SPT-AO-24 Select-Individual data objects acquisition. as expected		
Analysis:	Expected results achieved		
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## 419 **5.2.94 SPT-24 (Samsung Focus)**

Test Case SPT	-24 XRY v6.3.1	
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 Jul 9 13:02:47 EDT 2012	
Device:	Samsung_Focus	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Mon Jul 9 13:02:47 EDT 2012 Acquisition finished: Mon Jul 9 13:03:38 EDT 2012	

Test Case SPT-24 XRY v6.3.1		
	Complete representation of known data via generated reports	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	

## 421 **5.2.95 SPT-25 (Samsung Focus)**

Test Case SPT	-25 XRY v6.3.1	
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 Jul 9 13:04:06 EDT 2012	
Device:	Samsung_Focus	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 13:04:06 EDT 2012 Acquisition finished: Mon Jul 9 13:06:18 EDT 2012 Complete representation of known data via preview pane was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-26 Comparison of known device data elements via preview-pane.	as expected
71	Demograph was allowed	
Analysis:	Expected results achieved	

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# 423 **5.2.96 SPT-26 (Samsung Focus)**

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

Test Case SPT-26 XRY v6.3.1		
Results:		
	Assertion & Expected Result	Actual Result
	SPT-A0-25 Comparison of known device data elements via generated reports.	as expected
Analysis:	Expected results achieved	

# **5.2.97 SPT-27 (Samsung Focus)**

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

## **5.2.98 SPT-28 (Samsung Focus)**

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Test Case SPT-	-28 XRY v6.3.1		
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 Jul 9 13:10:50 EDT 2012		
Device:	Samsung Focus		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Mon Jul 9 13:10:50 EDT 2012		
	Acquisition finished: Mon Jul 9 13:12:37 EDT 2012		
	Ability to enter PIN on protected media before acquisit:	ion was successful	
Results:			
	Assertion & Expected Result	Actual Result	

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Test Case SPT-28 XRY v6.3.1			
	SPT-A0-28 Acquisition of password word protected SIM. as expected		
Analysis:	Expected results achieved		

## **5.2.99 SPT-29 (Samsung Focus)**

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

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## **5.2.100 SPT-30 (Samsung Focus)**

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

# 433 **5.2.101 SPT-34 (Samsung Focus)**

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

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# 435 **5.2.102 SPT-35 (Samsung Focus)**

Test Case SPT	-35 XRY v6.3.1	
Case Summary:	SPT-35 Begin acquisition on a PIN protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.	
Assertions:	SPT-AO-29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts then the application should provide an accurate count of the remaining PIN attempts.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 9 13:24:30 EDT 2012	
Device:	Samsung_Focus	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 13:24:30 EDT 2012 Acquisition finished: Mon Jul 9 13:28:00 EDT 2012 The remaining number of PIN attempts were properly displayed	
Results:	Assertion & Expected Result SPT-AO-29 Display remaining number of PIN attempts.	Actual Result as expected
Analysis:	Expected results achieved	

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## **5.2.103 SPT-36 (Samsung Focus)**

Test Case SPT	-36 XRY v6.3.1	
Case Summary:	SPT-36 Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.	
Assertions:	SPT-AO-30 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts then the application should provide an accurate count of the remaining PUK attempts.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 9 13:28:35 EDT 2012	
Device:	Samsung_Focus	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 13:28:35 EDT 2012 Acquisition finished: Mon Jul 9 13:35:33 EDT 2012 Remaining number of PUK attempts were properly display	yed
Results:	Assertion & Expected Result	Actual Result
	SPT-AO-30 Display remaining number of PUK attempts.	as expected
Analysis:	Expected results achieved	

### **5.2.104 SPT-38 (Samsung Focus)**

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

# 442 **5.2.105** SPT-39 (Samsung Focus)

Test Case SPT	-39 XRY v6.3.1	
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 Jul 9 13:38:53 EDT 2012	
Device:	Samsung_Focus	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 13:38:53 EDT 2012 Acquisition finished: Mon Jul 9 13:42:42 EDT 2012 Hash values were properly reported for individually acquired SIM data elements	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-43 Acquire data, check known hash values for consistency.	as expected
Analysis:	Expected results achieved	

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# 444 **5.2.106 SPT-01 (Nokia 6350)**

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

Test Case SPT	-01 XRY v6.3.1	
	Device connectivity was established via supported interface	
Results:	Assertion & Expected Result	Actual Result
	SPT-CA-01 Device connectivity via supported interfaces.	as expected
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
	SPT-CA-29 Acquire-All data objects acquisition.	as expected
	SPT-CA-30 Select-All data objects acquisition.	as expected
	SPT-CA-31 Select-Individual data objects acquisition.	as expected
	SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.	as expected
		<u> </u>
Analysis:	Expected results achieved	

## 446 **5.2.107 SPT-02 (Nokia 6350)**

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

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## 448 **5.2.108 SPT-03 (Nokia 6350)**

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Test Case SPT-03 XRY v6.3.1		
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 Jul 2 07:47:58 EDT 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	

Test Case SPT	-03 XRY v6.3.1	
Highlights:	Acquisition started: Mon Jul 2 07:47:58 EDT 2012	
	Acquisition finished: Mon Jul 2 07:50:58 EDT 2012	
	Device acquisition disruption notification was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-03 Notification of device acquisition disruption.	as expected
Analysis:	Expected results achieved	

# 450 **5.2.109 SPT-04 (Nokia 6350)**

Test Case SP	I-04 XRY v6.3.1	
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:	Mon Jul 2 07:51:54 EDT 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Mon Jul 2 07:51:54 EDT 2012	
	Acquisition finished: Mon Jul 2 07:56:51 EDT 2012	
	Readability and completeness of acquired data was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
Analysis:	Expected results achieved	

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# 452 **5.2.110 SPT-05 (Nokia 6350)**

Test Case SPT-	-05 XRY v6.3.1
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 Jul 2 07:57:21 EDT 2012
Device:	Nokia6350
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by XRY v6.3.1

Test Case SPT	-05 XRY v6.3.1		
Highlights:	Acquisition started: Mon Jul 2 07:57:21 EDT 2012		
	Acquisition finished: Mon Jul 2 07:59:59	EDT 2012	
	Subscriber and Equipment related data (i.e., MSISDN, IMEI) were acquired		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-05 Acquisition of MSISDN, IMSI.	as expected	
	SPT-CA-06 Acquisition of IMEI/MEID/ESN.	as expected	
			-
Analysis:	Expected results achieved		

# 454 **5.2.111 SPT-06 (Nokia 6350)**

Test Case SPT	-06 XRY v6.3.1	
Case	SPT-06 Acquire mobile device internal memory and review repor	ted DTM
Summary:	related data.	
Assertions:	SPT-CA-07 If a cellular forensic tool completes acquisition of the target	
ASSELCIONS.	device without error then address book entries shall be presented	
	useable format.	niced in a
	SPT-CA-08 If a cellular forensic tool completes acquisition o	f the target
	device without error then maximum length address book entries shall k	
	presented in a useable format.	DIATE DC
	SPT-CA-09 If a cellular forensic tool completes acquisition o	f the target
	device without error then address book entries containing spe	
	characters shall be presented in a useable format.	
	SPT-CA-10 If a cellular forensic tool completes acquisition o	f the target
	device without error then address book entries containing bla	_
	be presented in a useable format.	
	SPT-CA-11 If a cellular forensic tool completes acquisition o	f the target
	device without error then email addresses associated with add	ress book
	entries shall be presented in a useable format.	
	SPT-CA-12 If a cellular forensic tool completes acquisition o	f the target
	device without error then graphics associated with address bo	ok entries
	shall be presented in a useable format.	
	SPT-CA-13 If a cellular forensic tool completes acquisition o	
	device without error then datebook, calendar, note entries sh	all be
	presented in a useable format.	
	SPT-CA-14 If a cellular forensic tool completes acquisition o	
	device without error then maximum length datebook, calendar,	note entries
	shall be presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 2 08:00:34 EDT 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
-		
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Mon Jul 2 08:00:34 EDT 2012	
	Acquisition finished: Mon Jul 2 08:06:58 EDT 2012	
	All address book entries were successfully acquired	
	ALL PIM related data was acquired	
Results:		<del></del>
	Assertion & Expected Result	Actual
	CDT C2 O7 2 months to a final to	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.	1

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

## 456 **5.2.112 SPT-07 (Nokia 6350)**

Test Case SPT	-07 XRY v6.3.1	
Case Summary:	SPT-07 Acquire mobile device internal memory and revi	ew reported call logs.
Assertions:	SPT-CA-15 If a cellular forensic tool completes acqui device without error then call logs (incoming/outgoin presented in a useable format.  SPT-CA-16 If a cellular forensic tool completes acqui device without error then the corresponding date/time duration of the call for call logs shall be presented	g/missed) shall be sition of the target stamps and the
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 2 08:07:56 EDT 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 08:07:56 EDT 2012 Acquisition finished: Mon Jul 2 08:11:57 EDT 2012 All Call Logs (incoming, outgoing, missed) were 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	

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## 458 **5.2.113 SPT-08 (Nokia 6350)**

	11 00 (110111111 0000)
Test Case SPT	'-08 XRY v6.3.1
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 Case SP	T-08 XRY v6.3.1	
Test Date:	Mon Jul 2 08:12:39 EDT 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 08:12:39 EDT 2012 Acquisition finished: Mon Jul 2 08:15:22 EDT 2012  ALL text messages (SMS, EMS) were acquired Correct date/time stamps were reported for all text 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-17 Acquisition of text messages.  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-19 Acquisition of text message status flags.  SPT-CA-20 Acquisition of sender/recipient phone number	as expected
	associated with text messages.	as expected
Analysis:	Expected results achieved	

## 460 **5.2.114 SPT-09 (Nokia 6350)**

Test Case SPT-09 XRY v6.3.1  Case SPT-09 Acquire mobile device internal memory and review reported MMS mult media related data (i.e., text, audio, graphics, video).  Assertions: SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated audio shall be presented in a useable format.  SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated graphic files shall be presented in a useable format.  SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated video shall be presented in a useable format.  Tester Name: rpa Test Host: Morrisy Test Date: Mon Jul 2 08:16:30 EDT 2012  Device: Nokia6350  Source OS: WIN XP v5.1.2600 Setup: Interface: cable  Log Created by XRY v6.3.1  Acquisition started: Mon Jul 2 08:16:30 EDT 2012  Acquisition finished: Mon Jul 2 08:19:06 EDT 2012  Acquisition finished: Mon Jul 2 08:19:06 EDT 2012  ALL MMS messages (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result Result Result Result			
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: Mon Jul 2 08:16:30 EDT 2012  Device: Nokia6350  Source OS: WIN XP v5.1.2600 Setup: Interface: cable  Log Created by XRY v6.3.1  Acquisition started: Mon Jul 2 08:16:30 EDT 2012  Acquisition finished: Mon Jul 2 08:19:06 EDT 2012  Acquisition finished: Mon Jul 2 08:19:06 EDT 2012  ALL MMS messages (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result  Actual Result	Test Case SPT	-09 XRY v6.3.1	
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:  Test Name:  Test Host:  Morrisy  Test Date:  Mon Jul 2 08:16:30 EDT 2012  Device:  Nokia6350  Source  Setup:  Interface: cable  Log  Highlights:  Created by XRY v6.3.1  Acquisition started: Mon Jul 2 08:16:30 EDT 2012  Acquisition finished: Mon Jul 2 08:19:06 EDT 2012  Acquisition finished: Mon Jul 2 08:19:06 EDT 2012  Acquisition finished: Mon Jul 2 08:19:06 EDT 2012  ALL MMS messages (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result  Actual Result	Case	SPT-09 Acquire mobile device internal memory and review re	ported MMS multi-
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:  Test Host:  Morrisy  Test Date:  Mon Jul 2 08:16:30 EDT 2012  Device:  Nokia6350  Source  OS: WIN XP v5.1.2600  Setup:  Interface: cable  Log  Highlights:  Created by XRY v6.3.1  Acquisition started: Mon Jul 2 08:16:30 EDT 2012  Acquisition finished: Mon Jul 2 08:19:06 EDT 2012  Acquisition finished: Mon Jul 2 08:19:06 EDT 2012  ALL MMS messages (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result  Actual Result	Summary:	media related data (i.e., text, audio, graphics, video).	
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:  Test Nome:  Test Host:  Morrisy  Test Date:  Mon Jul 2 08:16:30 EDT 2012  Device:  Nokia6350  Source  OS: WIN XP v5.1.2600  Setup:  Interface: cable  Log  Highlights:  Created by XRY v6.3.1  Acquisition started: Mon Jul 2 08:16:30 EDT 2012  Acquisition finished: Mon Jul 2 08:19:06 EDT 2012  Acquisition finished: Mon Jul 2 08:19:06 EDT 2012  ALL MMS messages (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result  Actual Result	Assertions:	SPT-CA-21 If a cellular forensic tool completes acquisition	n of the target
SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated graphic files shall be presented in a useable format.  SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated video shall be presented in a useable format.  Tester Name: rpa  Test Host: Morrisy  Test Date: Mon Jul 2 08:16:30 EDT 2012  Device: Nokia6350  Source OS: WIN XP v5.1.2600  Interface: cable  Log Highlights: Acquisition started: Mon Jul 2 08:16:30 EDT 2012  Acquisition finished: Mon Jul 2 08:19:06 EDT 2012  Acquisition finished: Mon Jul 2 08:19:06 EDT 2012  ALL MMS messages (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result  Actual Result		device without error then MMS messages and associated audi	o shall be
device without error then MMS messages and associated graphic files shall be presented in a useable format.  SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated video shall be presented in a useable format.  Tester Name: rpa  Test Host: Morrisy  Test Date: Mon Jul 2 08:16:30 EDT 2012  Device: Nokia6350  Source OS: WIN XP v5.1.2600  Interface: cable  Log Created by XRY v6.3.1  Acquisition started: Mon Jul 2 08:16:30 EDT 2012  Acquisition finished: Mon Jul 2 08:19:06 EDT 2012  Acquisition finished: Mon Jul 2 08:19:06 EDT 2012  ALL MMS messages (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result  Actual Result		presented in a useable format.	
be presented in a useable format.  SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated video shall be presented in a useable format.  Tester Name: rpa  Test Host: Morrisy  Test Date: Mon Jul 2 08:16:30 EDT 2012  Device: Nokia6350  Source OS: WIN XP v5.1.2600  Interface: cable  Log Created by XRY v6.3.1  Acquisition started: Mon Jul 2 08:16:30 EDT 2012  Acquisition finished: Mon Jul 2 08:19:06 EDT 2012  Acquisition finished: Mon Jul 2 08:19:06 EDT 2012  ALL MMS messages (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result  Actual Result		SPT-CA-22 If a cellular forensic tool completes acquisition	n of the target
SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated video shall be presented in a useable format.  Tester Name: rpa  Test Host: Morrisy  Test Date: Mon Jul 2 08:16:30 EDT 2012  Device: Nokia6350  Source OS: WIN XP v5.1.2600 Setup: Interface: cable  Log Created by XRY v6.3.1     Acquisition started: Mon Jul 2 08:16:30 EDT 2012     Acquisition finished: Mon Jul 2 08:19:06 EDT 2012     Acquisition finished: Mon Jul 2 08:19:06 EDT 2012  ALL MMS messages (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result  Actual Result		device without error then MMS messages and associated grap	hic files shall
device without error then MMS messages and associated video shall be presented in a useable format.  Tester Name: rpa  Test Host: Morrisy  Test Date: Mon Jul 2 08:16:30 EDT 2012  Device: Nokia6350  Source OS: WIN XP v5.1.2600  Setup: Interface: cable  Log Created by XRY v6.3.1  Acquisition started: Mon Jul 2 08:16:30 EDT 2012  Acquisition finished: Mon Jul 2 08:19:06 EDT 2012  ALL MMS messages (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result  Actual Result		be presented in a useable format.	
Tester Name: rpa  Test Host: Morrisy  Test Date: Mon Jul 2 08:16:30 EDT 2012  Device: Nokia6350  Source OS: WIN XP v5.1.2600 Setup: Interface: cable  Log Created by XRY v6.3.1 Acquisition started: Mon Jul 2 08:16:30 EDT 2012 Acquisition finished: Mon Jul 2 08:19:06 EDT 2012 ALL MMS messages (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result  Actual Result			
Test Name: rpa  Test Host: Morrisy  Test Date: Mon Jul 2 08:16:30 EDT 2012  Device: Nokia6350  Source OS: WIN XP v5.1.2600  Setup: Interface: cable  Log Highlights: Acquisition started: Mon Jul 2 08:16:30 EDT 2012  Acquisition finished: Mon Jul 2 08:19:06 EDT 2012  ALL MMS messages (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result  Actual Result			o shall be
Test Host: Morrisy  Test Date: Mon Jul 2 08:16:30 EDT 2012  Device: Nokia6350  Source OS: WIN XP v5.1.2600  Interface: cable  Log Highlights: Acquisition started: Mon Jul 2 08:16:30 EDT 2012  Acquisition finished: Mon Jul 2 08:19:06 EDT 2012  ALL MMS messages (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result  Actual Result		presented in a useable format.	
Test Host: Morrisy  Test Date: Mon Jul 2 08:16:30 EDT 2012  Device: Nokia6350  Source OS: WIN XP v5.1.2600  Interface: cable  Log Highlights: Acquisition started: Mon Jul 2 08:16:30 EDT 2012  Acquisition finished: Mon Jul 2 08:19:06 EDT 2012  ALL MMS messages (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result  Actual Result	Togton Namo:	- WD	
Test Date: Mon Jul 2 08:16:30 EDT 2012  Device: Nokia6350  Source OS: WIN XP v5.1.2600 Interface: cable  Log Highlights: Acquisition started: Mon Jul 2 08:16:30 EDT 2012 Acquisition finished: Mon Jul 2 08:19:06 EDT 2012 ALL MMS messages (Audio, Image, Video) were acquired  Results: Assertion & Expected Result  Result			
Device: Nokia6350  Source OS: WIN XP v5.1.2600 Interface: cable  Log Created by XRY v6.3.1 Acquisition started: Mon Jul 2 08:16:30 EDT 2012 Acquisition finished: Mon Jul 2 08:19:06 EDT 2012 ALL MMS messages (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result  Actual Result		*	
Source Setup:  OS: WIN XP v5.1.2600 Interface: cable  Created by XRY v6.3.1 Acquisition started: Mon Jul 2 08:16:30 EDT 2012 Acquisition finished: Mon Jul 2 08:19:06 EDT 2012 ALL MMS messages (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result  Actual Result			
Setup: Interface: cable  Log Highlights: Created by XRY v6.3.1 Acquisition started: Mon Jul 2 08:16:30 EDT 2012 Acquisition finished: Mon Jul 2 08:19:06 EDT 2012 ALL MMS messages (Audio, Image, Video) were acquired  Results: Assertion & Expected Result  Actual Result		1.0	
Log Highlights: Created by XRY v6.3.1 Acquisition started: Mon Jul 2 08:16:30 EDT 2012 Acquisition finished: Mon Jul 2 08:19:06 EDT 2012 ALL MMS messages (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result Actual Result			
Highlights: Acquisition started: Mon Jul 2 08:16:30 EDT 2012 Acquisition finished: Mon Jul 2 08:19:06 EDT 2012  ALL MMS messages (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result  Actual Result	Setup:	Interface: cable	
Acquisition finished: Mon Jul 2 08:19:06 EDT 2012  ALL MMS messages (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result  Actual Result	Log	Created by XRY v6.3.1	
ALL MMS messages (Audio, Image, Video) were acquired  Results:  Assertion & Expected Result  Actual Result	Highlights:	Acquisition started: Mon Jul 2 08:16:30 EDT 2012	
Results:  Assertion & Expected Result  Actual Result		Acquisition finished: Mon Jul 2 08:19:06 EDT 2012	
Results:  Assertion & Expected Result  Actual Result			
Assertion & Expected Result Actual Result		ALL MMS messages (Audio, Image, Video) were acquired	
Result	Results:		
		Assertion & Expected Result	Actual
SDT_CA_21 Aggrigation of audio MMS maggages			Result
SFI-CA-ZI ACQUISICION OF AUGIO PMS Messages.   as expected		SPT-CA-21 Acquisition of audio MMS messages.	as expected
SPT-CA-22 Acquisition of graphic data image MMS as expected		SPT-CA-22 Acquisition of graphic data image MMS	as expected
messages.		messages.	
SPT-CA-23 Acquisition of video MMS messages. as expected	ı	SPT-CA-23 Acquisition of video MMS messages.	as expected
Analysis: Expected results achieved	Analysis:	Expected results achieved	

## **5.2.115 SPT-10 (Nokia 6350)**

Test Case SPT	-10 XRY v6.3.1	
Case	SPT-10 Acquire mobile device internal memory and revi	
Summary:	alone multi-media data (i.e., audio, graphics, video)	
Assertions:	SPT-CA-24 If a cellular forensic tool completes acqui device without error then stand-alone audio files sha useable format via either an internal application or application.  SPT-CA-25 If a cellular forensic tool completes acqui device without error then stand-alone graphic files s useable format via either an internal application or application.  SPT-CA-26 If a cellular forensic tool completes acqui device without error then stand-alone video files sha useable format via either an internal application or application.	Il be presented in a suggested third-party sition of the target hall be presented in a suggested third-party sition of the target ll be presented in a
Tester	rpa	
Name:	i pa	
Test Host:	Morrisy	
Test Date:	Mon Jul 2 08:19:34 EDT 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Mon Jul 2 08:19:34 EDT 2012	
	Acquisition finished: Mon Jul 2 08:20:51 EDT 2012	
	ALL stand-alone data files (Audio, Image, Video) were	acquired
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-24 Acquisition of stand-alone audio files.	as expected
	SPT-CA-25 Acquisition of stand-alone graphic files.	as expected
	SPT-CA-26 Acquisition of stand-alone video files.	as expected
Analysis:	Expected results achieved	
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## **5.2.116 SPT-11 (Nokia 6350)**

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

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

# 466 **5.2.117 SPT-13 (Nokia 6350)**

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

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# 468 **5.2.118 SPT-14 (Nokia 6350)**

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

Test Case SP1	r-14 XRY v6.3.1	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-01 SIM connectivity via supported interfaces.	as expected
		<u>.</u>
Analysis:	Expected results achieved	

## 470 **5.2.119 SPT-15 (Nokia 6350)**

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

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## 472 **5.2.120 SPT-16 (Nokia 6350)**

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

## 474 **5.2.121 SPT-17 (Nokia 6350)**

Test Case SPT-17 XRY v6.3.1			
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 Jul 2 08:42:32 EDT 2012		
Device:	Nokia6350		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 08:42:32 EDT 2012 Acquisition finished: Mon Jul 2 08:57:07 EDT 2012 All subscriber-related data (i.e., SPN, ICCID, IMSI, MSISDN) was acquired		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-04 Acquisition of SPN.	as expected	
	SPT-AO-05 Acquisition of ICCID.	as expected	
	SPT-A0-06 Acquisition of IMSI.	as expected	
	SPT-AO-07 Acquisition of MSISDN.	as expected	
Analysis:	Expected results achieved		
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### 476 **5.2.122 SPT-18 (Nokia 6350)**

Test Case SPT-	Test Case SPT-18 XRY v6.3.1		
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 Host:	Morrisy		
Test Date:	Mon Jul 2 09:03:47 EDT 2012		
Device:	Nokia6350		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Mon Jul 2 09:03:47 EDT 2012		
	Acquisition finished: Mon Jul 2 09:08:14 EDT 2012		

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

# **5.2.123 SPT-19 (Nokia 6350)**

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

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# **5.2.124 SPT-20 (Nokia 6350)**

Test Case SPT	-20 XRY v6.3.1
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

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Test Case SPT	-20 XRY v6.3.1		
	SIM without error then the corresponding sender / recipient p for text messages shall be presented in a useable format.	hone numbers	
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Mon Jul 2 09:12:05 EDT 2012		
Device:	Nokia6350		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Mon Jul 2 09:12:05 EDT 2012		
	Acquisition finished: Mon Jul 2 09:14:04 EDT 2012		
	ALL text messages (SMS, EMS) were acquired		
	All date/time stamps were reported for text messages		
	Correct status flags were reported for text messages		
	Sender and Recipient phone numbers associated with text messages were		
	correctly reported		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-14 Acquisition of SMS messages.	as expected	
	SPT-AO-15 Acquisition of EMS messages.	as expected	
	SPT-AO-16 Acquisition of text message date/time stamps.	as expected	
	SPT-AO-17 Acquisition of text message status flags.	as expected	
	SPT-AO-18 Acquisition of sender/recipient phone number	as expected	
	associated with text messages.		
Analysis:	Expected results achieved		

# 482 **5.2.125 SPT-21 (Nokia 6350)**

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

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### 484 **5.2.126 SPT-22 (Nokia 6350)**

Test Case SPT-	-22 XRY v6.3.1		
Case	SPT-22 Acquire SIM memory and review reported location related data (i.e.,		
Summary:	LOCI, GPRSLOCI).		
Assertions:	SPT-AO-20 If a cellular forensic tool completes acquisition of the target		
	SIM without error then location related data (i.	e., LOCI) shall be	
	presented in a useable format.		
	SPT-AO-21 If a cellular forensic tool completes		
	SIM without error then location related data (i.	e., GRPSLOCI) shall be	
	presented in a useable format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Mon Jul 2 09:18:07 EDT 2012		
Device:	Nokia6350		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
T	Constal by VDV oc. 2.1		
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 09:18:07 EDT 2012		
Highlights.	Acquisition finished: Mon Jul 2 09:47:46 EDT 2012		
	Acquisition limished. Mon Jul 2 09.47.46 EDI 201	2	
	LOCI data was acquired		
	GPRSLOCI data was acquired		
	ornozoor adoa was doquirod		
Results:			
	Assertion & Expected Result Actual Result		
	SPT-AO-20 Acquisition of LOCI information.	as expected	
	SPT-AO-21 Acquisition of GPRSLOCI information.	as expected	
Analysis:	Expected results achieved		
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### 486 **5.2.127 SPT-23 (Nokia 6350)**

Test Case SPT	-23 XRY v6.3.1
Case Summary:	SPT-23 Acquire SIM memory by selecting a combination of supported data elements.
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).  SPT-AO-22 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects acquisition option then the tool shall complete the acquisition of all data objects without error.  SPT-AO-23 If a cellular forensic tool provides the user with an "Select All" individual SIM data objects then the tool shall complete the acquisition of all individually selected data objects without error.  SPT-AO-24 If a cellular forensic tool provides the user with the ability to "Select Individual" SIM data objects for acquisition then the tool shall acquire each exclusive data object without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 09:53:22 EDT 2012
Device:	Nokia6350
Source	OS: WIN XP v5.1.2600
Setup:	Interface: USB
Log	Created by XRY v6.3.1
Highlights:	Acquisition started: Mon Jul 2 09:53:22 EDT 2012
	Acquisition finished: Mon Jul 2 09:55:09 EDT 2012
	Acquire All acquisition was successful
Results:	

	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	

### 488 **5.2.128 SPT-24 (Nokia 6350)**

Test Case SPT	-24 XRY v6.3.1	
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	d data in a
	useable format via supported generated report formats.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 2 10:03:36 EDT 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Mon Jul 2 10:03:36 EDT 2012	
	Acquisition finished: Mon Jul 2 10:06:07 EDT 2012	
	Complete representation of known data via generated reports	was successful
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-25 Comparison of known device data elements via	as expected
	generated reports.	as expected
	generated reports.	<u> </u>
Analysis:	Expected results achieved	
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#### 489

### 490 **5.2.129 SPT-25 (Nokia 6350)**

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Test Case SPT	-25 XRY v6.3.1
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 Jul 2 10:04:08 EDT 2012
Device:	Nokia6350
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by XRY v6.3.1
Highlights:	Acquisition started: Mon Jul 2 10:04:08 EDT 2012
	Acquisition finished: Mon Jul 2 10:06:26 EDT 2012
	Complete representation of known data via preview pane was successful
Results:	

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

### **5.2.130 SPT-26 (Nokia 6350)**

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

#### **5.2.131 SPT-27 (Nokia 6350)**

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

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

### **5.2.132 SPT-28 (Nokia 6350)**

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

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### **5.2.133 SPT-29 (Nokia 6350)**

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

### 500 **5.2.134 SPT-30 (Nokia 6350)**

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

501

### 502 **5.2.135 SPT-33 (Nokia 6350)**

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

### 504 **5.2.136 SPT-34 (Nokia 6350)**

Test Case SPT	-34 XRY v6.3.1	
Case	SPT-34 Acquire SIM memory and review data containing non-ASCII characters.	
Summary:		
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters then the application should present ADNs in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters then the application should present text messages in their native format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 2 10:28:29 EDT 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 10:28:29 EDT 2012 Acquisition finished: Mon Jul 2 10:31:25 EDT 2012  Non-ASCII ADNs were acquired and properly displayed Non-ASCII text messages were acquired and properly display	ed
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-40 Acquisition of non-ASCII address book entries/ADNs.	as expected
	SPT-A0-41 Acquisition of non-ASCII text messages.	as expected
Analysis:	Expected results achieved	

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### 506 **5.2.137 SPT-35 (Nokia 6350)**

Test Case SPT	-35 XRY v6.3.1	
Case Summary:	SPT-35 Begin acquisition on a PIN protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.	
Assertions:	SPT-AO-29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts then the application should provide an accurate count of the remaining PIN attempts.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 2 10:32:34 EDT 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 10:32:34 EDT 2012	
	Acquisition finished: Mon Jul 2 10:34:31 EDT 2012	
	The remaining number of PIN attempts were properly di	splayed
Results:		1
	Assertion & Expected Result	Actual Result
	SPT-AO-29 Display remaining number of PIN attempts.	as expected
Analysis:	Expected results achieved	

### **5.2.138 SPT-36 (Nokia 6350)**

Test Case SPT	-36 XRY v6.3.1	
Case Summary:	SPT-36 Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.	
Assertions:	SPT-AO-30 If a cellular forensic tool provides the ex remaining number of PUK attempts then the application accurate count of the remaining PUK attempts.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 2 10:32:57 EDT 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Mon Jul 2 10:32:57 EDT 2012	
	Acquisition finished: Mon Jul 2 10:34:48 EDT 2012	
	Remaining number of PUK attempts were properly displa	yed
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-30 Display remaining number of PUK attempts.	as expected
		<del> </del>
Analysis:	Expected results achieved	

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### **5.2.139 SPT-38 (Nokia 6350)**

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

### 513 **5.2.140 SPT-39 (Nokia 6350)**

Test Case SPT	-39 XRY v6.3.1	
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 Jul 2 10:40:53 EDT 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 10:40:53 EDT 2012 Acquisition finished: Mon Jul 2 10:42:54 EDT 2012 Hash values were properly reported for individually acquired SIM data elements	
Results:	Assertion & Expected Result	Actual Result
	SPT-AO-43 Acquire data, check known hash values for consistency.	as expected
Analysis:	Expected results achieved	

#### 514

### 515 **5.2.141 SPT-01 (Motorola Tundra)**

	OPT 01 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	SPT-01 Acquire mobile device internal memory over tool-supported interfaces
	(e.g., cable, Bluetooth, IrDA).
	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
	Mon Jul 2 13:08:58 EDT 2012
	Moto_Tundra
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by XRY v6.3.1
Highlights:	Acquisition started: Mon Jul 2 13:08:58 EDT 2012
	Acquisition finished: Mon Jul 2 14:36:51 EDT 2012

Test Case SPT	-01 XRY v6.3.1	
	Device Connectivity was not established via supported interf	ace
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	

### **517 5.2.142 SPT-14** (Motorola Tundra)

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

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### **519 5.2.143 SPT-15** (Motorola Tundra)

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Test Case SPT-15 XRY v6.3.1		
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:	Tue Jul 3 08:09:19 EDT 2012	
Device:	Moto_Tundra	

Test Case SPT-	Test Case SPT-15 XRY v6.3.1		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 08:09:19 EDT 2012 Acquisition finished: Tue Jul 3 08:10:23 EDT 2012 Identification of nonsupported media was successful		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-A0-02 Identification of nonsupported SIMs.	as expected	
Analysis:	Expected results achieved		

### **521 5.2.144 SPT-16** (Motorola Tundra)

Test Case SPT-	-16 XRY v6.3.1	
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 connect	ivity has been
	disrupted.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jul 3 08:13:32 EDT 2012	
Device:	Moto_Tundra	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jul 3 08:13:32 EDT 2012	
	Acquisition finished: Tue Jul 3 08:14:12 EDT 2012	
	Media acquisition disruption notification was not succe	sstul
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-03 Notification of SIM acquisition disruption.	Not as expected
Analysis:	Expected results not achieved	

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### 523 **5.2.145 SPT-17 (Motorola Tundra)**

Test Case SPT-	-17 XRY v6.3.1
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:	Tue Jul 3 08:19:55 EDT 2012
Device:	Moto_Tundra
Source	OS: WIN XP v5.1.2600
Setup:	Interface: USB

Test Case SPT	-17 XRY v6.3.1		
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 08: Acquisition finished: Tue Jul 3 08 All subscriber-related data (i.e.,		i
Results:	Assertion & Expected Result  SPT-AO-04 Acquisition of SPN.  SPT-AO-05 Acquisition of ICCID.  SPT-AO-06 Acquisition of IMSI.  SPT-AO-07 Acquisition of MSISDN.	Actual Result as expected as expected as expected as expected	
Analysis:	Expected results achieved		

### **5.2.146 SPT-18 (Motorola Tundra)**

Test Case SPT	-18 XRY v6.3.1	
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 Host:	Morrisy	
Test Date:	Tue Jul 3 08:31:40 EDT 2012	
Device:	Moto Tundra	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 08:31:40 EDT 2012 Acquisition finished: Tue Jul 3 08:34:46 EDT 2012 All ADNs were acquired	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-08 Acquisition of ADNs.	as expected
	SPT-AO-09 Acquisition of maximum length ADNs.	as expected
	SPT-AO-10 Acquisition of special character ADNs.	as expected
	SPT-AO-11 Acquisition of blank name ADNs.	as expected
Analysis:	Expected results achieved	
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### **5.2.147 SPT-19 (Motorola Tundra)**

Test Case SPT-19 XRY v6.3.1	Test	Case	SPT-19	XRY	v6.3.1
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Test Case SPT	-19 XRY v6.3.1	
Case	SPT-19 Acquire SIM memory and review reported Last Numbers Dialed (LND).	
Summary:		
Assertions:	SPT-AO-12 If a cellular forensic tool completes	acquisition of the target
	SIM without error then Last Numbers Dialed (LND)	shall be presented in a
	useable format.	
	SPT-AO-13 If a cellular forensic tool completes	-
	SIM without error then the corresponding date/ti	me stamps for LNDs shall be
	presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jul 3 08:35:36 EDT 2012	
Device:	Moto_Tundra	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jul 3 08:35:36 EDT 2012	
	Acquisition finished: Tue Jul 3 08:37:32 EDT 201	2
	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	

# 531 **5.2.148 SPT-20 (Motorola Tundra)**

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

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	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	

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### 5.2.149 SPT-21 (Motorola Tundra)

Test Case SPT	-21 XRY v6.3.1	
Case Summary:	SPT-21 Acquire SIM memory and review recoverable deleted t (SMS, EMS).	text messages
Assertions:	SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error then deleted text messages that have not been overwritten shall be presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jul 3 08:44:28 EDT 2012	
Device:	Moto_Tundra	
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 08:44:28 EDT 2012 Acquisition finished: Tue Jul 3 08:45:55 EDT 2012 Deleted text message data was recovered	
Results:	Assertion & Expected Result	Actual Result
	SPT-A0-19 Acquisition of non-overwritten deleted text messages.	as expected
Analysis:	Expected results achieved	

#### 534

### 535 **5.2.150 SPT-22 (Motorola Tundra)**

Test Case SPT-	-22 XRY v6.3.1
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:	Tue Jul 3 08:46:49 EDT 2012
Device:	Moto_Tundra
Source	OS: WIN XP v5.1.2600
Setup:	Interface: USB

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

### **5.2.151 SPT-23 (Motorola Tundra)**

Test Case SPT	-23 XRY v6.3.1		
Case	SPT-23 Acquire SIM memory by selecting a combination of supported data		
Summary:	elements.		
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).  SPT-AO-22 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects acquisition option then the tool shall complete the acquisition of all data objects without error.  SPT-AO-23 If a cellular forensic tool provides the user with an "Select All" individual SIM data objects then the tool shall complete the acquisition of all individually selected data objects without error.  SPT-AO-24 If a cellular forensic tool provides the user with the ability to "Select Individual" SIM data objects for acquisition then the tool shall acquire each exclusive data object without error.		
Tester	rpa		
Name:			
Test Host:	Morrisy		
Test Date:	Tue Jul 3 09:22:19 EDT 2012		
Device:	Moto Tundra		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Tue Jul 3 09:22:19 EDT 2012		
	Acquisition finished: Tue Jul 3 09:24:21 EDT 2012		
	Acquire All acquisition was successful		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-01 SIM connectivity via supported interfaces.	as expected	
	SPT-AO-22 Acquire-All data objects acquisition.	as expected	
	SPT-AO-23 Select-All data objects acquisition.	as expected	
	SPT-AO-24 Select-Individual data objects acquisition.	as expected	
Analysis:	Expected results achieved		

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# **5**

### 5.2.152 SPT-26 (Motorola Tundra)

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

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Test Case SPT	-26 XRY v6.3.1	
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:	Tue Jul 3 09:24:53 EDT 2012	
Device:	Moto_Tundra	
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 09:24:53 EDT 2012 Acquisition finished: Tue Jul 3 09:33:16 EDT 2012 Complete representation of known data via generated reports was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-25 Comparison of known device data elements via generated reports.	as expected
Analysis:	Expected results achieved	

### **5.2.153 SPT-27 (Motorola Tundra)**

Test Case SPT	-27 XRY v6.3.1	
Case	SPT-27 Acquire SIM memory and review reported data via the p	review-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:	Tue Jul 3 09:33:42 EDT 2012	
Device:	Moto_Tundra	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 09:33:42 EDT 2012 Acquisition finished: Tue Jul 3 09:38:34 EDT 2012 Complete representation of known data via preview pane was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-26 Comparison of known device data elements via preview-pane.	as expected
Analysis:	Expected results achieved	

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### **5.2.154 SPT-28 (Motorola Tundra)**

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

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

### 547 **5.2.155 SPT-30 (Motorola Tundra)**

Test Case SPT	-30 XRY v6.3.1	
Case	SPT-30 After a successful SIM acquisition, alter the case file via third-	
Summary:	party means and attempt to re-open the case.	
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via	
	third-party means then the tool shall provide protection mechanisms	
	disallowing or reporting data modification.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jul 3 09:46:06 EDT 2012	
Device:	Moto_Tundra	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jul 3 09:46:06 EDT 2012	
	Acquisition finished: Tue Jul 3 09:48:36 EDT 2012	
	Notification of modified SIM data was successful	
- 1. ·		
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-27 Notification of modified device case data.	as expected
Analysis:	Expected results achieved	

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### **549 5.2.156 SPT-34** (Motorola Tundra)

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

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

### **5.2.157 SPT-35 (Motorola Tundra)**

Test Case SPT	-35 XRY v6.3.1	
Case Summary:	SPT-35 Begin acquisition on a PIN protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.	
Assertions:	SPT-AO-29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts then the application should provide an accurate count of the remaining PIN attempts.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jul 3 09:52:14 EDT 2012	
Device:	Moto_Tundra	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 09:52:14 EDT 2012 Acquisition finished: Tue Jul 3 09:53:39 EDT 2012 The remaining number of PIN attempts were properly displayed	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-29 Display remaining number of PIN attempts.	as expected
Analysis:	Expected results achieved	
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### **5.2.158 SPT-36 (Motorola Tundra)**

Test Case SPT	-36 XRY v6.3.1
Case	SPT-36 Begin acquisition on a SIM whose PIN attempts have been exhausted to
Summary:	determine if the tool provides an accurate count of the remaining number of
	PUK attempts and if the PUK attempts are decremented when entering an
	incorrect value.
Assertions:	SPT-AO-30 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts then the application should provide an accurate count of the remaining PUK attempts.

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Test Case SPT	-36 XRY v6.3.1	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jul 3 09:54:17 EDT 2012	
Device:	Moto_Tundra	
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 09:54:17 EDT 2012 Acquisition finished: Tue Jul 3 09:58:00 EDT 2012 Remaining number of PUK attempts were properly displayed	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-30 Display remaining number of PUK attempts.	as expected
Analysis:	Expected results achieved	

### **5.2.159 SPT-39 (Motorola Tundra)**

Test Case SPT	-39 XRY v6.3.1	
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:	Tue Jul 3 09:58:28 EDT 2012	
Device:	Moto_Tundra	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 09:58:28 EDT 2012 Acquisition finished: Mon Jul 9 06:58:01 EDT 2012  Hash values were properly reported for individually acquired SIM data elements	
Results:	Assertion & Expected Result  SPT-A0-43 Acquire data, check known hash values for consistency.	Actual Result as expected
Analysis:	Expected results achieved	

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### **5.2.160 SPT-01 (HTC Tilt2)**

Test Case SPT	-01 XRY v6.3.1
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"

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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			
Name: Test Host: Morrisy Test Date: Thu Jun 28 07:55:49 EDT 2012 Device: HTC_Tilt2 Source OS: WIN XP v5.1.2600 Setup: Interface: cable  Log Created by XRY v6.3.1 Highlights: Acquisition started: Thu Jun 28 07:55:49 EDT 2012		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	
Test Host: Morrisy Test Date: Thu Jun 28 07:55:49 EDT 2012 Device: HTC_Tilt2 Source OS: WIN XP v5.1.2600 Setup: Interface: cable  Log Created by XRY v6.3.1 Highlights: Acquisition started: Thu Jun 28 07:55:49 EDT 2012		rpa	
Test Date: Thu Jun 28 07:55:49 EDT 2012  Device: HTC_Tilt2  Source OS: WIN XP v5.1.2600  Setup: Interface: cable  Log Created by XRY v6.3.1  Highlights: Acquisition started: Thu Jun 28 07:55:49 EDT 2012			
Device: HTC_Tilt2  Source OS: WIN XP v5.1.2600  Setup: Interface: cable  Log Created by XRY v6.3.1  Highlights: Acquisition started: Thu Jun 28 07:55:49 EDT 2012			
Source OS: WIN XP v5.1.2600 Setup: Interface: cable  Log Created by XRY v6.3.1 Highlights: Acquisition started: Thu Jun 28 07:55:49 EDT 2012			
Setup: Interface: cable  Log			
Log Created by XRY v6.3.1 Highlights: Acquisition started: Thu Jun 28 07:55:49 EDT 2012			
Highlights: Acquisition started: Thu Jun 28 07:55:49 EDT 2012	Setup:	Interface: cable	
	Log	Created by XRY v6.3.1	
Acquisition finished: Thu Jun 28 08:14:12 EDT 2012	Highlights:		
		Acquisition finished: Thu Jun 28 08:14:12 EDT 2012	
Device connectivity was established via supported interface		Device connectivity was established via supported interface	
Results:			
Assertion & Expected Result Actual Result	Results:		
SPT-CA-01 Device connectivity via supported interfaces. as expected	Results:	Assertion & Expected Result	
SPT-CA-04 Readability and completeness of acquired data via as expected	Results:		Result
supported reports.	Results:	SPT-CA-01 Device connectivity via supported interfaces.	Result as expected
SPT-CA-29 Acquire-All data objects acquisition. as expected	Results:	SPT-CA-01 Device connectivity via supported interfaces. SPT-CA-04 Readability and completeness of acquired data via supported reports.	Result as expected
SPT-CA-30 Select-All data objects acquisition. as expected	Results:	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
SPT-CA-31 Select-Individual data objects acquisition. as expected	Results:	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.	as expected as expected as expected
SPT-CA-32 Perform back-to-back acquisitions, check device as expected payload for modifications.	Results:	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.	as expected as expected as expected as expected as expected
	Results:	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.  SPT-CA-32 Perform back-to-back acquisitions, check device	as expected as expected as expected as expected as expected as expected
Analysis: Expected results achieved	Results:	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.	as expected as expected as expected as expected as expected as expected

# **5.2.161 SPT-02 (HTC Tilt2)**

Test Case SPT	-02 XRY v6.3.1		
Case Summary:	SPT-02 Attempt internal memory acquisition of a non	supported mobile de	evice
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to c device then the tool shall notify the user that the supported.		porte
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Thu Jun 28 08:16:57 EDT 2012		
Device:	unsupported_device		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Thu Jun 28 08:16:57 EDT 2012		
	Acquisition finished: Thu Jun 28 08:36:36 EDT 2012		
	Identification of nonsupported devices was successf	ul	
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-02 Identification of nonsupported devices.	as expected	

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

### 561 **5.2.162 SPT-03 (HTC Tilt2)**

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

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### 563 **5.2.163 SPT-04 (HTC Tilt2)**

Test Case SPT	-04 XRY v6.3.1	
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 acq		of the target
	device without error then the tool shall have the ability to	-
	acquired data objects in a useable format via either a previ	iew pane or
	generated report.	
Tester	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Thu Jun 28 12:17:55 EDT 2012	
Device:	HTC_Tilt2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Thu Jun 28 12:17:55 EDT 2012	
	Acquisition finished: Thu Jun 28 12:24:22 EDT 2012	
	Readability and completeness of acquired data was successful	1
Results:		
	Assertion & Expected Result	Actual
		Result
	SPT-CA-04 Readability and completeness of acquired data	as expected
	via supported reports.	

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

### 565 **5.2.164 SPT-05 (HTC Tilt2)**

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

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# 567 **5.2.165 SPT-06 (HTC Tilt2)**

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

Test Case SPT	-06 XRY v6.3.1		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Thu Jun 28 12:44:30 EDT 2012		
Device:	HTC_Tilt2		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Thu Jun 28 12:44:30 EDT 2012		
	Acquisition finished: Thu Jun 28 12:59:08 EDT 2012		
	All address book entries were successfully acquired		
	ALL PIM related data was acquired		
Results:			
Results.	Assertion & Expected Result	Actual	
	Assertion & Expected Result	Result	
	SPT-CA-07 Acquisition of address book entries.	as expected	
	SPT-CA-08 Acquisition of maximum length address book	as expected	
	entries.	as expected	
	SPT-CA-09 Acquisition of address book entries containing	as expected	
	special characters.	as expected	
	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	as expected	
	address book entries.	as cripation	
	SPT-CA-12 Acquisition of embedded graphics within address	as expected	
	book entries.		
	SPT-CA-13 Acquisition of PIM data (i.e.,	as expected	
	datebook/calendar, notes).	_	
	SPT-CA-14 Acquisition of maximum length PIM data.	as expected	
Analysis:	Expected results achieved		

# **5.2.166 SPT-07 (HTC Tilt2)**

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

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

### **571 5.2.167 SPT-08** (HTC Tilt2)

Test Case SPT	-08 XRY v6.3.1	
Case	SPT-08 Acquire mobile device internal memory and review report	ted text
Summary:	messages.	
Assertions:	SPT-CA-17 If a cellular forensic tool completes acquisition of device without error then ASCII text messages (i.e., SMS, EMS) presented in a useable format.  SPT-CA-18 If a cellular forensic tool completes acquisition of device without error then the corresponding date/time stamps is messages shall be presented in a useable format.  SPT-CA-19 If a cellular forensic tool completes acquisition of device without error then the corresponding status (i.e., react text messages shall be presented in a useable format.  SPT-CA-20 If a cellular forensic tool completes acquisition of device without error then the corresponding sender / recipient numbers for text messages shall be presented in a useable form	) shall be  f the target for text  f the target d, unread) for  f the target t phone
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Thu Jun 28 13:04:18 EDT 2012	
Device:	HTC_Tilt2	
Source		
Setup:	OS: WIN XP v5.1.2600 Interface: cable	
secup.	interface. Cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 28 13:04:18 EDT 2012 Acquisition finished: Thu Jun 28 13:16:21 EDT 2012  ALL text messages (SMS, EMS) were acquired Correct date/time stamps were reported for all text messages Correct status flags were reported for all text messages Sender and Recipient phone numbers associated with text message correctly reported	ges were
Results:		-
	Assertion & Expected Result	Actual
		Result
	SPT-CA-17 Acquisition of text messages.	as expected
	SPT-CA-18 Acquisition of text message date/time stamps.	as expected
	SPT-CA-19 Acquisition of text message status flags.	as expected
	SPT-CA-20 Acquisition of sender/recipient phone number associated with text messages.	as expected
Analysis:	Expected results achieved	

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# 573 **5.2.168 SPT-09 (HTC Tilt2)**

Test Case SPT	-09 XRY v6.3.1	
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-09 Acquire mobile device internal memory and review reported MMS multi-	

Test Case SPT	-09 XRY v6.3.1	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Thu Jun 28 13:16:51 EDT 2012	
Device:	HTC_Tilt2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Thu Jun 28 13:16:51 EDT 2012	
	Acquisition finished: Thu Jun 28 13:21:33 EDT 2012	
	ALL MMS messages (Audio, Image, Video) were acquired	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-21 Acquisition of audio MMS messages.	as expected
	SPT-CA-22 Acquisition of graphic data image MMS	as expected
	messages.	
	SPT-CA-23 Acquisition of video MMS messages.	as expected
Analysis:	Expected results achieved	

### 575 **5.2.169 SPT-10 (HTC Tilt2)**

Test Case SPT	-10 XRY v6.3.1		
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 pa		
Test Host:	Morrisy		
Test Date:	Thu Jun 28 13:22:52 EDT 2012		
Device:	HTC_Tilt2		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Thu Jun 28 13:22:52 EDT 2012		
	Acquisition finished: Thu Jun 28 13:40:00 EDT 2012		
	ALL stand-alone data files (Audio, Image, Video) were	acquired	
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-24 Acquisition of stand-alone audio files.	as expected	
	SPT-CA-25 Acquisition of stand-alone graphic files.	as expected	
	SPT-CA-26 Acquisition of stand-alone video files.	as expected	
Analysis:	Expected results achieved		

### **5.2.170 SPT-11 (HTC Tilt2)**

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

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#### **5.2.171 SPT-12 (HTC Tilt2)**

Test Case SPT	7-12 XRY v6.3.1	
Case Summary:	SPT-12 Acquire mobile device internal memory and review Internet related data (i.e., bookmarks, visited sites.	
Assertions:	SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Thu Jun 28 13:44:03 EDT 2012	
Device:	HTC_Tilt2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 28 13:44:03 EDT 2012 Acquisition finished: Thu Jun 28 13:50:59 EDT 2012 All Internet related data was acquired	
Results:		
	Assertion & Expected Result Actual Result	
	SPT-CA-28 Acquisition of Internet related data. as expected	
Analysis:	Expected results achieved	

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### **5.2.172 SPT-13 (HTC Tilt2)**

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

Test Case SPT	-13 XRY v6.3.1	
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user All" device data objects acquisition option then the to 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 shall 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 acquire each exclusive data object without error.	ol shall complete with an "Select complete the ithout error. with the ability to
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Thu Jun 28 13:51:19 EDT 2012	
Device:	HTC_Tilt2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 28 13:51:19 EDT 2012 Acquisition finished: Thu Jun 28 13:59:20 EDT 2012 Acquire All acquisition was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-29 Acquire-All data objects acquisition.	as expected
	SPT-CA-30 Select-All data objects acquisition.  SPT-CA-31 Select-Individual data objects acquisition.	as expected
	SFI-CA-31 Select-Individual data objects acquisition.	as expected
Analysis:	Expected results achieved	

### 583 **5.2.173 SPT-14 (HTC Tilt2)**

Test Case SPT-14 XRY v6.3.1		
Case Summary:	SPT-14 Acquire SIM memory over supported interfaces (e	.g., PC/SC reader).
Assertions:	SPT-AO-01 If a cellular forensic tool provides support the target SIM then the tool shall successfully recogn via all tool-supported interfaces (e.g., PC/SC reader, smart phone itself).	ize the target SIM
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 29 07:49:05 EDT 2012	
Device:	HTC_Tilt2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 07:49:05 EDT 2012 Acquisition finished: Fri Jun 29 07:50:11 EDT 2012 Media connectivity was established via supported inter	face
Results:	Assertion & Expected Result SPT-AO-01 SIM connectivity via supported interfaces.	Actual Result as expected
Analysis:	Expected results achieved	
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### 584 **5.2.174 SPT-15 (HTC Tilt2)**

Test Case SPT-15 XRY v6.3.1	

Test Case SPT-	-15 XRY v6.3.1		
Case	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:	Fri Jun 29 07:50:46 EDT 2012		
Device:	HTC_Tilt2		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Fri Jun 29 07:50:46 EDT 2012		
	Acquisition finished: Fri Jun 29 07:51:09 EDT 2012		
	Identification of nonsupported media was successful		
Results:			
	Assertion & Expected Result Actual Result		
	SPT-AO-02 Identification of nonsupported SIMs. as expected		
Analysis:	Expected results achieved		
WIGTABTE.	Expected results actived		

### **5.2.175 SPT-16 (HTC Tilt2)**

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

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# **5.2.176 SPT-17 (HTC Tilt2)**

Test Case SPT-17 XRY v6.3.1		
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	

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Test Case SPT-	-17 XRY v6.3.1		
	SIM without error then the IMSI shall be presented in a useable format. SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error then the MSISDN shall be presented in a useable format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Fri Jun 29 08:36:11 EDT 2012		
Device:	HTC_Tilt2		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Fri Jun 29 08		
	Acquisition finished: Fri Jun 29 08:36:24 EDT 2012		
	All subscriber-related data (i.e.,	SPN, ICCID, IMSI, MSISDN) was acquired	
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-A0-04 Acquisition of SPN.	as expected	
	SPT-A0-05 Acquisition of ICCID.	as expected	
	SPT-A0-06 Acquisition of IMSI.	as expected	
	SPT-A0-07 Acquisition of MSISDN.	as expected	
Analysis:	Expected results achieved		

### 590 **5.2.177 SPT-18 (HTC Tilt2)**

Test Case SPT	-18 XRY v6.3.1		
Case	SPT-18 Acquire SIM memory and review reported Abbr	eviated 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 Host:	Morrisy		
Test Date:	Fri Jun 29 08:36:53 EDT 2012		
Device:	HTC Tilt2		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Fri Jun 29 08:36:53 EDT 2012		
	Acquisition finished: Fri Jun 29 08:55:54 EDT 2012		
	All ADNs were acquired		
Results:			
	Assertion & Expected Result Actual Result		
	SPT-AO-08 Acquisition of ADNs. as expected		
	SPT-AO-09 Acquisition of maximum length ADNs. as expected		
	SPT-AO-10 Acquisition of special character ADNs. as expected		
	SPT-AO-11 Acquisition of blank name ADNs. as expected		
	•		

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

### 592 **5.2.178 SPT-19 (HTC Tilt2)**

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

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### 594 **5.2.179 SPT-20 (HTC Tilt2)**

Test Case SPT	-20 XRY v6.3.1	
Case	SPT-20 Acquire SIM memory and review reported text messages (SMS, EMS).	
Summary:		
Assertions:	SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII SMS text messages shall be presented in a useable format.  SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII EMS text messages shall be presented in a useable format.  SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for all text messages shall be presented in a useable format.  SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.  SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 29 08:57:27 EDT 2012	
Device:	HTC_Tilt2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by XRY v6.3.1	

Test Case SPT	-20 XRY v6.3.1	
Highlights:	Acquisition started: Fri Jun 29 08:57:27 EDT 2012 Acquisition finished: Fri Jun 29 08:58:43 EDT 2012  ALL text messages (SMS, EMS) were acquired All date/time stamps were reported for text messages Correct status flags were reported for text messages Sender and Recipient phone numbers associated with text messages correctly reported	ages were
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-14 Acquisition of SMS messages.	as expected
	SPT-AO-15 Acquisition of EMS messages.	as expected
	SPT-AO-16 Acquisition of text message date/time stamps.	as expected
	SPT-AO-17 Acquisition of text message status flags.	as expected
	SPT-AO-18 Acquisition of sender/recipient phone number associated with text messages.	as expected
Analysis:	Expected results achieved	

# **5.2.180 SPT-21 (HTC Tilt2)**

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

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### 5.2.181 SPT-22 (HTC Tilt2)

Test Case SPT-	Test Case SPT-22 XRY v6.3.1		
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.		

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Test Case SPT	-22 XRY v6.3.1		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Fri Jun 29 09:01:48 EDT 2012		
Device:	HTC_Tilt2		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Fri Jun 29 09:01:48 EDT 201		
	Acquisition finished: Fri Jun 29 09:02:47 EDT 20	12	
	LOCI data was acquired		
	GPRSLOCI data was acquired		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-20 Acquisition of LOCI information.	as expected	
	SPT-AO-21 Acquisition of GPRSLOCI information.	as expected	
Analysis:	Expected results achieved		

### 600 **5.2.182 SPT-23 (HTC Tilt2)**

"Select Individual" SIM data objects for acquisition then the tool shall acquire each exclusive data object without error.  Tester rpa	Test Case SPI	2-23 XRY v6.3.1		
Assertions:  SPT-A0-01 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-A0-22 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-A0-22 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-A0-24 If a cellular forensic tool provides the user with an "Select All" individual SIM data objects for acquisition then the tool shall acquire each exclusive data object without error.  Tester  Name:  Test Host:  Test Host:  Morrisy  Test Date:  Fri Jun 29 09:03:13 EDT 2012  Device:  HTC_Tilt2  Source  Setup:  Created by XRY v6.3.1  Acquisition started: Fri Jun 29 09:03:13 EDT 2012  Acquisition finished: Fri Jun 29 09:06:06 EDT 2012  Acquisition finished: Fri Jun 29 09:06:06 EDT 2012  Acquisition finished: Fri Jun 29 09:06:06 EDT 2012  Acquire All acquisition was successful  Results:  Assertion & Expected Result  SPT-A0-01 SIM connectivity via supported interfaces. as expected  SPT-A0-22 Acquire-All data objects acquisition. as expected  SPT-A0-24 Select-Individual data objects acquisition. as expected	Case	SPT-23 Acquire SIM memory by selecting a combination of supported data		
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-AD-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-AD-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-AD-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  Test Host:  Morrisy  Test Date:  Fri Jun 29 09:03:13 EDT 2012  Device:  HTC_Tilt2  Source  Setup:  Interface: USB  Created by XRY v6.3.1  Acquisition started: Fri Jun 29 09:03:13 EDT 2012  Acquisition finished: Fri Jun 29 09:06:06 EDT 2012  Acquisition finished: Fri Jun 29 09:06:06 EDT 2012  Acquisition finished: Fri Jun 29 09:06:06 EDT 2012  Acquisition & Expected Result  SPT-AD-01 SIM connectivity via supported interfaces. as expected  SPT-AD-22 Acquire-All data objects acquisition. as expected  SPT-AD-23 Select-All data objects acquisition. as expected  SPT-AD-24 Select-Individual data objects acquisition. as expected	Summary:	elements.		
Name:  Test Host: Morrisy  Test Date: Fri Jun 29 09:03:13 EDT 2012  Device: HTC_Tilt2  Source Setup: OS: WIN XP v5.1.2600  Interface: USB  Log Highlights: Acquisition started: Fri Jun 29 09:03:13 EDT 2012  Acquire All acquisition was successful  Results: Assertion & Expected Result  SPT-AO-01 SIM connectivity via supported interfaces. as expected  SPT-AO-22 Acquire-All data objects acquisition. as expected  SPT-AO-24 Select-Individual data objects acquisition. as expected  SPT-AO-24 Select-Individual data objects acquisition. as expected	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		
Name:  Test Host: Morrisy  Test Date: Fri Jun 29 09:03:13 EDT 2012  Device: HTC_Tilt2  Source Setup: OS: WIN XP v5.1.2600  Interface: USB  Log Highlights: Acquisition started: Fri Jun 29 09:03:13 EDT 2012  Acquire All acquisition was successful  Results: Assertion & Expected Result  SPT-AO-01 SIM connectivity via supported interfaces. as expected  SPT-AO-22 Acquire-All data objects acquisition. as expected  SPT-AO-24 Select-Individual data objects acquisition. as expected  SPT-AO-24 Select-Individual data objects acquisition. as expected	По пъ от			
Test Date: Fri Jun 29 09:03:13 EDT 2012  Device: HTC_Tilt2  Source Setup: OS: WIN XP v5.1.2600 Interface: USB  Log Highlights: Acquisition started: Fri Jun 29 09:03:13 EDT 2012 Acquire All acquisition was successful  Results: Assertion & Expected 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		rpa		
Test Date: Fri Jun 29 09:03:13 EDT 2012  Device: HTC_Tilt2  Source OS: WIN XP v5.1.2600 Interface: USB  Log Highlights: Created by XRY v6.3.1 Acquisition started: Fri Jun 29 09:03:13 EDT 2012 Acquisition finished: Fri Jun 29 09:06:06 EDT 2012 Acquire All acquisition was successful  Results: Assertion & Expected Result 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		Mannigur		
Device: HTC_Tilt2  Source Setup: OS: WIN XP v5.1.2600 Interface: USB  Log		-		
Source Setup:  OS: WIN XP v5.1.2600 Interface: USB  Created by XRY v6.3.1 Acquisition started: Fri Jun 29 09:03:13 EDT 2012 Acquisition finished: Fri Jun 29 09:06:06 EDT 2012 Acquire All acquisition was successful  Results:  Assertion & Expected Result 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				
Log Highlights:  Created by XRY v6.3.1 Acquisition started: Fri Jun 29 09:03:13 EDT 2012 Acquisition finished: Fri Jun 29 09:06:06 EDT 2012 Acquire All acquisition was successful  Results:  Assertion & Expected Result 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				
Highlights: Acquisition started: Fri Jun 29 09:03:13 EDT 2012 Acquisition finished: Fri Jun 29 09:06:06 EDT 2012 Acquire All acquisition was successful  Results:  Assertion & Expected Result 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				
Acquisition finished: Fri Jun 29 09:06:06 EDT 2012  Acquire All acquisition was successful  Results:  Assertion & Expected Result SPT-A0-01 SIM connectivity via supported interfaces. as expected SPT-A0-22 Acquire-All data objects acquisition. as expected SPT-A0-23 Select-All data objects acquisition. as expected SPT-A0-24 Select-Individual data objects acquisition. as expected	Loq	Created by XRY v6.3.1		
Results:  Assertion & Expected Result  SPT-A0-01 SIM connectivity via supported interfaces. as expected SPT-A0-22 Acquire-All data objects acquisition. as expected SPT-A0-23 Select-All data objects acquisition. as expected SPT-A0-24 Select-Individual data objects acquisition. as expected	Highlights:	Acquisition started: Fri Jun 29 09:03:13 EDT 2012		
Results:  Assertion & Expected Result  SPT-A0-01 SIM connectivity via supported interfaces. as expected  SPT-A0-22 Acquire-All data objects acquisition. as expected  SPT-A0-23 Select-All data objects acquisition. as expected  SPT-A0-24 Select-Individual data objects acquisition. as expected	3 3	_		
Assertion & Expected 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		Acquire All acquisition was successful		
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	Results:			
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		Assertion & Expected Result	Actual Result	
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		SPT-AO-01 SIM connectivity via supported interfaces.	as expected	
SPT-AO-24 Select-Individual data objects acquisition. as expected			as expected	
SPT-AO-24 Select-Individual data objects acquisition. as expected		SPT-AO-23 Select-All data objects acquisition.	as expected	
Analysis: Expected results achieved			-	
Analysis: Expected results achieved				
WIGTABID: I HVACCECG TEBRIED GOHIEACR	Analysis:	Expected results achieved		

# **5.2.183 SPT-24 (HTC Tilt2)**

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

#### **5.2.184 SPT-25 (HTC Tilt2)**

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

### **5.2.185 SPT-26 (HTC Tilt2)**

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

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

### **5.2.186 SPT-27 (HTC Tilt2)**

Test Case SPT	-27 XRY v6.3.1	
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 Jun 29 09:08:16 EDT 2012	
Device:	HTC_Tilt2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 09:08:16 EDT 2012 Acquisition finished: Fri Jun 29 09:32:35 EDT 2012 Complete representation of known data via preview pane was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-26 Comparison of known device data elements via preview-pane.	as expected
Analysis:	Expected results achieved	

### **5.2.187 SPT-28 (HTC Tilt2)**

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

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

### 613 **5.2.188 SPT-29 (HTC Tilt2)**

Test Case SPT-	-29 XRY v6.3.1		
Case	SPT-29 After a successful mobile device internal memory, alter the case		
Summary:	file via third-party means and attempt to re-open 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:	Thu Jun 28 14:09:06 EDT 2012		
Device:	HTC_Tilt2		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Thu Jun 28 14:09:06 EDT 2012		
	Acquisition finished: Thu Jun 28 14:10:04 EDT 2012		
	Notification of modified device memory data was succes	stul	
Results:			
results.	Assertion & Expected Result	Actual Result	
	SPT-AO-27 Notification of modified device case data.		
	SPI-AU-2/ NUCLIFICACTOR OF MODIFIED DEVICE Case data.	as expected	
Analysis:	Expected results achieved		

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### 615 **5.2.189 SPT-30 (HTC Tilt2)**

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

Test Case SPT-30 XRY v6.3.1		
Test Date:	Fri Jun 29 09:33:24 EDT 2012	
Device:	HTC_Tilt2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 09:33:24 EDT 2012 Acquisition finished: Fri Jun 29 09:48:20 EDT 2012 Notification of modified SIM data was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-27 Notification of modified device case data.	as expected
Analysis:	Expected results achieved	

### **5.2.190 SPT-31 (HTC Tilt2)**

Test Case SPT	-31 XRY v6.3.1	
Case Summary:	SPT-31 Perform a physical acquisition and review data output for readability.	
Assertions:	SPT-AO-31 If the cellular forensic tool supports a physical acquisition of the target device then the tool shall complete the acquisition without error.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 29 07:30:44 EDT 2012	
Device:	HTC_Tilt2	
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 07:30:44 EDT 2012 Acquisition finished: Fri Jun 29 07:31:16 EDT 2012 Physical Acquisition: readability and completeness was successful	
Results:	Assertion & Expected Result	Actual Result
	SPT-AO-31 Physical acquisition, data is presented in a useable format.	as expected
Analysis:	Expected results achieved	

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# **5.2.191 SPT-32 (HTC Tilt2)**

Test Case SPT	-32 XRY v6.3.1
Case	SPT-32 Perform a physical acquisition and review reports for recoverable
Summary:	deleted data.
Assertions:	SPT-AO-32 If the cellular forensic tool supports the interpretation of address book entries present on the target device then the tool shall report recoverable active and deleted data or address book data remnants in a useable format.  SPT-AO-33 If the cellular forensic tool supports the interpretation of calendar, tasks, or notes present on the target device then the tool shall report recoverable active and deleted calendar, tasks, or note data remnants in a useable format.  SPT-AO-34 If the cellular forensic tool supports the interpretation of call logs present on the target device then the tool shall report recoverable active and deleted call or call log data remnants in a useable format.

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Test Case SPT-32 XRY v6.3.1			
	SPT-AO-35 If the cellular forensic tool supports the interpretation of SMS messages present on the target device then the tool shall report recoverable active and deleted SMS messages or SMS message data remnants in a useable format.  SPT-AO-36 If the cellular forensic tool supports the interpretation of EMS messages present on the target device then the tool shall report recoverable active and deleted EMS messages or EMS message data remnants in a useable format.  SPT-AO-37 If the cellular forensic tool supports the interpretation of audio files present on the target device then the tool shall report recoverable active and deleted audio data or audio file data remnants in a useable format.  SPT-AO-38 If the cellular forensic tool supports the interpretation of graphic files present on the target device then the tool shall report recoverable active and deleted graphic file data or graphic file data remnants in a useable format.  SPT-AO-39 If the cellular forensic tool supports the interpretation of video files present on the target device then the tool shall report recoverable active and deleted video file data or video file data remnants in a useable format.		
Tester Name:	rpa		
Test Host:	Morrigy		
Test Date:	Morrisy Fri Jun 29 07:32:11 EDT 2012		
Device:	HTC Tilt2		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 07:32:11 EDT 2012 Acquisition finished: Fri Jun 29 07:33:32 EDT 2012  Deleted address book entries were not recovered - NA Deleted PIM data was not recovered - NA Deleted Call log data was not recovered - NA Deleted text message data was recovered Deleted audio data was not recovered - NA Deleted graphic data was not recovered - NA Deleted video data was not recovered - NA		
Results:	Assertion & Expected Result	Actual	
	I I I I I I I I I I I I I I I I I I I	Result	
	SPT-AO-32 Physical acquisition, recovery of deleted address book entries.	as expected	
	SPT-AO-33 Physical acquisition, recovery of deleted PIM data.	as expected	
	SPT-A0-34 Physical acquisition, recovery of deleted call logs.	as expected	
	SPT-AO-35 Physical acquisition, recovery of deleted SMS messages.	as expected	
	SPT-AO-36 Physical acquisition, recovery of deleted EMS messages.	as expected	
	SPT-AO-37 Physical acquisition, recovery of deleted stand- alone audio files.  SPT-AO-38 Physical acquisition, recovery of deleted	as expected as expected	
	graphic files.  SPT-AO-39 Physical acquisition, recovery of deleted video files.	as expected	
Analysis:	Expected results achieved		
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### 621 **5.2.192 SPT-33 (HTC Tilt2)**

Test Case SPT-33 XRY v6.3.1

Test Case SPT	-33 XRY v6.3.1	
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 dis ASCII characters then the application should present text m native format.	entries in play of non-
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Thu Jun 28 14:10:31 EDT 2012	
Device:	HTC_Tilt2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 28 14:10:31 EDT 2012 Acquisition finished: Thu Jun 28 14:14:53 EDT 2012	
	Non-ASCII Address book entries were acquired and properly d Non-ASCII text messages were acquired and properly displaye	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-40 Acquisition of non-ASCII address book entries/ADNs.	as expected
	SPT-AO-41 Acquisition of non-ASCII text messages.	as expected
Analysis:	Expected results achieved	

### 623 **5.2.193 SPT-34 (HTC Tilt2)**

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

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

# 625 **5.2.194 SPT-35 (HTC Tilt2)**

Test Case SPT	-35 XRY v6.3.1	
Case Summary:	SPT-35 Begin acquisition on a PIN protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.	
Assertions:	SPT-AO-29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts then the application should provide an accurate count of the remaining PIN attempts.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 29 10:00:56 EDT 2012	
Device:	HTC_Tilt2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 10:00:56 EDT 2012	
	Acquisition finished: Fri Jun 29 10:13:09 EDT 2012  The remaining number of PIN attempts were properly di	splayed
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-29 Display remaining number of PIN attempts.	as expected
Analysis:	Expected results achieved	

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# 627 **5.2.195 SPT-36 (HTC Tilt2)**

Test Case SPT-36 XRY v6.3.1		
Case Summary:	SPT-36 Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.	
Assertions:	SPT-AO-30 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts then the application should provide an accurate count of the remaining PUK attempts.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 29 10:01:13 EDT 2012	
Device:	HTC_Tilt2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Fri Jun 29 10:01:13 EDT 2012	
	Acquisition finished: Fri Jun 29 10:13:26 EDT 2012	
	Remaining number of PUK attempts were properly displa	yed
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-30 Display remaining number of PUK attempts.	as expected
Analysis:	Expected results achieved	

# 628 **5.2.196 SPT-38 (HTC Tilt2)**

Test Case SPT	-38 XRY v6.3.1	
Case	SPT-38 Acquire mobile device internal memory and review hash values for	
Summary:	vendor supported data objects.	
Assertions:		
	data objects then the tool shall present the user with a has	sh value for
	each supported data object.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Thu Jun 28 14:15:19 EDT 2012	
Device:	HTC_Tilt2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 28 14:15:19 EDT 2012 Acquisition finished: Thu Jun 28 14:20:19 EDT 2012  Hash values were properly reported for individually acquired device data elements	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-43 Acquire data, check known hash values for consistency.	as expected
Analysis:	Expected results achieved	

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# 630 **5.2.197 SPT-39 (HTC Tilt2)**

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

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# 632 **5.2.198 SPT-01 (iPhone4 CDMA)**

Test Case SPI	7-01 XRY v6.3.1	
Case	SPT-01 Acquire mobile device internal memory over tool-supported interfaces	
Summary:	(e.g., cable, Bluetooth, IrDA).	
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).  SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane 'or generated report.  SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error.  SPT-CA-30 If a cellular forensic tool provides the user with a "Select All" individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error.  SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object without error.  SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data	
	objects) on the mobile device shall remain consistent.	
Tester	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Mon Jun 25 07:23:05 EDT 2012	
Device:	iPhone4_CDMA	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Mon Jun 25 07:23:05 EDT 2012 Acquisition finished: Mon Jun 25 07:26:57 EDT 2012	
	Device connectivity was established via supported interface	
Results:		T
	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	as expected
	supported reports.	
	SPT-CA-29 Acquire-All data objects acquisition.	as expected
	SPT-CA-30 Select-All data objects acquisition.	as expected
	SPT-CA-31 Select-Individual data objects acquisition.	as expected
	SPT-CA-32 Perform back-to-back acquisitions, check device	as expected
	payload for modifications.	=
Analysis:	Expected results achieved	
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# 634 **5.2.199 SPT-02 (iPhone4 CDMA)**

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

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

# 636 **5.2.200 SPT-03 (iPhone4 CDMA)**

Test Case SPT	-03 XRY v6.3.1	
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 Jun 25 07:47:18 EDT 2012	
Device:	iPhone4_CDMA	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Mon Jun 25 07:47:18 EDT 2012	
	Acquisition finished: Mon Jun 25 08:10:02 EDT 2012	
	Device acquisition disruption notification was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-03 Notification of device acquisition disruption.	as expected
Analysis:	Expected results achieved	

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# 638 **5.2.201 SPT-04 (iPhone4 CDMA)**

Test Case SPI	'-04 XRY v6.3.1
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:	Mon Jun 25 08:13:52 EDT 2012
Device:	iPhone4_CDMA
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by XRY v6.3.1
Highlights:	Acquisition started: Mon Jun 25 08:13:52 EDT 2012

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

# **5.2.202** SPT-05 (iPhone4 CDMA)

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

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# **5.2.203 SPT-06 (iPhone4 CDMA)**

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

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Test Case SPT	-06 XRY v6.3.1	
	entries shall be presented in a useable format.	
	SPT-CA-12 If a cellular forensic tool completes acquisition of	f the target
	device without error then graphics associated with address bo	ok entries
	shall be presented in a useable format.	
	SPT-CA-13 If a cellular forensic tool completes acquisition of	of the target
	device without error then datebook, calendar, note entries sh	
	presented in a useable format.	all be
	SPT-CA-14 If a cellular forensic tool completes acquisition of	f the target
	device without error then maximum length datebook, calendar,	
	shall be presented in a useable format.	noce energes
	Shall be presented in a dseable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jun 25 10:43:29 EDT 2012	
Device:	iPhone4_CDMA	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
_		
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Mon Jun 25 10:43:29 EDT 2012	
	Acquisition finished: Mon Jun 25 10:48:17 EDT 2012	
	All address book entries were successfully acquired	
	ALL PIM related data was acquired	
Results:		
	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.	
	SPT-CA-11 Acquisition of embedded email addresses within	as expected
	address book entries.	
1	address book entries.	
	SPT-CA-12 Acquisition of embedded graphics within address	as expected
		as expected
	SPT-CA-12 Acquisition of embedded graphics within address	as expected as expected
	SPT-CA-12 Acquisition of embedded graphics within address book entries.	
	SPT-CA-12 Acquisition of embedded graphics within address book entries.  SPT-CA-13 Acquisition of PIM data (i.e.,	
	SPT-CA-12 Acquisition of embedded graphics within address book entries.  SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	as expected
Analysis:	SPT-CA-12 Acquisition of embedded graphics within address book entries.  SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	as expected

# 644 **5.2.204 SPT-07 (iPhone4 CDMA)**

Test Case SPT-07 XRY v6.3.1		
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:	Mon Jun 25 12:48:52 EDT 2012	
Device:	iPhone4_CDMA	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	

Test Case SPT	-07 XRY v6.3.1	
Highlights:	Acquisition started: Mon Jun 25 12:48:52 EDT 2012	
	Acquisition finished: Mon Jun 25 12:50:03 EDT 2012	
	All Call Logs (incoming, outgoing, missed) were 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	

# 646 **5.2.205 SPT-08 (iPhone4 CDMA)**

Test Case SPT	-08 XRY v6.3.1	
Case	SPT-08 Acquire mobile device internal memory and review report	ted text
Summary:	messages.	
Assertions:	SPT-CA-17 If a cellular forensic tool completes acquisition of device without error then ASCII text messages (i.e., SMS, EMS presented in a useable format.  SPT-CA-18 If a cellular forensic tool completes acquisition of device without error then the corresponding date/time stamps of messages shall be presented in a useable format.  SPT-CA-19 If a cellular forensic tool completes acquisition of device without error then the corresponding status (i.e., react text messages shall be presented in a useable format.  SPT-CA-20 If a cellular forensic tool completes acquisition of device without error then the corresponding sender / recipient numbers for text messages shall be presented in a useable form	) shall be  f the target for text  f the target d, unread) for  f the target t phone
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 26 07:25:56 EDT 2012	
Device:	iPhone4 CDMA	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 26 07:25:56 EDT 2012 Acquisition finished: Tue Jun 26 07:27:31 EDT 2012  ALL text messages (SMS, EMS) were acquired Correct date/time stamps were reported for all text messages Correct status flags were reported for all text messages Sender and Recipient phone numbers associated with text message correctly reported	ges were
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-17 Acquisition of text messages.	as expected
	SPT-CA-18 Acquisition of text message date/time stamps.	as expected
	SPT-CA-19 Acquisition of text message status flags.	as expected
	SPT-CA-20 Acquisition of sender/recipient phone number	as expected
	associated with text messages.	_
Analysis:	Expected results achieved	

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# 649 **5.2.206 SPT-09 (iPhone4 CDMA)**

Test Case SPT	-09 XRY v6.3.1	
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 Jun 26 07:28:16 EDT 2012	
Device:	iPhone4_CDMA	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jun 26 07:28:16 EDT 2012 Acquisition finished: Tue Jun 26 07:48:34 EDT 2012  ALL MMS messages (Audio, Image, Video) were acquired	
Results:		
nesares.	Assertion & Expected Result	Actual Result
	SPT-CA-21 Acquisition of audio MMS messages.	as expected
	SPT-CA-22 Acquisition of graphic data image MMS messages.	as expected
	SPT-CA-23 Acquisition of video MMS messages.	as expected
Analysis:	Expected results achieved	

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# 651 **5.2.207 SPT-10 (iPhone4 CDMA)**

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

Test Case SPT-10 XRY v6.3.1			
	ALL stand-alone data files (Audio, Image, Video) were	acquired	
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-24 Acquisition of stand-alone audio files.	as expected	
	SPT-CA-25 Acquisition of stand-alone graphic files.	as expected	
	SPT-CA-26 Acquisition of stand-alone video files.	as expected	
Analysis:	Expected results achieved		

# 653 **5.2.208 SPT-11 (iPhone4 CDMA)**

Test Case SP	r-11 XRY v6.3.1	
Case Summary:	SPT-11 Acquire mobile device internal memory and rev data (i.e., word documents, spreadsheet, presentatio	
Assertions:	SPT-CA-27 If a cellular forensic tool completes acquired without error then device specific application acquired and presented in a useable format via eithe application or suggested third-party application.	n related data shall be
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 26 12:36:18 EDT 2012	
Device:	iPhone4_CDMA	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 26 12:36:18 EDT 2012	
HIGHIIGHUS.	Acquisition finished: Tue Jun 26 12:57:32 EDT 2012	
	All application data was acquired	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-27 Acquisition of application related data.	as expected
Analysis:	Expected results achieved	

#### 654

# 655 **5.2.209 SPT-12 (iPhone4 CDMA)**

Test Case SPT	-12 XRY v6.3.1
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 Jun 26 12:57:57 EDT 2012
Device:	iPhone4_CDMA
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 26 12:57:57 EDT 2012 Acquisition finished: Tue Jun 26 13:15:08 EDT 2012

Test Case SPT-12 XRY v6.3.1			
	All Internet related data was acquired		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-28 Acquisition of Internet related data.	as expected	
Analysis:	Expected results achieved		

# 657 **5.2.210 SPT-13 (iPhone4 CDMA)**

Test Case SPT	-13 XRY v6.3.1		
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 Jun 26 13:15:38 EDT 2012		
Device:	iPhone4_CDMA		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 26 13:15:38 EDT 2012 Acquisition finished: Tue Jun 26 13:28:27 EDT 2012 Acquire All acquisition was successful		
Results:			
	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		

### 658

# 659 **5.2.211 SPT-24 (iPhone4 CDMA)**

Test Case SPI	2-24 XRY v6.3.1
Case SPT-24 Acquire mobile device internal memory and review reported dat	
Summary:	supported generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format via supported generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 26 13:31:13 EDT 2012
Device:	iPhone4_CDMA
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by XRY v6.3.1
Highlights:	Acquisition started: Tue Jun 26 13:31:13 EDT 2012

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

# 661 **5.2.212 SPT-25 (iPhone4 CDMA)**

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	-25 XRY v6.3.1	
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 Jun 26 13:36:06 EDT 2012	
Device:	iPhone4_CDMA	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jun 26 13:36:06 EDT 2012	
	Acquisition finished: Tue Jun 26 13:48:07 EDT 2012	
	Complete representation of known data via preview pane was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-26 Comparison of known device data elements via	as expected
	preview-pane.	_
Analysis:	Expected results achieved	

### 662

# 663 **5.2.213 SPT-29 (iPhone4 CDMA)**

Test Case SPT	-29 XRY v6.3.1
Case	SPT-29 After a successful mobile device internal memory, alter the case
Summary:	file via third-party means and attempt to re-open the case.
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via
	third-party means then the tool shall provide protection mechanisms
	disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 26 13:48:37 EDT 2012
Device:	iPhone4_CDMA
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by XRY v6.3.1
Highlights:	Acquisition started: Tue Jun 26 13:48:37 EDT 2012
	Acquisition finished: Tue Jun 26 13:52:32 EDT 2012
	Notification of modified device memory data was successful

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

### **5.2.214 SPT-31 (iPhone4 CDMA)**

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Test Case SPT	-31 XRY v6.3.1	
Case	SPT-31 Perform a physical acquisition and review data output for	
Summary:	readability.	
Assertions:	SPT-AO-31 If the cellular forensic tool supports a physical acquisition of the target device then the tool shall complete the acquisition without error.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jun 25 10:15:11 EDT 2012	
Device:	iPhone4_CDMA	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jun 25 10:15:11 EDT 2012 Acquisition finished: Mon Jun 25 10:20:17 EDT 2012 Physical Acquisition: readability and completeness was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-31 Physical acquisition, data is presented in a useable format.	as expected
Analysis:	Expected results achieved	

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# **5.2.215 SPT-32 (iPhone4 CDMA)**

	·
Test Case SPT	r-32 XRY v6.3.1
Case	SPT-32 Perform a physical acquisition and review reports for recoverable
Summary:	deleted data.
Assertions:	SPT-AO-32 If the cellular forensic tool supports the interpretation of address book entries present on the target device then the tool shall report recoverable active and deleted data or address book data remnants in a useable format.  SPT-AO-33 If the cellular forensic tool supports the interpretation of calendar, tasks, or notes present on the target device then the tool shall report recoverable active and deleted calendar, tasks, or note data remnants in a useable format.  SPT-AO-34 If the cellular forensic tool supports the interpretation of call logs present on the target device then the tool shall report recoverable active and deleted call or call log data remnants in a useable format.  SPT-AO-35 If the cellular forensic tool supports the interpretation of SMS messages present on the target device then the tool shall report recoverable active and deleted SMS messages or SMS message data remnants in a useable format.  SPT-AO-36 If the cellular forensic tool supports the interpretation of EMS messages present on the target device then the tool shall report recoverable active and deleted EMS messages or EMS message data remnants in a useable format.  SPT-AO-37 If the cellular forensic tool supports the interpretation of audio files present on the target device then the tool shall report

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Test Case SPT-32 XRY v6.3.1		
	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 interpr	otation of
	video files present on the target device then the tool shall	
	recoverable active and deleted video file data or video file	
	in a useable format.	data reministr
Tester	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Mon Jun 25 10:20:55 EDT 2012	
Device:	iPhone4_CDMA	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Log Highlights:	Acquisition started: Mon Jun 25 10:20:55 EDT 2012	
Highlights.	Acquisition finished: Mon Jun 25 10:26:53 EDT 2012	
	Acquisicion finished. Mon oun 23 10.20.33 EDI 2012	
	Deleted address book entries were not recovered	
	Deleted PIM data was partially recovered	
	Deleted Call log data was recovered	
	Deleted text message data was recovered	
	Deleted audio data was not recovered - NA	
	Deleted graphic data was not recovered - NA	
	Deleted video data was not recovered - NA	
	Notes: Deleted calendar entries were not recovered.	
Results:		
RCBGICD.	Assertion & Expected Result	Actual
		Result
	SPT-AO-32 Physical acquisition, recovery of deleted	Not as
	address book entries.	expected
	SPT-AO-33 Physical acquisition, recovery of deleted PIM	Partial
	data.	
	SPT-AO-34 Physical acquisition, recovery of deleted call	as expected
	logs.	
	SPT-AO-35 Physical acquisition, recovery of deleted SMS	as expected
	messages.	
	SPT-AO-36 Physical acquisition, recovery of deleted EMS	as expected
	messages.	
	SPT-AO-37 Physical acquisition, recovery of deleted stand- alone audio files.	as expected
	SPT-AO-38 Physical acquisition, recovery of deleted	as expected
	graphic files.	as expected
	SPT-AO-39 Physical acquisition, recovery of deleted video	as expected
	files.	C
	<u> </u>	
Analysis:	Expected results partially achieved	

# **5.2.216 SPT-33 (iPhone4 CDMA)**

Test Case SPT-33 XRY v6.3.1		
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.	

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Test Case SPT	-33 XRY v6.3.1	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 26 13:54:14 EDT 2012	
Device:	iPhone4_CDMA	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 26 13:54:14 EDT 2012 Acquisition finished: Tue Jun 26 14:10:25 EDT 2012 Non-ASCII Address book entries were acquired and proper Non-ASCII text messages were acquired and properly disp	
Results:	Assertion & Expected Result  SPT-AO-40 Acquisition of non-ASCII address book	Actual Result as expected
	entries/ADNs.  SPT-AO-41 Acquisition of non-ASCII text messages.	as expected
Analysis:	Expected results achieved	

# **5.2.217 SPT-38 (iPhone4 CDMA)**

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

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# 673 **5.2.218 SPT-40 (iPhone4 CDMA)**

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

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Test Case SPT	-40 XRY v6.3.1	
	coordinates for all GPS-related data in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 26 14:18:40 EDT 2012	
Device:	iPhone4_CDMA	
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 26 14:18:40 EDT 2012 Acquisition finished: Tue Jun 26 14:22:26 EDT 2012  GPS Coordinate data was successfully acquired	
Results:	Assertion & Expected Result  SPT-AO-44 Acquire data, check GPS data for consistency.	Actual Result
	SFI-AO-44 Acquire data, check GPS data for consistency.	as expected
Analysis:	Expected results achieved	

# 675 **5.2.219 SPT-01 (HTC Thunderbolt)**

Test Case SPT	'-01 XRY v6.3.1		
Case	SPT-01 Acquire mobile device internal memory over tool-support	ted interfaces	
Summary:	(e.g., cable, Bluetooth, IrDA).		
Assertions:			
Tester	rpa		
Name:			
Test Host:	Morrisy		
Test Date:	Wed Jun 27 07:24:28 EDT 2012		
Device:	HTC_Thunderbolt		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 07:24:28 EDT 2012 Acquisition finished: Wed Jun 27 08:08:25 EDT 2012 Device connectivity was established via supported interface		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-01 Device connectivity via supported interfaces.	as expected	
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected	

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

# **5.2.220 SPT-02 (HTC Thunderbolt)**

Test Case SPT	-02 XRY v6.3.1		
Case	SPT-02 Attempt internal memory acquisition of a nonsupported mobile device.		
Summary:			
Assertions:			
	device then the tool shall notify the user that the	device is not	
	supported.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Wed Jun 27 08:09:04 EDT 2012		
Device:	unsupported_device		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
T	Greeked has MDM as C 2 1		
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 08:09:04 EDT 2012		
HIGHIIIGHUS.	Acquisition finished: Wed Jun 27 08:31:08 EDT 2012		
	Acquisicion finished. Wed buil 27 08:31:08 EDI 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		

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# **5.2.221 SPT-03 (HTC Thunderbolt)**

Test Case SPT-03 XRY v6.3.1		
Case Summary:	SPT-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.	
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted then the tool shall notify the user that connectivity habeen disrupted.	.s
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 27 08:31:28 EDT 2012	
Device:	HTC_Thunderbolt	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Wed Jun 27 08:31:28 EDT 2012	
	Acquisition finished: Wed Jun 27 08:53:13 EDT 2012	
	Device acquisition disruption notification was successful	
Results:		
	Assertion & Expected Result Actual Result	]
	SPT-CA-03 Notification of device acquisition disruption. as expected	]

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

# **5.2.222 SPT-04 (HTC Thunderbolt)**

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

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# 683 **5.2.223 SPT-05 (HTC Thunderbolt)**

	,		
Test Case SPT	Test Case SPT-05 XRY v6.3.1		
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:	Wed Jun 27 09:35:25 EDT 2012		
Device:	HTC_Thunderbolt		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 09:35:25 H	EDT 2012	
	Acquisition finished: Wed Jun 27 09:58:46	EDT 2012	
	IMEI, MEID/ESN were acquired		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-05 Acquisition of MSISDN, IMSI.	as expected	

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

# 685 **5.2.224 SPT-06 (HTC Thunderbolt)**

Test Case SPT	-06 XRY v6.3.1	
Case	SPT-06 Acquire mobile device internal memory and review repor	ted 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 o device without error then address book entries containing bla be presented in a useable format.	nk names shall
	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 o device without error then datebook, calendar, note entries sh presented in a useable format.	
	SPT-CA-14 If a cellular forensic tool completes acquisition o device without error then maximum length datebook, calendar, shall be presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 27 09:59:16 EDT 2012	
Device:	HTC_Thunderbolt	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 09:59:16 EDT 2012 Acquisition finished: Wed Jun 27 10:08:09 EDT 2012	
	All address book entries were successfully acquired ALL PIM related data was acquired	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-07 Acquisition of address book entries.	as expected
	SPT-CA-08 Acquisition of maximum length address book entries.	as expected
	SPT-CA-09 Acquisition of address book entries containing special characters.	as expected
	SPT-CA-10 Acquisition of address book entries containing a blank name entry.  SPT-CA-11 Acquisition of embedded email addresses within	as expected as expected
	address book entries.  SPT-CA-12 Acquisition of embedded graphics within address	as expected
	book entries.  SPT-CA-13 Acquisition of PIM data (i.e.,	_
	datebook/calendar, notes).  SPT-CA-14 Acquisition of maximum length PIM data.	as expected
	SFI-CA-14 ACQUISICION OF MAXIMUM TENGEN FIM data.	as expected

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

# **5.2.225 SPT-07 (HTC Thunderbolt)**

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

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# 689 **5.2.226 SPT-08 (HTC Thunderbolt)**

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

Test Case SPT-08 XRY v6.3.1			
ALL text messages (SMS, EMS) were acquired  Correct date/time stamps were reported for all text messages  Correct status flags were reported for all text messages  Sender and Recipient phone numbers associated with text messages were correctly reported			
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-17 Acquisition of text messages.	as expected	
	SPT-CA-18 Acquisition of text message date/time stamps.	as expected	
	SPT-CA-19 Acquisition of text message status flags.	as expected	
	SPT-CA-20 Acquisition of sender/recipient phone number	as expected	
	associated with text messages.		
Analysis:	Expected results achieved		

# 691 **5.2.227 SPT-09 (HTC Thunderbolt)**

Test Case SPT	-09 XRY v6.3.1		
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:	Wed Jun 27 12:07:07 EDT 2012		
Device:	HTC_Thunderbolt		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 12:07:07 EDT 2012 Acquisition finished: Wed Jun 27 12:19:08 EDT 2012 ALL MMS messages (Audio, Image, Video) were acquired		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-21 Acquisition of audio MMS messages.	as expected	
	SPT-CA-22 Acquisition of graphic data image MMS messages.	as expected	
	SPT-CA-23 Acquisition of video MMS messages.	as expected	
Analysis:	Expected results achieved		

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# 693 **5.2.228 SPT-10 (HTC Thunderbolt)**

Test Case SPT-10 XRY v6.3.1		
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	

Test Case SPI	7-10 XRY v6.3.1	
	useable format via either an internal application or application.  SPT-CA-25 If a cellular forensic tool completes acquidevice without error then stand-alone graphic files suseable format via either an internal application or application.  SPT-CA-26 If a cellular forensic tool completes acquidevice without error then stand-alone video files shauseable format via either an internal application or application.	sition of the target hall be presented in a suggested third-party sition of the target 11 be presented in a
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 27 12:19:47 EDT 2012	
Device:	HTC_Thunderbolt	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 12:19:47 EDT 2012 Acquisition finished: Wed Jun 27 12:32:54 EDT 2012 ALL stand-alone data files (Audio, Image, Video) were	acquired
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-24 Acquisition of stand-alone audio files.	as expected
	SPT-CA-25 Acquisition of stand-alone graphic files.	as expected
	SPT-CA-26 Acquisition of stand-alone video files.	as expected
Analysis:	Expected results achieved	

# 695 **5.2.229 SPT-11 (HTC Thunderbolt)**

Test Case SP	r-11 XRY v6.3.1	
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:	Wed Jun 27 12:33:19 EDT 2012	
Device:	HTC_Thunderbolt	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Wed Jun 27 12:33:19 EDT 2012	
	Acquisition finished: Wed Jun 27 13:03:28 EDT 2012	
	All application data was acquired	
Results:		
	Assertion & Expected Result Actual Result	
	SPT-CA-27 Acquisition of application related data. as expected	
Analysis:	Expected results achieved	

# 697 **5.2.230 SPT-12 (HTC Thunderbolt)**

Test Case SPT	-12 XRY v6.3.1	
Case Summary:	SPT-12 Acquire mobile device internal memory and review Internet related data (i.e., bookmarks, visited sites.	
Assertions:	SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 27 13:03:50 EDT 2012	
Device:	HTC_Thunderbolt	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 13:03:50 EDT 2012 Acquisition finished: Wed Jun 27 13:38:59 EDT 2012	
	All Internet related data was acquired	
Results:		
	Assertion & Expected Result Actual Result	
	SPT-CA-28 Acquisition of Internet related data. as expected	
Analysis:	Expected results achieved	

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# 699 **5.2.231 SPT-13 (HTC Thunderbolt)**

Tost Cose Com	12 VDV **C 2 1	
	-13 XRY v6.3.1	
Case	SPT-13 Acquire mobile device internal memory by selecting a combination o	
Summary:	supported data elements.	
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user All" device data objects acquisition option then the to the acquisition of all data objects without error.  SPT-CA-30 If a cellular forensic tool provides the user	ol shall complete
	All" individual device data objects then the tool shall 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 acquire each exclusive data object without error.	complete the ithout error. with the ability
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 27 13:39:18 EDT 2012	
Device:	HTC_Thunderbolt	
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 13:39:18 EDT 2012 Acquisition finished: Wed Jun 27 13:50:24 EDT 2012 Acquire All acquisition was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-29 Acquire-All data objects acquisition.	as expected
	SPT-CA-30 Select-All data objects acquisition.	as expected
	SPT-CA-31 Select-Individual data objects acquisition.	as expected
Analysis:	Expected results achieved	

# **5.2.232 SPT-24 (HTC Thunderbolt)**

Test Case SPT	-24 XRY v6.3.1	
Case	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:	Wed Jun 27 14:04:12 EDT 2012	
Device:	HTC_Thunderbolt	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Wed Jun 27 14:04:12 EDT 2012	
	Acquisition finished: Wed Jun 27 14:06:19 EDT 2012	
	Complete representation of known data via generated reports	was successful
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-25 Comparison of known device data elements via	as expected
	generated reports.	
Analysis:	Expected results achieved	

# **5.2.233 SPT-25 (HTC Thunderbolt)**

Test Case SPT	-25 XRY v6.3.1	
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	
	device without error then the tool shall present the acquire	ed data in a
	useable format in a preview pane 'view.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 27 14:06:50 EDT 2012	
Device:	HTC_Thunderbolt	•
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Wed Jun 27 14:06:50 EDT 2012	
	Acquisition finished: Wed Jun 27 14:10:19 EDT 2012	
	Complete representation of known data via preview pane 'was	successful
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-26 Comparison of known device data elements via	as expected
	preview-pane.	
Analysis:	Expected results achieved	

# 706 **5.2.234 SPT-29 (HTC Thunderbolt)**

Test Case SPT	-29 XRY v6.3.1		
Case	SPT-29 After a successful mobile device internal memor	y, alter the case	
Summary:	file via third-party means and attempt to re-open the	case.	
Assertions:	SPT-AO-27 If the case file or individual data objects are modified via		
	third-party means then the tool shall provide protection mechanisms		
	disallowing or reporting data modification.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Wed Jun 27 14:10:50 EDT 2012		
Device:	HTC_Thunderbolt		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Wed Jun 27 14:10:50 EDT 2012		
	Acquisition finished: Wed Jun 27 14:12:34 EDT 2012		
	Notification of modified device memory data was succes	stul	
D 1 + •			
Results:	Resortion C Remorted Result	Actual Result	
	Assertion & Expected Result		
	SPT-AO-27 Notification of modified device case data.	as expected	
Analysis:	Expected results achieved		

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### 708 **5.2.235 SPT-33 (HTC Thunderbolt)**

Test Case SPT-33 XRY v6.3.1				
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 characters then the application should present address bot their native format.  SPT-AO-41 If the cellular forensic tool supports proper d: ASCII characters then the application should present text native format.	ok entries in isplay of non-		
Tester Name:	rpa			
Test Host:	Morrisy			
Test Date:	Wed Jun 27 14:13:02 EDT 2012			
Device:	HTC_Thunderbolt			
Source	OS: WIN XP v5.1.2600			
Setup:	Interface: cable			
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 14:13:02 EDT 2012 Acquisition finished: Wed Jun 27 14:14:16 EDT 2012  Non-ASCII Address book entries were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed			
Results:				
	Assertion & Expected Result	Actual Result		
	SPT-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			

# 710 **5.2.236 SPT-38 (HTC Thunderbolt)**

Test Case SPT	-38 XRY v6.3.1		
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 data objects then the tool shall present the user with a haleach supported data object.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Wed Jun 27 14:15:16 EDT 2012		
Device:	HTC_Thunderbolt		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 14:15:16 EDT 2012 Acquisition finished: Wed Jun 27 14:17:15 EDT 2012  Hash values were properly reported for individually acquired device data elements		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-43 Acquire data, check known hash values for consistency.	as expected	
Analysis:	Expected results achieved		

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# 712 **5.2.237 SPT-40 (HTC Thunderbolt)**

Test Case SPT-40 XRY v6.3.1				
Case	SPT-40 Acquire mobile device internal memory and review data containing GPS			
Summary:	longitude and latitude coordinates.			
Assertions:	SPT-A0-44 If the cellular forensic tool supports acquisition of GPS data			
	then the tool shall present the user with the longitude and latitude			
	coordinates for all GPS-related data in a useable format.			
Tester Name:	rpa			
Test Host:	Morrisy			
Test Date:	Wed Jun 27 14:17:39 EDT 2012			
Device:	HTC Thunderbolt			
Source	OS: WIN XP v5.1.2600			
Setup:	Interface: cable			
Beeup.	Intellace. Capie			
Log	Created by XRY v6.3.1			
Highlights:	Acquisition started: Wed Jun 27 14:17:39 EDT 2012			
	Acquisition finished: Wed Jun 27 14:22:39 EDT 2012			
	GPS Coordinate data was successfully acquired			
Results:				
TICBULES.	Assertion & Expected Result	Actual Result		
	SPT-AO-44 Acquire data, check GPS data for consistency.	as expected		
		· · · · · · · · · · · · · · · · · · ·		
Analysis:	Expected results achieved	<u> </u>		

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#### **About the National Institute of Justice**

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

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

#### **Strategic Goals**

NIJ has seven strategic goals grouped into three categories:

#### Creating relevant knowledge and tools

- 1. Partner with state and local practitioners and policymakers to identify social science research and technology needs.
- 2. Create scientific, relevant, and reliable knowledge—with a particular emphasis on terrorism, violent crime, drugs and crime, cost-effectiveness, and community-based efforts—to enhance the administration of justice and public safety.
- 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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In addressing these strategic challenges, the Institute is involved in the following program areas: crime control and prevention, including policing; drugs and crime; justice systems and offender behavior, including corrections; violence and victimization; communications and information technologies; critical incident response; investigative and forensic sciences, including DNA; less-than-lethal technologies; officer protection; education and training technologies; testing and standards; technology assistance to law enforcement and corrections agencies; field testing of promising programs; and international crime control.

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