XRY 5.0.2



	NIJ
Special	REPORT
Test Results for Mobile Device Acquisition Tool:	

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## John H. Laub

Director, National Institute of Justice

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## Introduction

The Computer Forensics Tool Testing (CFTT) program is a joint project of the National Institute of Justice (NIJ), the department of Homeland Security (DHS), and the National Institute of Standards and Technology Office of Law Enforcement Standards (OLES) and Information Technology Laboratory (ITL). CFTT is supported by other organizations, including the Federal Bureau of Investigation, the U.S. Department of Defense Cyber Crime Center, U.S. Internal Revenue Service Criminal Investigation Division Electronic Crimes Program, and the U.S. Department of Homeland Security's Bureau of Immigration and Customs Enforcement, U.S. Customs and Border Protection and U.S. Secret Service. The objective of the CFTT program is to provide measurable assurance to practitioners, researchers, and other applicable users that the tools used in computer forensics investigations provide accurate results. Accomplishing this requires the development of specifications and test methods for computer forensics tools and subsequent testing of specific tools against those specifications.

Test results provide the information necessary for developers to improve tools, users to make informed choices, and the legal community and others to understand the tools' capabilities. This 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 (<a href="http://www.cftt.nist.gov/">http://www.cftt.nist.gov/</a>) are available for review and comment by the computer forensics community.

This document reports the results from testing XRY, version 5.0.2, against the *Smart Phone Tool Test Assertions and Test Plan*, available at the CFTT Web site (www.cftt.nist.gov/mobile\_devices.htm).

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

page, <a href="http://www.ojp.usdoj.gov/nij/topics/technology/electronic-crime/cftt.htm">http://www.ojp.usdoj.gov/nij/topics/technology/electronic-crime/cftt.htm</a>.

# **How to Read This Report**

This report is divided into five sections. The first section is a summary of the results from the test runs. This section is sufficient for most readers to assess the suitability of the tool for the intended use. The remaining sections of the report describe how the tests were conducted and provide documentation of test case run details that support the report summary. Sections 2 and 3 provide justification for the selection of test cases and assertions from the set of possible cases defined in the test plan for smart phone forensic tools. The test cases are selected, in general, based on features offered by the tool. Section 4 lists the hardware and software used to run the test cases. Section 5 contains a

description of each test case, test assertions used in the test case, the expected result and the actual result.

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

Tool Tested: Micro Systemation XRY/XACT

Version: 5.0.2

Run Environment: Windows XP Service Pack 2

Supplier: MSAB INC

Address: House of Sweden, 2900 K-Street NW, Suite 501, Washington DC,

20007

Tel: 202-536-1590 Fax: 888-395-9027

WWW: http://www.msab.com

# 1 Results Summary

Except for the following test cases: SPT-03 (iPhone 3Gs), SPT-31 (iPhone 3Gs), SPT-07 (Blackberry Bold 9700), SPT-09 (Blackberry Bold 9700, Blackberry 9630), SPT-32 (HTC Touch Pro 2), SPT-10 (Blackberry 9630) the tested tool acquired all supported data objects completely and accurately from the selected test mobile devices (i.e., iPhone 3Gs, Blackberry Bold 9700, Nokia e71x, HTC Touch Pro 2, Blackberry 9630). The exceptions were the following:

- Notification of device acquisition disruption was not successful. Test Case: SPT-03 (iPhone 3Gs)
- Physical acquisition ended in errors. Test Case: SPT-31 (iPhone 2G)
- Acquisition of call log data was not successful. Test Case: SPT-07 (Blackberry Bold 9700)
- Acquisition of MMS-related data was not successful. Test Case: SPT-09 (Blackberry Bold 9700, Blackberry 9630)
- Recovery of deleted SMS and EMS messages was not successful. Test Case:
   SPT-32 (HTC Touch Pro 2)
- Video files are not acquired. Test Case: SPT-10 (Blackberry 9630)

## 2 Test Case Selection

Test cases used to test mobile device acquisition tools are defined in *Smart Phone Tool Test Assertions and Test Plan Version 1.0*. To test a tool, test cases are selected from the *Test Plan* document based on the features offered by the tool. Not all test cases or test assertions are appropriate for all tools. There is a core set of bases cases that are executed for every tool tested. Tool features guide the selection of additional test cases. If a given tool implements a given feature then the test cases linked to that feature are run. Tables (1a-1e) list the test cases available in XRY. Tables (2a-2e) list the test cases not available in XRY.

Table 1a: Selected Test Cases (iPhone 3Gs)

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

Supported Test Cases	Cases Selected for Execution
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.	
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 readability.	SPT-31
Acquire mobile device internal memory and review data	SPT-33
containing non-ASCII characters.	GDT 0.4
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.	

# Table 2a: Omitted Test Cases (iPhone 3Gs)

Unsupported Test Cases	Cases omitted - not executed
Acquire mobile device internal memory and review application related	SPT-11
data (i.e., word documents, spreadsheet, presentation documents).	
Perform a physical acquisition and review 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 SIM memory and review hash values for vendor supported	SPT-39
data objects.	
Acquire mobile device internal memory and review data containing	SPT-40
GPS longitude and latitude coordinates.	

Table 1b: Selected Test Cases (BlackBerry Bold 9700)

Supported Test Cases	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 non-supported 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 Dialing Numbers (ADN).	SPT-18
Acquire SIM memory and review reported Last Numbers	SPT-19
Dialed (LND).	31 1-19
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.	
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.	

Supported Test Cases	Cases Selected for Execution
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.	

## Table 2b: Omitted Test Cases (BlackBerry Bold 9700)

Unsupported Test Cases	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 SIM memory and review hash values for vendor supported	SPT-39
data objects.	
Acquire mobile device internal memory and review data containing	SPT-40
GPS longitude and latitude coordinates.	

## Table 1c: Selected Test Cases (Nokia e71x)

Supported Test Cases	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 non-supported 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

Supported Test Cases	Cases Selected for Execution
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.	
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.	

Table 2c: Omitted Test Cases (Nokia e71x)

Unsupported Test Cases	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 SIM memory and review hash values for vendor supported	SPT-39
data objects.	
Acquire mobile device internal memory and review data containing	SPT-40
GPS longitude and latitude coordinates.	

**Table 1d: Selected Test Cases (HTC Touch Pro 2)** 

Supported Test Cases	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.	

**Table 2d: Omitted Test Cases (HTC Touch Pro 2)** 

Table 2d: Omitted Test Cases (HTC Touch Pro 2)	
Unsupported Test Cases	Cases
	omitted - not executed
Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	SPT-14
Attempt acquisition of a non-supported 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.	
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.	CDT CZ
Perform a stand-alone mobile device internal memory acquisition and	SPT-37
review the status flags for text messages present on the SIM.	CDT 20
Acquire SIM memory and review hash values for vendor supported data	SPT-39
objects.	CDT 40
Acquire mobile device internal memory and review data containing GPS	SPT-40
longitude and latitude coordinates.	

Table 1e: Selected Test Cases (Blackberry 9630)

Supported Test Cases	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 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.	
Acquire mobile device internal memory and	SPT-33
review data containing non-ASCII characters.	
Acquire mobile device internal memory and	SPT-38
review hash values for vendor supported data	
objects.	

Table 2e: Omitted Test Cases (Blackberry 9630)

Unsupported Test Cases	Cases omitted - not executed
Acquire mobile device internal memory and review Internet related data	SPT-12
(i.e., bookmarks, visited sites.	
Acquire SIM memory over supported interfaces (e.g., PC/SC reader).	SPT-14
Attempt acquisition of a non-supported SIM.	SPT-15
Begin SIM acquisition and interrupt connectivity by interface	SPT-16
disengagement.	
Acquire SIM memory and review reported subscriber and equipment related information (i.e., SPN, ICCID, IMSI, MSISDN).	SPT-17
Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).	SPT-18
Acquire SIM memory and review reported Last Numbers Dialed (LND).	SPT-19
Acquire SIM memory and review reported text messages (SMS, EMS).	SPT-20
Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).	SPT-21
Acquire SIM memory and review reported location related data (i.e., LOCI, GPRSLOCI).	SPT-22
Acquire SIM memory by selecting a combination of supported data elements.	SPT-23
Acquire SIM memory and review reported data via supported generated report formats.	SPT-26
Acquire SIM memory and review reported data via the preview-pane.	SPT-27
Attempt acquisition of a password-protected SIM.	SPT-28

Unsupported Test Cases	Cases omitted - not executed
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
determine if the tool provides an accurate count of the remaining number	
of PUK attempts and if the PUK attempts are decremented when entering	
an incorrect value.	
Perform a stand-alone mobile device internal memory acquisition and	SPT-37
review the status flags for text messages present on the SIM.	
Acquire SIM memory and review hash values for vendor supported data	SPT-39
objects.	
Acquire mobile device internal memory and review data containing GPS	SPT-40
longitude and latitude coordinates.	

# 3 Results by Test Assertion

Tables 3a - 3e summarize the test results by assertion. The column labeled **Assertion** gives 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 the anomaly is discussed.

Table 3a: Assertions Tested: (iPhone 3Gs)

Assertions Tested	Tests	Anomaly
SPT-CA-01 If a cellular forensic tool provides support for connectivity	1	
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-02 If a cellular forensic tool attempts to connect to a non-	1	
supported 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	1	3.1
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	2	
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	1	
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	1	
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	1	
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	1	
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	1	
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	1	
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	1	
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	1	
device without error then graphics associated with address book entries		

Assertions Tested	Tests	Anomaly
shall be presented in a useable format.		
SPT-CA-13 If a cellular forensic tool completes acquisition of the target	1	
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	1	
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	1	
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	1	
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	1	
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	1	
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	1	
device without error then the corresponding status (i.e., read, unread) for		
text messages shall be presented in a useable format.		
SPT-CA-20 If a cellular forensic tool completes acquisition of the target	1	
device without error then the corresponding sender / recipient phone		
numbers for text messages shall be presented in a useable format.		
SPT-CA-21 If a cellular forensic tool completes acquisition of the target	1	
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	1	
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	1	
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	1	
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	1	
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	1	
device without error then stand-alone video files shall be presented in a		
useable format via either an internal application or suggested third-party		

Assertions Tested	Tests	Anomaly
application.		
SPT-CA-28 If a cellular forensic tool completes acquisition of the target	1	
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	2	
"Acquire All" device data objects acquisition option then the tool shall		
complete the acquisition of all data objects 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		
objects) on the mobile device shall remain consistent.		
SPT-AO-01 If a cellular forensic tool provides support for connectivity	2	
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 non-	1	
supported 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	1	
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.		
SPT-AO-05 If a cellular forensic tool completes acquisition of the target	1	
SIM without error then the ICCID shall be presented in a useable		
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	1	
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	1	
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	1	
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	1	
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	1	
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	1	
SIM without error then Last Numbers Dialed (LND) shall be presented		

Assertions Tested	Tests	Anomaly
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		
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		
a useable format.		
SPT-AO-15 If a cellular forensic tool completes acquisition of the target	1	
SIM without error then ASCII EMS text messages shall be presented in		
a useable format.		
SPT-AO-16 If a cellular forensic tool completes acquisition of the target	1	
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	1	
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	1	
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	1	
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	1	
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	1	
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	1	
"Acquire All" SIM data objects acquisition option then the tool shall		
complete the acquisition of all data objects without error.		
SPT-AO-25 If a cellular forensic tool completes acquisition of the target	2	
device / SIM without error then the tool shall present the acquired data		
in a useable format via supported generated report formats.		
SPT-AO-26 If a cellular forensic tool completes acquisition of the target	2	
device / SIM without error then the tool shall present the acquired data		
in a useable format in a preview-pane view.		
SPT-AO-27 If the case file or individual data objects are modified via	2	
third-party means then the tool shall provide protection mechanisms		
disallowing or reporting data modification.		
SPT-AO-28 If the SIM is password-protected then the cellular forensic	1	
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	1	
remaining number of authentication attempts then the application should		

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.		
SPT-AO-31 If the cellular forensic tool supports a physical acquisition	1	3.2
of the target device then the tool shall complete the acquisition without		
error.		
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII	2	
characters then the application should present ADNs in their native		
format.		
SPT-AO-41 If the cellular forensic tool supports proper display of non-	2	
ASCII characters then the application should present text messages in		
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		
their native format.		
SPT-AO-43 If the cellular forensic tool supports hashing for individual	1	
data objects then the tool shall present the user with a hash value for		
each supported data object.		

Table 3b: Assertions Tested: (Blackberry Bold 9700)

Assertions Tested	Tests	Anomaly
SPT-CA-01 If a cellular forensic tool provides support for connectivity	1	
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-02 If a cellular forensic tool attempts to connect to a non-	1	
supported 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	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	2	
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	1	
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	1	
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	1	
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	1	

Assertions Tested	Tests	Anomaly
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	1	
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	1	
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	1	
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	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	1	
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	1	
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	1	3.3
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	1	
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	1	
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	1	
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	1	
device without error then the corresponding status (i.e., read, unread) for		
text messages shall be presented in a useable format.		
SPT-CA-20 If a cellular forensic tool completes acquisition of the target	1	
device without error then the corresponding sender / recipient phone		
numbers for text messages shall be presented in a useable format.		
SPT-CA-21 If a cellular forensic tool completes acquisition of the target	1	3.4
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	1	3.4
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	1	3.4

device without error then MMS messages and associated video shall be		Anomaly
<u> </u>		
presented in a useable format.		
SPT-CA-24 If a cellular forensic tool completes acquisition of the target	1	
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	1	
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	1	
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	1	
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.	2	
SPT-CA-29 If a cellular forensic tool provides the user with an	2	
"Acquire All" device data objects acquisition option then the tool shall		
complete the acquisition of all data objects without error.	1	
SPT-CA-32 If a cellular forensic tool completes two consecutive logical	1	
acquisitions of the target device without error then the payload (data		
objects) on the mobile device shall remain consistent.	2	
SPT-AO-01 If a cellular forensic tool provides support for connectivity	2	
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 non-	1	
supported SIM then the tool shall notify the user that the SIM is not	1	
supported shift their the tool shall hothly the user that the shift is not supported.		
SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM	1	
reader then the tool shall notify the user that connectivity has been	1	
disrupted.		
SPT-AO-04 If a cellular forensic tool completes acquisition of the target	1	
SIM without error then the SPN shall be presented in a useable format.	1	
SPT-AO-05 If a cellular forensic tool completes acquisition of the target	1	
SIM without error then the ICCID shall be presented in a useable		
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	1	
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	1	

Assertions Tested	Tests	Anomaly
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	1	
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	1	
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	1	
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	1	
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	1	
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	1	
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	1	
SIM without error then ASCII EMS text messages shall be presented in		
a useable format.		
SPT-AO-16 If a cellular forensic tool completes acquisition of the target	1	
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	1	
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	1	
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	1	
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	1	
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	1	
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	1	
"Acquire All" SIM data objects acquisition option then the tool shall		
complete the acquisition of all data objects without error.		
SPT-AO-25 If a cellular forensic tool completes acquisition of the target	2	

Assertions Tested	Tests	Anomaly
device / SIM without error then the tool shall present the acquired data		
in a useable format via supported generated report formats.		
SPT-AO-26 If a cellular forensic tool completes acquisition of the target	2	
device / SIM without error then the tool shall present the acquired data		
in a useable format in a preview-pane view.		
SPT-AO-27 If the case file or individual data objects are modified via	2	
third-party means then the tool shall provide protection mechanisms		
disallowing or reporting data modification.		
SPT-AO-28 If the SIM is password-protected then the cellular forensic	1	
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	1	
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	1	
remaining number of PUK attempts then the application should provide		
an accurate count of the remaining PUK attempts.		
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII	2	
characters then the application should present ADNs in their native		
format.		
SPT-AO-41 If the cellular forensic tool supports proper display of non-	2	
ASCII characters then the application should present text messages in		
their native format.		
SPT-AO-43 If the cellular forensic tool supports hashing for individual	1	
data objects then the tool shall present the user with a hash value for		
each supported data object.		

## **Table 3c: Assertions Tested: (Nokia e71x)**

Assertions Tested	Tests	Anomaly
SPT-CA-01 If a cellular forensic tool provides support for connectivity	1	
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-02 If a cellular forensic tool attempts to connect to a non-	1	
supported 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	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	2	
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	1	
device without error then subscriber-related information shall be		

Assertions Tested	Tests	Anomaly
presented in a useable format.		
SPT-CA-06 If a cellular forensic tool completes acquisition of the target	1	
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	1	
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	1	
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	1	
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	1	
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	1	
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	1	
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	1	
device without error then datebook, calendar, note entries shall be	1	
presented in a useable format.		
SPT-CA-14 If a cellular forensic tool completes acquisition of the target	1	
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	1	
device without error then call logs (incoming/outgoing/missed) shall be	1	
presented in a useable format.		
1	1	
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		
duration of the call for call logs shall be presented in a useable format.	1	
SPT-CA-17 If a cellular forensic tool completes acquisition of the target	1	
device without error then ASCII text messages (i.e., SMS, EMS) shall		
be presented in a useable format.	1	
SPT-CA-18 If a cellular forensic tool completes acquisition of the target	1	
device without error then the corresponding date/time stamps for text		
messages shall be presented in a useable format.	1	
SPT-CA-19 If a cellular forensic tool completes acquisition of the target	1	
device without error then the corresponding status (i.e., read, unread) for		
text messages shall be presented in a useable format.		
SPT-CA-20 If a cellular forensic tool completes acquisition of the target	1	
device without error then the corresponding sender / recipient phone		

Assertions Tested	Tests	Anomaly
numbers for text messages shall be presented in a useable format.		
SPT-CA-21 If a cellular forensic tool completes acquisition of the target	1	
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	1	
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	1	
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	1	
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	1	
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	1	
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	1	
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-29 If a cellular forensic tool provides the user with an	2	
"Acquire All" device data objects acquisition option then the tool shall		
complete the acquisition of all data objects 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		
objects) on the mobile device shall remain consistent.		
SPT-AO-01 If a cellular forensic tool provides support for connectivity	2	
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 non-	1	
supported 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	1	
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	1	

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-10 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-15 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-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 correspon	Assertions Tested	Tests	Anomaly
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useable format.  SPT-AO-12 If a cellular forensic tool completes acquisition of the target 1 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 1 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 2 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 2 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 3 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 3 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 1 SIM without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.			
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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 1	SPT-AO-12 If a cellular forensic tool completes acquisition of the target	1	
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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 1		1	
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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  SPT-AO-18 If a cellular forensic tool completes acquisition of the target  1			
SIM without error then ASCII SMS text messages shall be presented in a useable format.  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 1		1	
a useable format.  SPT-AO-15 If a cellular forensic tool completes acquisition of the target 1 SIM without error then ASCII EMS text messages shall be presented in a useable format.  SPT-AO-16 If a cellular forensic tool completes acquisition of the target 1 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 1 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 1	<u> </u>		
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 1			
SIM without error then ASCII EMS text messages shall be presented in a useable format.  SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for all text messages shall be presented in a useable format.  SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.  SPT-AO-18 If a cellular forensic tool completes acquisition of the target 1		1	
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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  1	1		
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 1		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 text messages shall be presented in a useable format.  SPT-AO-18 If a cellular forensic tool completes acquisition of the target  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.  SPT-AO-18 If a cellular forensic tool completes acquisition of the target 1			
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 1		1	
text messages shall be presented in a useable format.  SPT-AO-18 If a cellular forensic tool completes acquisition of the target 1			
SPT-AO-18 If a cellular forensic tool completes acquisition of the target 1			
		1	
Sin without citor then the corresponding sender / recipient phone	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		1	
target SIM without error then deleted text messages that have not been	<u> </u>		
overwritten shall be presented in a useable format.			
SPT-AO-20 If a cellular forensic tool completes acquisition of the target 1		1	
SIM without error then location related data (i.e., LOCI) shall be	1 1		

Assertions Tested	Tests	Anomaly
presented in a useable format.		
SPT-AO-21 If a cellular forensic tool completes acquisition of the target	1	
SIM without error then location related data (i.e., GRPSLOCI) shall be		
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		
complete the acquisition of all data objects without error.		
SPT-AO-25 If a cellular forensic tool completes acquisition of the target	2	
device / SIM without error then the tool shall present the acquired data		
in a useable format via supported generated report formats.		
SPT-AO-26 If a cellular forensic tool completes acquisition of the target	2	
device / SIM without error then the tool shall present the acquired data		
in a useable format in a preview-pane view.		
SPT-AO-27 If the case file or individual data objects are modified via	2	
third-party means then the tool shall provide protection mechanisms		
disallowing or reporting data modification.		
SPT-AO-28 If the SIM is password-protected then the cellular forensic	1	
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	1	
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	1	
remaining number of PUK attempts then the application should provide		
an accurate count of the remaining PUK attempts.		
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII	2	
characters then the application should present ADNs in their native		
format.		
SPT-AO-41 If the cellular forensic tool supports proper display of non-	2	
ASCII characters then the application should present text messages in		
their native format.		
SPT-AO-43 If the cellular forensic tool supports hashing for individual	1	
data objects then the tool shall present the user with a hash value for		
each supported data object.		

**Table 3d: Assertions Tested: (HTC Touch Pro 2)** 

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Assertions Tested	Tests	Anomaly
SPT-CA-01 If a cellular forensic tool provides support for connectivity	1	
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-02 If a cellular forensic tool attempts to connect to a non-	1	
supported 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	1	

Assertions Tested	Tests	Anomaly
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	2	
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	1	
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	1	
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	1	
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	1	
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	1	
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	1	
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	1	
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	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	1	
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	1	
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	1	
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	1	
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	1	
device without error then ASCII text messages (i.e., SMS, EMS) shall		
be presented in a useable format.		

Assertions Tested	Tests	Anomaly
SPT-CA-18 If a cellular forensic tool completes acquisition of the target	1	
device without error then the corresponding date/time stamps for text		
messages shall be presented in a useable format.		
SPT-CA-19 If a cellular forensic tool completes acquisition of the target	1	
device without error then the corresponding status (i.e., read, unread) for		
text messages shall be presented in a useable format.		
SPT-CA-20 If a cellular forensic tool completes acquisition of the target	1	
device without error then the corresponding sender / recipient phone		
numbers for text messages shall be presented in a useable format.		
SPT-CA-21 If a cellular forensic tool completes acquisition of the target	1	
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	1	
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	1	
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	1	
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	1	
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	1	
device without error then stand-alone video files shall be presented in a		
useable format via either an internal application or suggested third-party		
application.	1	
SPT-CA-27 If a cellular forensic tool completes acquisition of the target	1	
device without error then device specific application related data shall		
be acquired and presented in a useable format via either an internal		
application or suggested third-party application.	1	
SPT-CA-28 If a cellular forensic tool completes acquisition of the target	1	
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.	2	
SPT-CA-29 If a cellular forensic tool provides the user with an	2	
"Acquire All" device data objects acquisition option then the tool shall		
complete the acquisition of all data objects without error.	1	
SPT-CA-32 If a cellular forensic tool completes two consecutive logical	1	
acquisitions of the target device without error then the payload (data		
objects) on the mobile device shall remain consistent.	1	
SPT-AO-25 If a cellular forensic tool completes acquisition of the target	1	

Assertions Tested	Tests	Anomaly
device without error then the tool shall present the acquired data in a		
useable format via supported generated report formats.		
SPT-AO-26 If a cellular forensic tool completes acquisition of the target	1	
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	1	
third-party means then the tool shall provide protection mechanisms		
disallowing or reporting data modification.		
SPT-AO-31 If the cellular forensic tool supports a physical acquisition	1	
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	1	
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	1	
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	1	
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	1	3.5
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	1	3.5
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	1	
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	1	
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	1	
video files present on the target device then the tool shall report		
recoverable active and deleted video file data or video file data remnants		
in a useable format.		
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII	1	
characters then the application should present address book entries in		

Assertions Tested	Tests	Anomaly
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		
their native format.		
SPT-AO-43 If the cellular forensic tool supports hashing for individual	1	
data objects then the tool shall present the user with a hash value for		
each supported data object.		

Table 3e: Assertions Tested: (Blackberry 9630)

Assertions Tested	Tests	Anomaly
SPT-CA-01 If a cellular forensic tool provides support for connectivity	1	
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-02 If a cellular forensic tool attempts to connect to a non-	1	
supported 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	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	2	
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	1	
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	1	
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	1	
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	1	
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	1	
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	1	
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	1	
device without error then email addresses associated with address book		
entries shall be presented in a useable format.		

Assertions Tested	Tests	Anomaly
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	1	
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	1	
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	1	
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	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	1	
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	1	
device without error then the corresponding date/time stamps for text	1	
messages shall be presented in a useable format.		
SPT-CA-19 If a cellular forensic tool completes acquisition of the target	1	
	1	
device without error then the corresponding status (i.e., read, unread) for		
text messages shall be presented in a useable format.	1	
SPT-CA-20 If a cellular forensic tool completes acquisition of the target	1	
device without error then the corresponding sender / recipient phone		
numbers for text messages shall be presented in a useable format.	1	2.4
SPT-CA-21 If a cellular forensic tool completes acquisition of the target	1	3.4
device without error then MMS messages and associated audio shall be		
presented in a useable format.	1	2.4
SPT-CA-22 If a cellular forensic tool completes acquisition of the target	1	3.4
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	1	3.4
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	1	
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	1	
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	1	3.6

Assertions Tested	Tests	Anomaly
device without error then stand-alone video files shall be presented in a		
useable format via either an internal application or suggested third-party	ļ	
application.		
SPT-CA-27 If a cellular forensic tool completes acquisition of the target	1	
device without error then device specific application related data shall	ļ	
be acquired and presented in a useable format via either an internal	ļ	
application or suggested third-party application.	ļ	
SPT-CA-28 If a cellular forensic tool completes acquisition of the target	1	
device without error then Internet related data (i.e., bookmarks, visited	ļ	
sites) cached to the device shall be acquired and presented in a useable		
format.	ļ	
SPT-CA-29 If a cellular forensic tool provides the user with an	2	
"Acquire All" device data objects acquisition option then the tool shall		
complete the acquisition of all data objects without error.	ļ	
SPT-CA-32 If a cellular forensic tool completes two consecutive logical	1	
	1	
acquisitions of the target device without error then the payload (data	ļ	
objects) on the mobile device shall remain consistent.	1	
SPT-AO-25 If a cellular forensic tool completes acquisition of the target	1	
device without error then the tool shall present the acquired data in a	ļ	
useable format via supported generated report formats.		
SPT-AO-26 If a cellular forensic tool completes acquisition of the target	1	
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	1	
third-party means then the tool shall provide protection mechanisms	ļ	
disallowing or reporting data modification.		
SPT-AO-31 If the cellular forensic tool supports a physical acquisition	1	
of the target device then the tool shall complete the acquisition without	ļ	
error.		
SPT-AO-32 If the cellular forensic tool supports the interpretation of	1	
address book entries present on the target device then the tool shall		
report recoverable active and deleted data or address book data remnants	ļ	
in a useable format.	ļ	
SPT-AO-33 If the cellular forensic tool supports the interpretation of	1	
calendar, tasks, or notes present on the target device then the tool shall	ļ	
report recoverable active and deleted calendar, tasks, or note data	ļ	
remnants in a useable format.	ļ	
SPT-AO-34 If the cellular forensic tool supports the interpretation of	1	
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	ļ	
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		
remnants in a useable format.		
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Assertions Tested	Tests	Anomaly
SPT-AO-36 If the cellular forensic tool supports the interpretation of	1	
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	1	
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	1	
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	1	
video files present on the target device then the tool shall report		
recoverable active and deleted video file data or video file data remnants		
in a useable format.		
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII	1	
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-	1	
ASCII characters then the application should present text messages in		
their native format.		
SPT-AO-43 If the cellular forensic tool supports hashing for individual	1	
data objects then the tool shall present the user with a hash value for		
each supported data object.		_

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

**Table 4a: Assertions Not Tested (iPhone 3Gs)** 

Assertions Not Tested			
SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without			
error then device specific application related data shall be acquired and presented in a			
useable format via either an internal application or suggested third-party application.			
SPT-CA-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-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-32 If the cellular forensic tool supports the interpretation of address book entries present on the target device then the tool shall report recoverable active and deleted data or address book data remnants in a useable format.

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

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

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

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

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

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

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

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

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

#### Table 4b: Assertions Not Tested (Blackberry Bold 9700)

### **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-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-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-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.

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-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.

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.

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

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

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

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

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

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

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

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

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

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

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

#### Table 4d: Assertions Not Tested (HTC Touch Pro 2)

#### **Assertions Not Tested**

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.

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 non-supported 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-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.

- 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-02 If a cellular forensic tool attempts to connect to a non-supported 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 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-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.
- SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.
- SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target 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 non-supported 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-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.
- 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.
- 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.
- SPT-AO-26 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable format in a preview-pane view.
- SPT-AO-27 If the case file or individual data objects are modified via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification.
- SPT-AO-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-40 If the cellular forensic tool supports display of non-ASCII characters then the application should present ADNs in their native format.

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

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

SPT-AO-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.

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

### 3.1 Acquisition Disruption

Notification of device acquisition disruption was not successful for test case SPT-03 for the iPhone 3Gs. The acquisition was disrupted by removing the cable from the mobile device during acquisition.

## 3.2 Physical Acquisition

Physical acquisition of the iPhone 2G did not acquire any data and ended in errors for test case SPT-31. Below is the log file generated during the physical acquisition process.

```
Log of extraction process created by XRY (12 items)
Index: 1
Module: MAIN
Status: Success
Time: 8:49:47 AM
             Initiating Process at 8:49
Message:
Index: 2
Module: MAIN
Status: Success
Time: 8:49:47 AM
Message: XRY Version 5.0
Index: 3
Module: MAIN
Status: Success
Time: 8:49:47 AM
            Connected to Apple iPhone 2G []
Message:
Index: 4
Module: MAIN
Status: Success
Time: 8:49:47 AM
Message:
            Starting process of IDUMPER (5.0)
Index: 5
Module: IDUMPER
Status: Success
Time: 8:49:48 AM
Message:
            Apple mobile device connected.
Index: 6
Module: IDUMPER
Status: Success
Time: 8:49:50 AM
Message:
            User partition is 7 GB.
Index: 7
Module: IDUMPER
Status: Success
Time: 8:50:45 AM
Message: Apple mobile device connected.
Index: 8
Module: IDUMPER
Status: Unsuccessful
Time: 8:52:01 AM
            Failed to read blocks.
Message:
```

Index: 9 Module: IDUMPER Status: Unsuccessful Time: 8:53:01 AM Message:

Failed to close disk.

Index: 10 Module: TDUMPER Status: Unsuccessful Time: 8:54:01 AM

Failed to open file for write Message:

Index: 11 Module: IDUMPER Status: Unsuccessful Time: 8:54:01 AM

Failed to stop device session. Message:

Index: 12 Module: MATN

Status: Unsuccessful Time: 8:54:01 AM

IDUMPER (5.0) completed with error

### 3.3 Acquisition of Call Logs

For test case SPT-07, incoming, outgoing and missed call data were not acquired from the Blackberry Bold 9700.

### 3.4 Acquisition of MMS related data

For test case SPT-09, the textual portion of MMS messages was not reported for the Blackberry Bold 9700 or Blackberry 9630.

For the Blackberry Bold 9700 supported graphics files were not reported and when attempting acquisition of video files the following error was produced:

Video files embedded in MMS messages produce the following error: Error-36: an I/O error occurred (-1-0-01000045.mms\)

MMS video files were not reported for the Blackberry 9630.

## 3.5 Physical Acquisition of deleted text messages

For test case SPT-32, no deleted text messages (i.e., SMS, EMS) were recovered for the HTC Touch Pro 2.

## 3.6 Acquisition of Stand-alone data files

Stand-alone data files (i.e., video files) were not acquired from the Blackberry 9630 for test case SPT-10.

## **4 Testing Environment**

The tests were run in the NIST CFTT lab. This section describes the test computers available for testing.

### 4.1 Test Computers

One test computer was used.

Morrisy has the following configuration:

Intel® D975XBX2 Motherboard
BIOS Version BX97520J.86A.2674.2007.0315.1546
Intel® Core™2 Duo CPU 6700 @ 2.66Ghz
3.25 GB RAM
1.44 MB floppy drive
LITE-ON CD H LH52N1P
LITE-ON DVDRW LH-20A1P
2 slots for removable SATA hard disk drive
8 USB 2.0 slots
2 IEEE 1394 ports
3 IEEE 1394 ports (mini)

## 4.2 Mobile Devices

The following table contains the mobile devices used.

Make	Model	OS	Network
Apple iPhone	3Gs	iPhone	AT&T
Blackberry	Bold 9700	Blackberry	AT&T
HTC	Tilt2	Windows Mobile 6.5	AT&T
Nokia	E71x	Symbian	AT&T
HTC	Touch Pro 2	Windows Mobile 6.1	Sprint
Blackberry	Tour 9630	Blackerry	Sprint
Samsung	Moment	Android	Sprint
Palm	Pixi	Palm OS	Sprint

## 4.3 Internal Memory Data Objects

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

Data Objects	Data Flamenta
Data Objects	Data Elements
Address Book Entries	D1 I
	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	
<i>U</i>	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	
THITID HICKSUZES	Incoming Audio
	Incoming Graphic
	Incoming Video
	Outgoing Audio
	Outgoing Graphic
	Outgoing Video

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

## 4.4 Subscriber Identity Module Data Objects

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

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

## 5 Test Results

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

## 5.1 Test Results Report Key

A summary of the actual test results is presented in this report. The following table presents a description of each section of the test report summary.

**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, media (i.e., SIM).
Source Setup:	Acquisition interface.
Log Highlights:	Information extracted from various log files to illustrate
	conformance or non-conformance to the test assertions.
Results	Expected and actual results for each assertion tested.
Analysis	Whether or not the expected results were achieved.

## 5.2 Test Details

## 5.2.1 SPT-01 (iPhone 3Gs)

Test Case SPT	-01 XRY/XACT Version 5.0.2	
Case	SPT-01 Acquire mobile device internal memory over tool-support	ted interfaces
Summary:	(e.g., cable, Bluetooth, IrDA).	
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).  SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview-pane or generated report.  SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error.  SPT-CA-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 May 25 08:01:26 EDT 2010	
Device:	iPhone3Gs	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log Highlights:	Created by Micro Systematio XRY/XACT Version 5.0.2 Acquisition started: Tue May 25 08:01:26 EDT 2010 Acquisition finished: Tue May 25 08:04:08 EDT 2010 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-32 Perform back-to-back acquisitions, check device payload for modifications.	as expected
Analysis:	Expected results achieved	

# 5.2.2 SPT-02 (iPhone 3Gs)

Test Case SPT-	Test Case SPT-02 XRY/XACT Version 5.0.2		
Case	SPT-02 Attempt internal memory acquisition of a non-	supported mobile	
Summary:	device.		
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to consupported device then the tool shall notify the user supported.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Tue May 25 08:06:58 EDT 2010		
Device:	unsupported_device		
Source	OS: WIN XP		
Setup:	Interface: cable		
Log	Created by Micro Systemation XRY/XACT Version 5.0.2		
Highlights:	Acquisition started: Tue May 25 08:06:58 EDT 2010		
	Acquisition finished: Tue May 25 08:10:37 EDT 2010		
	Identification of non-supported devices was successful	ul	
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-02 Identification of non-supported devices.	as expected	
Analysis:	Expected results achieved		

# 5.2.3 SPT-03 (iPhone 3Gs)

Test Case SPT	-03 XRY/XACT Version 5.0.2	
Case	SPT-03 Begin mobile device internal memory acquisition and interrupt	
Summary:	connectivity by interface disengagement.	
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellula	r forensic
	tool is disrupted then the tool shall notify the user that conn	ectivity has
	been disrupted.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue May 25 08:58:39 EDT 2010	
Device:	iPhone3Gs	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Tue May 25 08:58:39 EDT 2010 Acquisition finished: Tue May 25 09:00:06 EDT 2010  Device acquisition disruption notification was not successful  Notes: No warning messages are provided to the user that connectivity has been disrupted during acquisition.	
Results:		
	• • • • • • • • • • • • • • • • • • • •	ual Result
	SPT-CA-03 Notification of device acquisition Not	
	disruption. expe	cted
Analysis:	Expected results Not achieved	

# 5.2.4 SPT-04 (iPhone 3Gs)

Test Case SPT	C-04 XRY/XACT Version 5.0.2	
Case	SPT-04 Acquire mobile device internal memory and review reported data via	
Summary:	the preview-pane or generated reports for readability.	
Assertions:	SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview-pane or generated report.	
Tester	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Tue May 25 09:15:38 EDT 2010	
Device:	iPhone3Gs	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log	Created by Micro Systemation XRY/XACT Version 5.0.2	
Highlights:	Acquisition started: Tue May 25 09:15:38 EDT 2010	
	Acquisition finished: Tue May 25 09:21:19 EDT 2010	
	Readability and completeness of acquired data was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
Analysis:	Expected results achieved	

# 5.2.5 SPT-05 (iPhone 3Gs)

Test Case SPT-	-05 XRY/XACT Version 5.0.2		
Case Summary:	SPT-05 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).		
Assertions:	SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error then subscriber-related information shall be presented in a useable format.  SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error then equipment related information shall be presented in a useable format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Tue May 25 09:37:43 EDT 2010		
Device:	iPhone3Gs		
Source	OS: WIN XP		
Setup:	Interface: cable		
Log	Created by Micro Systemation XRY/XACT Version 5.0.2		
Highlights:	Acquisition started: Tue May 25 09:37:43	EDT 2010	
	Acquisition finished: Tue May 25 09:47:57	EDT 2010	
	Subscriber and Equipment related data (i.e., MSISDN, IMEI) were acquired		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-05 Acquisition of MSISDN, IMSI.	as expected	
	SPT-CA-06 Acquisition of IMEI/MEID/ESN.	as expected	
Analysis:	Expected results achieved		

# 5.2.6 SPT-06 (iPhone 3Gs)

Test Case SPT	-06 XRY/XACT Version 5.0.2	
Case	SPT-06 Acquire mobile device internal memory and review repor	ted PIM
Summary:	related data.	
Assertions:	device without error then address book entries shall be presented in a	
	useable format.	
	SPT-CA-08 If a cellular forensic tool completes acquisition o	
	device without error then maximum length address book entries	shall be
	presented in a useable format.	<b>.</b>
	SPT-CA-09 If a cellular forensic tool completes acquisition o	
	device without error then address book entries containing spe characters shall be presented in a useable format.	Clai
	SPT-CA-10 If a cellular forensic tool completes acquisition of	f the target
	device without error then address book entries containing bla	
	be presented in a useable format.	in named brain
	SPT-CA-11 If a cellular forensic tool completes acquisition of	f the target
	device without error then email addresses associated with add	_
	entries shall be presented in a useable format.	
	SPT-CA-12 If a cellular forensic tool completes acquisition o	
	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.	5 . 1
	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.	note entries
	Shall be presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue May 25 09:53:57 EDT 2010	
Device:	iPhone3Gs	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log	Created by Micro Systemation XRY/XACT Version 5.0.2	
Highlights:	Acquisition started: Tue May 25 09:53:57 EDT 2010	
mightights.	Acquisition finished: Tue May 25 09:57:01 EDT 2010	
	noquisition implies the may so by or or ast soil	
	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.	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	as expected
	address book entries.	as capected
	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	

# 5.2.7 SPT-07 (iPhone 3Gs)

Test Case SPT	-07 XRY/XACT Version 5.0.2		
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 May 25 09:57:46 EDT 2010		
Device:	iPhone3Gs		
Source	OS: WIN XP		
Setup:	Interface: cable		
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Tue May 25 09:57:46 EDT 2010 Acquisition finished: Tue May 25 10:02:07 EDT 2010  All Call Logs (incoming, outgoing, missed) were acquired All Call Log date/time stamps data were correctly reported		
Results:	-		
	Assertion & Expected Result	Actual Result	
	SPT-CA-15 Acquisition of call logs.	as expected	
	SPT-CA-16 Acquisition of call log date/time stamps.	as expected	
Analysis:	Expected results achieved		

# 5.2.8 SPT-08 (iPhone 3Gs)

Test Case SPT	-08 XRY/XACT Version 5.0.2	
Case	SPT-08 Acquire mobile device internal memory and review repor	ted 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 May 25 10:02:55 EDT 2010	
Device:	iPhone3Gs	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Tue May 25 10:02:55 EDT 2010 Acquisition finished: Tue May 25 10:18:28 EDT 2010  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 messacorrectly 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
7		
Analysis:	Expected results achieved	

# 5.2.9 SPT-09 (iPhone 3Gs)

Test Case SPT	-09 XRY/XACT Version 5.0.2	
Case	SPT-09 Acquire mobile device internal memory and review rep	ported MMS multi-
Summary:	media related data (i.e., text, audio, graphics, video).	
Assertions:	SPT-CA-21 If a cellular forensic tool completes acquisition device without error then MMS messages and associated audic presented in a useable format.  SPT-CA-22 If a cellular forensic tool completes acquisition device without error then MMS messages and associated graph be presented in a useable format.  SPT-CA-23 If a cellular forensic tool completes acquisition device without error then MMS messages and associated video presented in a useable format.	o shall be n of the target hic files shall n of the target
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri May 28 08:30:33 EDT 2010	
Device:	iPhone3Gs	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri May 28 08:30:33 EDT 2010 Acquisition finished: Fri May 28 09:27:16 EDT 2010  ALL MMS messages (Audio, Image, Video) were acquired	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-21 Acquisition of audio MMS messages.	as expected
	SPT-CA-22 Acquisition of graphic data image MMS messages.	as expected
	SPT-CA-23 Acquisition of video MMS messages.	as expected
Analysis:	Expected results achieved	

# 5.2.10 SPT-10 (iPhone 3Gs)

Test Case SPI	Y-10 XRY/XACT Version 5.0.2		
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 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 suseable 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 suggested third-party sition of the target ll be presented in a	
Tester	rpa		
Name:	1 pa		
Test Host:	Morrisy		
Test Date:	Fri May 28 09:27:44 EDT 2010		
Device:	iPhone3Gs		
Source	OS: WIN XP		
Setup:	Interface: cable		
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri May 28 09:27:44 EDT 2010 Acquisition finished: Fri May 28 09:30:12 EDT 2010  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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# 5.2.11 SPT-12 (iPhone 3Gs)

Test Case SPT	-12 XRY/XACT Version 5.0.2		
Case Summary:	SPT-12 Acquire mobile device internal memory and review Internet related data (i.e., bookmarks, visited sites.		
Assertions:	SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Fri May 28 10:53:49 EDT 2010		
Device:	iPhone3Gs		
Source	OS: WIN XP		
Setup:	Interface: cable		
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri May 28 10:53:49 EDT 2010 Acquisition finished: Fri May 28 10:53:59 EDT 2010  All Internet related data was acquired		
Results:	,		
	Assertion & Expected Result Actual Result		
	SPT-CA-28 Acquisition of Internet related data. as expected		
Analysis:	Expected results achieved		

# 5.2.12 SPT-13 (iPhone 3Gs)

Test Case SPT	-13 XRY/XACT Version 5.0.2		
Case	SPT-13 Acquire mobile device internal memory by selecting a combination of		
Summary:	supported data elements.		
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Fri May 28 10:54:18 EDT 2010		
Device:	iPhone3Gs		
Source	OS: WIN XP		
Setup:	Interface: cable		
Log	Created by Micro Systemation XRY/XACT Version 5.0.2		
Highlights:	Acquisition started: Fri May 28 10:54:18 EDT 2010		
	Acquisition finished: Fri May 28 10:55:00 EDT 201	0	
	Acquire All acquisition was successful		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-29 Acquire-All data objects acquisition.	as expected	
Analysis:	Expected results achieved		

# 5.2.13 SPT-14 (iPhone 3Gs)

Test Case SPT-14 XRY/XACT Version 5.0.2		
Case Summary:	SPT-14 Acquire SIM memory over supported interfaces (e	.g., PC/SC reader).
Assertions:	SPT-AO-01 If a cellular forensic tool provides support 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 Jun 1 08:58:15 EDT 2010	
Device:	ATT_SIM	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Tue Jun 1 08:58:15 EDT 2010 Acquisition finished: Tue Jun 1 09:00:20 EDT 2010  Media connectivity was established via supported interface	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-01 SIM connectivity via supported interfaces.	as expected
Analysis:	Expected results achieved	

# 5.2.14 SPT-15 (iPhone 3Gs)

Test Case SPT-15 XRY/XACT Version 5.0.2		
Case	SPT-15 Attempt acquisition of a non-supported SIM.	
Summary:		
Assertions:	SPT-AO-02 If a cellular forensic tool attempts to connect to a non-supported SIM then the tool shall notify the user that the SIM is not supported.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 1 09:01:13 EDT 2010	
Device:	unsupported_sim	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log	Created by Micro Systemation XRY/XACT Version 5.0.2	
Highlights:	Acquisition started: Tue Jun 1 09:01:13 EDT 2010	
	Acquisition finished: Tue Jun 1 09:02:59 EDT 2010	
	Identification of non-supported media was successful	
Results:		
	Assertion & Expected Result Actual Result	
	SPT-AO-02 Identification of non-supported SIMs. as expected	
Analysis:	Expected results achieved	

# 5.2.15 SPT-16 (iPhone 3Gs)

Test Case SPT-16 XRY/XACT Version 5.0.2		
Case	SPT-16 Begin SIM acquisition and interrupt connectivity by interface	
Summary:	disengagement.	
Assertions:	SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader then the tool shall notify the user that connectivity has been disrupted.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 1 09:03:26 EDT 2010	
Device:	ATT_SIM	
Source Setup:	OS: WIN XP Interface: USB	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Tue Jun 1 09:03:26 EDT 2010 Acquisition finished: Tue Jun 1 09:09:49 EDT 2010 Media acquisition disruption notification was successful	
Results:	Assertion & Expected Result  SPT-AO-03 Notification of SIM acquisition disruption. as expected	
Analysis:	Expected results achieved	

# 5.2.16 SPT-17 (iPhone 3Gs)

Test Case SPT-	17 XRY/XACT Version 5.0.2	
Case		ew reported subscriber and equipment
Summary:	related information (i.e., SPN, IC	CID, IMSI, MSISDN).
Assertions:	SIM without error then the SPN shall SPT-AO-05 If a cellular forensic to SIM without error then the ICCID sl SPT-AO-06 If a cellular forensic to SIM without error then the IMSI shall SPT-AO-07 If a cellular forensic to	cool completes acquisition of the target ll be presented in a useable format. cool completes acquisition of the target hall be presented in a useable format. cool completes acquisition of the target all be presented in a useable format. cool completes acquisition of the target shall be presented in a useable format.
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 1 09:10:08 EDT 2010	
Device:	ATT_SIM	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log	Created by Micro Systemation XRY/X	ACT Version 5.0.2
Highlights:	Acquisition started: Tue Jun 1 09: Acquisition finished: Tue Jun 1 09 All subscriber-related data (i.e.,	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-A0-04 Acquisition of SPN.	as expected
	SPT-A0-05 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	
IIIGIYBIB.	I hapeceed reputeb deliteved	

# 5.2.17 SPT-18 (iPhone 3Gs)

Test Case SPT	-18 XRY/XACT Version 5.0.2	
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 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.	umbers (ADN) shall be quisition of the target e presented in a useable quisition of the SIM ers shall be presented in quisition of the SIM
Tester Name:	rna -	
Test Host:	rpa Morrisy	
Test Host:	Tue Jun 1 12:33:19 EDT 2010	
Device: Source	ATT_SIM OS: WIN XP	
Setup:	Interface: USB	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0. Acquisition started: Tue Jun 1 12:33:19 EDT 2010	2
	Acquisition finished: Tue Jun 1 12:38:04 EDT 2010  All ADNs were acquired	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-08 Acquisition of ADNs.	as expected
	SPT-AO-09 Acquisition of maximum length ADNs.	as expected
	SPT-AO-10 Acquisition of special character ADNs.	as expected
	SPT-AO-11 Acquisition of blank name ADNs.	as expected
Analysis:	Expected results achieved	

# 5.2.18 SPT-19 (iPhone 3Gs)

Test Case SPT	-19 XRY/XACT Version 5.0.2	
Case Summary:	SPT-19 Acquire SIM memory and review reported La	st Numbers Dialed (LND).
Assertions:	SPT-AO-12 If a cellular forensic tool completes SIM without error then Last Numbers Dialed (LND) useable format. SPT-AO-13 If a cellular forensic tool completes SIM without error then the corresponding date/ti presented in a useable format.	shall be presented in a acquisition of the target
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 1 12:38:23 EDT 2010	
Device:	ATT_SIM	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5. Acquisition started: Tue Jun 1 12:38:23 EDT 2010 Acquisition finished: Tue Jun 1 13:24:59 EDT 201  LNDs were acquired Date/Time Stamps correctly reported for LNDs	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-12 Acquisition of LNDs.	as expected
	SPT-AO-13 Acquisition of LND date/time stamps.	as expected
Analysis:	Expected results achieved	

# 5.2.19 SPT-20 (iPhone 3Gs)

Test Case SPT	-20 XRY/XACT Version 5.0.2	
Case Summary:	SPT-20 Acquire SIM memory and review reported text messages	
Assertions:	SPT-AO-14 If a cellular forensic tool completes acquisition of SIM without error then ASCII SMS text messages shall be presented to be suspended format.	ented in a
	SPT-AO-15 If a cellular forensic tool completes acquisition of SIM without error then ASCII EMS text messages shall be presented by the statement of the statem	-
	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.	all text
	SPT-AO-17 If a cellular forensic tool completes acquisition of SIM without error then the corresponding status (i.e., read, text messages shall be presented in a useable format.	_
	SPT-AO-18 If a cellular forensic tool completes acquisition of SIM without error then the corresponding sender / recipient property for text messages shall be presented in a useable format.	_
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 1 13:25:23 EDT 2010	
Device:	ATT_SIM	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Tue Jun 1 13:25:23 EDT 2010 Acquisition finished: Tue Jun 1 13:39:23 EDT 2010	
	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	ages were
	correctly reported	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-14 Acquisition of SMS messages.	as expected
	SPT-AO-15 Acquisition of EMS messages.	as expected
	SPT-AO-16 Acquisition of text message date/time stamps.	as expected
	SPT-AO-17 Acquisition of text message status flags.	as expected
	SPT-AO-18 Acquisition of sender/recipient phone number	as expected
	associated with text messages.	_
Analysis:	Expected results achieved	
	=	

# 5.2.20 SPT-21 (iPhone 3Gs)

Test Case SPT	-21 XRY/XACT Version 5.0.2	
Case Summary:	SPT-21 Acquire SIM memory and review recoverable deleted to (SMS, EMS).	ct messages
Assertions:	SPT-AO-19 If the cellular forensic tool completes acquisition SIM without error then deleted text messages that have not be shall be presented in a useable format.	_
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 1 13:39:47 EDT 2010	
Device:	ATT_SIM	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Tue Jun 1 13:39:47 EDT 2010 Acquisition finished: Tue Jun 1 13:46:12 EDT 2010  Deleted text message data was recovered	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-19 Acquisition of non-overwritten deleted text messages.	as expected
Analysis:	Expected results achieved	

# 5.2.21 SPT-22 (iPhone 3Gs)

Test Case SPT	-22 XRY/XACT Version 5.0.2	
Case Summary:	SPT-22 Acquire SIM memory and review reported lo LOCI, GPRSLOCI).	cation related data (i.e.,
Assertions:	SPT-AO-20 If a cellular forensic tool completes SIM without error then location related data (i. 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., LOCI) shall be acquisition of the target
Tester Name:	rpa	
Test Host:	Morrisy	<u>-</u>
Test Date:	Tue Jun 1 13:46:39 EDT 2010	
Device:	ATT_SIM	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5. Acquisition started: Tue Jun 1 13:46:39 EDT 2010 Acquisition finished: Tue Jun 1 13:59:13 EDT 201  LOCI data was acquired GPRSLOCI data was acquired	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-A0-20 Acquisition of LOCI information.	as expected
	SPT-AO-21 Acquisition of GPRSLOCI information.	as expected
Analysis:	Expected results achieved	

# 5.2.22 SPT-23 (iPhone 3Gs)

Test Case SP1	T-23 XRY/XACT Version 5.0.2	
Case	SPT-23 Acquire SIM memory by selecting a combination o	f supported data
Summary:	elements.	
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).  SPT-AO-22 If a cellular forensic tool provides the use All" SIM data objects acquisition option then the tool acquisition of all data objects without error.	<pre>ize the target SIM  proprietary reader, r with an "Acquire</pre>
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 1 14:01:02 EDT 2010	
Device:	ATT_SIM	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log	Created by Micro Systemation XRY/XACT Version 5.0.2	
Highlights:	Acquisition started: Tue Jun 1 14:01:02 EDT 2010	
	Acquisition finished: Tue Jun 1 14:11:53 EDT 2010  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
Analysis:	Expected results achieved	

# 5.2.23 SPT-24 (iPhone 3Gs)

Test Case SPT	-24 XRY/XACT Version 5.0.2	
Case	SPT-24 Acquire mobile device internal memory and review report	rted data via
Summary:	supported generated report formats.	
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of device without error then the tool shall present the acquired useable format via supported generated report formats.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 1 14:12:44 EDT 2010	
Device:	iPhone3Gs	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Tue Jun 1 14:12:44 EDT 2010 Acquisition finished: Tue Jun 1 14:24:09 EDT 2010  Complete representation of known data via generated reports to	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	
WIIGTARIR.	Exhanced legalics doutexed	

# 5.2.24 SPT-25 (iPhone 3Gs)

Test Case SPT	-25 XRY/XACT Version 5.0.2	
Case Summary:	SPT-25 Acquire mobile device internal memory and review repo	orted data via
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition device without error then the tool shall present the acquire useable format in a preview-pane view.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 1 14:24:38 EDT 2010	
Device:	iPhone3Gs	
Source Setup:	OS: WIN XP Interface: cable	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Tue Jun 1 14:24:38 EDT 2010 Acquisition finished: Tue Jun 1 14:24:51 EDT 2010  Complete representation of known data via preview-pane was s	successful
Results:	Assertion & Expected Result  SPT-A0-26 Comparison of known device data elements via	Actual Result as expected
Analysis:	preview-pane.  Expected results achieved	

# 5.2.25 SPT-26 (iPhone 3Gs)

Test Case SPT	-26 XRY/XACT Version 5.0.2	
Case Summary:	SPT-26 Acquire SIM memory and review reported data via support formats.	rted generated
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition without error then the tool shall present the acquired data format via supported generated report formats.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 1 14:41:20 EDT 2010	
Device:	ATT_SIM	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Tue Jun 1 14:41:20 EDT 2010 Acquisition finished: Tue Jun 1 14:45:20 EDT 2010 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	
Analysis.	Expected results achieved	

# 5.2.26 SPT-27 (iPhone 3Gs)

Test Case SPT	-27 XRY/XACT Version 5.0.2	
Case Summary:	SPT-27 Acquire SIM memory and review reported data via the p	preview-pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition without error then the tool shall present the acquired data format in a preview-pane view.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 1 14:45:50 EDT 2010	
Device:	ATT_SIM	
Source Setup:	OS: WIN XP Interface: USB	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Tue Jun 1 14:45:50 EDT 2010 Acquisition finished: Tue Jun 1 14:51:44 EDT 2010  Complete representation of known data via preview-pane was s	successful
Results:	Assertion & Expected Result  SPT-AO-26 Comparison of known device data elements via preview-pane.	Actual Result as expected
Analysis:	Expected results achieved	

# 5.2.27 SPT-28 (iPhone 3Gs)

28 Attempt acquisition of a password-protected SIM.  AO-28 If the SIM is password-protected then the cellular forensic tool 1 provide the examiner with the opportunity to input the PIN before disition.
I provide the examiner with the opportunity to input the PIN before disition.
I provide the examiner with the opportunity to input the PIN before disition.
risition.
risy
*
•
Tun 1 15:01:45 FDT 2010
OUT T TO.OT.40 FDI 7010
SIM
WIN XP
erface: USB
ted by Micro Systemation XRY/XACT Version 5.0.2
isition started: Tue Jun 1 15:01:45 EDT 2010
isition finished: Tue Jun 1 15:02:44 EDT 2010
ity to enter PIN on protected media before acquisition was successful
sertion & Expected Result Actual Result
C-AO-28 Acquisition of password protected SIM. as expected
cted results achieved
V it

# 5.2.28 SPT-29 (iPhone 3Gs)

Test Case SPT	-29 XRY/XACT Version 5.0.2	
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:	Wed Jun 2 08:03:55 EDT 2010	
Device:	iPhone3Gs	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log	Created by Micro Systemation XRY/XACT Version 5.0.2	
Highlights:	Acquisition started: Wed Jun 2 08:03:55 EDT 2010	
	Acquisition finished: Wed Jun 2 08:13:37 EDT 2010	
	Notification of modified device memory data was successful	
Results:		
	Assertion & Expected Result Actual Result	
	SPT-AO-27 Notification of modified device case data. as expected	
Analysis:	Expected results achieved	

# 5.2.29 SPT-30 (iPhone 3Gs)

Test Case SPT	-30 XRY/XACT Version 5.0.2
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:	Wed Jun 2 08:13:56 EDT 2010
Device:	ATT_SIM
Source	OS: WIN XP
Setup:	Interface: USB
Log	Created by Micro Systemation XRY/XACT Version 5.0.2
Highlights:	Acquisition started: Wed Jun 2 08:13:56 EDT 2010
	Acquisition finished: Wed Jun 2 08:17:37 EDT 2010
	Notification of modified SIM data was successful
Results:	
	Assertion & Expected Result Actual Result
	SPT-AO-27 Notification of modified device case data. as expected
Analysis:	Expected results achieved

# 5.2.30 SPT-31 (iPhone 3Gs)

Test Case SPT-	-31 XRY/XACT Version 5.0.2
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.
Mashau Namat	
Tester Name: Test Host:	rpa Morrisy
Test Date:	Wed Jun 2 08:53:20 EDT 2010
Device:	iPhone2G
Source	OS: WIN XP
Setup:	Interface: cable
Log	Created by Micro Systemation XRY/XACT Version 5.0.2
Highlights:	Acquisition started: Wed Jun 2 08:53:20 EDT 2010
	Acquisition finished: Wed Jun 2 08:53:35 EDT 2010
	Physical Acquisition: readability and completeness was not successful
	Notes:
	Log of extraction process created by XRY (12 items)
	Index: 1
	Module: MAIN
	Status: Success Time: 8:49:47 AM
	Message: Initiating Process at 8:49
	nobbago initiating liboobb at 5 17
	Index: 2
	Module: MAIN
	Status: Success
	Time: 8:49:47 AM
	Message: XRY Version 5.0
	Index: 3
	Module: MAIN
	Status: Success
	Time: 8:49:47 AM
	Message: Connected to Apple iPhone 2G []
	Index: 4 Module: MAIN
	Status: Success
	Time: 8:49:47 AM
	Message: Starting process of IDUMPER (5.0)
	Index: 5
	Module: IDUMPER
	Status: Success Time: 8:49:48 AM
	Message: Apple mobile device connected.
	respage. Apple mostic device connected.
	Index: 6
	Module: IDUMPER
	Status: Success
	Time: 8:49:50 AM
	Message: User partition is 7 GB.
	Indox: 7
	Index: 7 Module: IDUMPER
	Status: Success
	Time: 8:50:45 AM
	Message: Apple mobile device connected.
	Index: 8
	Module: IDUMPER

Test Case SPT-	-31 XRY/XACT Version 5.0.2	
	Status: Unsuccessful	
	Time: 8:52:01 AM	
	Message: Failed to read blocks.	
	Index: 9	
	Module: IDUMPER	
	Status: Unsuccessful	
	Time: 8:53:01 AM	
	Message: Failed to close disk.	
	Index: 10	
	Module: IDUMPER	
	Status: Unsuccessful	
	Time: 8:54:01 AM	
	Message: Failed to open file for write	
	Index: 11	
	Module: IDUMPER	
	Status: Unsuccessful Time: 8:54:01 AM	
	Message: Failed to stop device session.	
	Message: Failed to stop device session.	
	Index: 12	
	Module: MAIN	
	Status: Unsuccessful	
	Time: 8:54:01 AM	
	Message: IDUMPER (5.0) completed with error	
	• • • • • • • • • • • • • • • • • • • •	
Results:		
	Assertion & Expected Result	Actual
		Result
	SPT-AO-31 Physical acquisition, data is presented in a	Not as
	useable format.	expected
Analysis:	Expected results Not achieved	
wigilars.	HAPECECA TERATER NOT BUILDING	

# 5.2.31 SPT-33 (iPhone 3Gs)

Test Case SPT	-33 XRY/XACT Version 5.0.2	
Case	SPT-33 Acquire mobile device internal memory and review	data containing
Summary:	non-ASCII characters.	
Assertions:	SPT-AO-40 If the cellular forensic tool supports displa characters then the application should present address their native format. SPT-AO-41 If the cellular forensic tool supports proper ASCII characters then the application should present te native format.	book entries in display of non-
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 2 09:02:01 EDT 2010	
Device:	iPhone3Gs	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Wed Jun 2 09:02:01 EDT 2010 Acquisition finished: Wed Jun 2 09:06:38 EDT 2010  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-A0-41 Acquisition of non-ASCII text messages.	as expected
Analysis:	Expected results achieved	

# 5.2.32 SPT-34 (iPhone 3Gs)

Test Case SPT	-34 XRY/XACT Version 5.0.2	
Case Summary:	SPT-34 Acquire SIM memory and review data containing no	on-ASCII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters then the application should present ADNs in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters then the application should present text messages in their native format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 2 09:07:01 EDT 2010	
Device:	ATT_SIM	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Wed Jun 2 09:07:01 EDT 2010 Acquisition finished: Wed Jun 2 09:08:53 EDT 2010  Non-ASCII ADNs were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-40 Acquisition of non-ASCII address book entries/ADNs.	as expected
	SPT-AO-41 Acquisition of non-ASCII text messages.	as expected
Analysis:	Expected results achieved	

# 5.2.33 SPT-35 (iPhone 3Gs)

Test Case SPT	-35 XRY/XACT Version 5.0.2	
Case Summary:	SPT-35 Begin acquisition on a PIN protected SIM to de provides an accurate count of the remaining number of the PIN attempts are decremented when entering an inc	PIN attempts and if
Assertions:	SPT-AO-29 If a cellular forensic tool provides the exremaining number of authentication attempts then the provide an accurate count of the remaining PIN attempts.	application should
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 2 09:09:21 EDT 2010	
Device:	ATT_SIM	
Source Setup:	OS: WIN XP Interface: USB	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Wed Jun 2 09:09:21 EDT 2010 Acquisition finished: Wed Jun 2 09:15:11 EDT 2010 The remaining number of PIN attempts were properly di	splayed
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-29 Display remaining number of PIN attempts.	as expected
Analysis:	Expected results achieved	

# 5.2.34 SPT-36 (iPhone 3Gs)

Test Case SPT	-36 XRY/XACT Version 5.0.2	
Case Summary:	SPT-36 Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.	
Assertions:	SPT-AO-30 If a cellular forensic tool provides the ex remaining number of PUK attempts then the application accurate count of the remaining PUK attempts.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 2 09:15:28 EDT 2010	
Device:	ATT_SIM	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Wed Jun 2 09:15:28 EDT 2010 Acquisition finished: Wed Jun 2 09:15:37 EDT 2010 Remaining number of PUK attempts were properly displa	yed
Results:	Assertion & Expected Result  SPT-AO-30 Display remaining number of PUK attempts.	Actual Result as expected
Analysis:	Expected results achieved	

# 5.2.35 SPT-38 (iPhone 3Gs)

Test Case SPT	-38 XRY/XACT Version 5.0.2	
Case Summary:	SPT-38 Acquire mobile device internal memory and review has vendor supported data objects.	h values for
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing fo data objects then the tool shall present the user with a ha each supported data object.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 2 09:20:27 EDT 2010	
Device:	iPhone3Gs	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Wed Jun 2 09:20:27 EDT 2010 Acquisition finished: Wed Jun 2 09:21:20 EDT 2010  Hash values were properly reported for individually acquired device data elements	
Results:	Assertion & Expected Result	Actual Result
	SPT-AO-43 Acquire data, check known hash values for consistency.	as expected
Analysis:	Expected results achieved	

# 5.2.36 SPT-01 (Blackberry 9700)

Summary: (e.g. Assertions: SPT-O the t device SPT-O device acqui gener SPT-O All" the a SPT-O acqui objec  Tester rpa Name: Test Host: Morri Test Date: Wed J Device: Black Source OS: W	Acquire mobile device internal memory over tool-suppor, cable, Bluetooth, IrDA).  CA-01 If a cellular forensic tool provides support for contarget device then the tool shall successfully recognize with all vendor supported interfaces (e.g., cable, Blue CA-04 If a cellular forensic tool completes acquisition of the without error then the tool shall have the ability to cared data objects in a useable format via either a previous cated report.  CA-29 If a cellular forensic tool provides the user with device data objects acquisition option then the tool shall device data objects acquisition option then the tool shall device data objects acquisition option then the tool shall device data objects acquisition option then the tool shall device data objects without error.  CA-32 If a cellular forensic tool completes two consecutions of the target device without error then the paylets) on the mobile device shall remain consistent.	nnectivity of the target tooth, IrDA). f the target present w-pane or an "Acquire ll complete ve logical
Assertions: SPT-C the t device SPT-C device acqui gener SPT-C All" the a SPT-C acqui objec  Tester rpa Name: Test Host: Morri Test Date: Wed J Device: Black Source OS: W	TA-01 If a cellular forensic tool provides support for co carget device then the tool shall successfully recognize e via all vendor supported interfaces (e.g., cable, Blue CA-04 If a cellular forensic tool completes acquisition of the without error then the tool shall have the ability to cated data objects in a useable format via either a previous rated report.  CA-29 If a cellular forensic tool provides the user with device data objects acquisition option then the tool shall capability of all data objects without error.  CA-32 If a cellular forensic tool completes two consecutions of the target device without error then the payless.	the target tooth, IrDA). f the target present w-pane or an "Acquire ll complete ve logical
the to device SPT-C device acquired specific spe	carget device then the tool shall successfully recognize to via all vendor supported interfaces (e.g., cable, Blue 2A-04 If a cellular forensic tool completes acquisition of the without error then the tool shall have the ability to cared data objects in a useable format via either a previous rated report.  CA-29 If a cellular forensic tool provides the user with device data objects acquisition option then the tool shall capabilities of all data objects without error.  CA-32 If a cellular forensic tool completes two consecutions of the target device without error then the payless.	the target tooth, IrDA). f the target present w-pane or an "Acquire ll complete ve logical
Name: Test Host: Morri Test Date: Wed J Device: Black Source OS: W		
Test Host: Morri Test Date: Wed J Device: Black Source OS: W		
Test Date: Wed J Device: Black Source OS: W		
Device: Black Source OS: W	-	
Source OS: W	Jun 2 13:58:01 EDT 2010	
	cberry_9700	
1	face: cable	
Log Creat	ed by Micro Systemation XRY/XACT Version 5.0.2	
_	sition started: Wed Jun 2 13:58:01 EDT 2010	
Acqui	sition finished: Wed Jun 2 13:59:26 EDT 2010	
Devic	e connectivity was established via supported interface	
Results:		
Asse	ertion & 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
supr	ported reports.	
SPT-	-CA-29 Acquire-All data objects acquisition.	as expected
	-CA-32 Perform back-to-back acquisitions, check device Load for modifications.	as expected
Analysis: Expec		

# 5.2.37 SPT-02 (Blackberry 9700)

Test Case SPT-	02 XRY/XACT Version 5.0.2
Case	SPT-02 Attempt internal memory acquisition of a non-supported mobile
Summary:	device.
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to connect to a non-supported device then the tool shall notify the user that the device is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jun 2 14:02:18 EDT 2010
Device:	unsupported_device
Source	OS: WIN XP
Setup:	Interface: cable
Log	Created by Micro Systemation XRY/XACT Version 5.0.2
Highlights:	Acquisition started: Wed Jun 2 14:02:18 EDT 2010
	Acquisition finished: Wed Jun 2 14:03:24 EDT 2010
	Identification of non-supported devices was successful
Results:	
	Assertion & Expected Result Actual Result
	SPT-CA-02 Identification of non-supported devices. as expected
Analysis:	Expected results achieved

# 5.2.38 SPT-03 (Blackberry 9700)

Test Case SPT	-03 XRY/XACT Version 5.0.2
Case	SPT-03 Begin mobile device internal memory acquisition and interrupt
Summary:	connectivity by interface disengagement.
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jun 2 14:04:20 EDT 2010
Device:	Blackberry_9700
Source	OS: WIN XP
Setup:	Interface: cable
Log	Created by Micro Systemation XRY/XACT Version 5.0.2
Highlights:	Acquisition started: Wed Jun 2 14:04:20 EDT 2010
	Acquisition finished: Wed Jun 2 14:05:29 EDT 2010
	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

# 5.2.39 SPT-04 (Blackberry 9700)

Case	SPT-04 Acquire mobile device internal memory and review repo	rted data min
Summary:	the preview-pane or generated reports for readability.	illeu uala via
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	
Name:		
Test Host:	Morrisy	
Test Date:	Wed Jun 2 14:05:59 EDT 2010	
Device:	Blackberry_9700	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log	Created by Micro Systemation XRY/XACT Version 5.0.2	
Highlights:	Acquisition started: Wed Jun 2 14:05:59 EDT 2010	
	Acquisition finished: Wed Jun 2 14:22:42 EDT 2010	
	Readability and completeness of acquired data was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
Analysis:	Expected results achieved	

# 5.2.40 SPT-05 (Blackberry 9700)

Test Case SPT-	-05 XRY/XACT Version 5.0.2		
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 2 14:23:08 EDT 2010		
Device:	Blackberry_9700		
Source	OS: WIN XP		
Setup:	Interface: cable		
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2		
Highlights	Acquisition started: Wed Jun 2 14:23:08 EDT 2010 Acquisition finished: Wed Jun 2 14:26:36 EDT 2010		
	Subscriber and Equipment related data (i.	e., MSISDN, IMEI	) were acquired
Results:			_
	Assertion & Expected Result	Actual Result	
	SPT-CA-05 Acquisition of MSISDN, IMSI.	as expected	
	SPT-CA-06 Acquisition of IMEI/MEID/ESN.	as expected	
Analysis:	Expected results achieved		

# 5.2.41 SPT-06 (Blackberry 9700)

	-06 XRY/XACT Version 5.0.2	
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 o	
	device without error then address book entries shall be prese	nted in a
	useable format.	6 . 3
	SPT-CA-08 If a cellular forensic tool completes acquisition of	
	device without error then maximum length address book entries	s snall be
	presented in a useable format.	£ -b
	SPT-CA-09 If a cellular forensic tool completes acquisition of device without error then address book entries containing spe	
	characters shall be presented in a useable format.	CIAI
	SPT-CA-10 If a cellular forensic tool completes acquisition of	of 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	of the target
	device without error then email addresses associated with add	-
	entries shall be presented in a useable format.	
	SPT-CA-12 If a cellular forensic tool completes acquisition o	of the target
	device without error then graphics associated with address bo	ook entries
	shall be presented in a useable format.	
	SPT-CA-13 If a cellular forensic tool completes acquisition of	_
	device without error then datebook, calendar, note entries sh	all be
	presented in a useable format.	.f _b
	SPT-CA-14 If a cellular forensic tool completes acquisition of	_
	device without error then maximum length datebook, calendar, shall be presented in a useable format.	note entries
	shall be presented in a dseable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 2 14:27:22 EDT 2010	
Device:	Blackberry_bold9700	
Source	OS: WIN XP	
Setup:	Interface: cable	
Too	Created by Micro Systemation XRY/XACT Version 5.0.2	
Log Highlights:	Acquisition started: Wed Jun 2 14:27:22 EDT 2010	
1119111191100	Acquisition finished: Wed Jun 2 14:35:53 EDT 2010	
	All address book entries were successfully acquired	
	ALL PIM related data was acquired	
Results:	Describing a Research of Research	3-43
	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.	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.	
	SPT-CA-11 Acquisition of embedded email addresses within	as expected
	address book entries.	
	_	as expected
	address book entries.	as expected
	address book entries.  SPT-CA-12 Acquisition of embedded graphics within address	as expected as expected
	address book entries.  SPT-CA-12 Acquisition of embedded graphics within address book entries.	
	address book entries.  SPT-CA-12 Acquisition of embedded graphics within address book entries.  SPT-CA-13 Acquisition of PIM data (i.e.,	
	address book entries.  SPT-CA-12 Acquisition of embedded graphics within address book entries.  SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	as expected
Analysis:	address book entries.  SPT-CA-12 Acquisition of embedded graphics within address book entries.  SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	as expected

# 5.2.42 SPT-07 (Blackberry 9700)

Test Case SPT	-07 XRY/XACT Version 5.0.2	
Case	SPT-07 Acquire mobile device internal memory and review reported call logs.	
Summary:		
Assertions:	SPT-CA-15 If a cellular forensic tool completes acquisition of the target	
	device without error then call logs (incoming/outgoin presented in a useable format.	g/missed/ shaii be
	SPT-CA-16 If a cellular forensic tool completes acqui	sition of the target
	device without error then the corresponding date/time	
	duration of the call for call logs shall be presented	-
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 2 14:39:24 EDT 2010	
Device:	Blackberry_9700	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log	Created by Micro Systemation XRY/XACT Version 5.0.2	
Highlights:	Acquisition started: Wed Jun 2 14:39:24 EDT 2010	
	Acquisition finished: Wed Jun 2 14:42:05 EDT 2010	
	Incoming Calls were not acquired	
	Outgoing Calls were not acquired	
	Missed Calls were not acquired	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-15 Acquisition of call logs.	Not as expected
	SPT-CA-16 Acquisition of call log date/time stamps.	NA
Analysis:	Expected results Not achieved	

# 5.2.43 SPT-08 (Blackberry 9700)

Test Case SPT	-08 XRY/XACT Version 5.0.2	
Case	SPT-08 Acquire mobile device internal memory and review report	ted t.ext
Summary:	messages.	
Assertions:	SPT-CA-17 If a cellular forensic tool completes acquisition of device without error then ASCII text messages (i.e., SMS, EMS presented in a useable format.  SPT-CA-18 If a cellular forensic tool completes acquisition of device without error then the corresponding date/time stamps messages shall be presented in a useable format.  SPT-CA-19 If a cellular forensic tool completes acquisition of device without error then the corresponding status (i.e., reactext 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 3 08:01:36 EDT 2010	
Device:	Blackberry_9700	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Thu Jun 3 08:01:36 EDT 2010 Acquisition finished: Thu Jun 3 08:08:32 EDT 2010  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	
wiathere.	באףכניבע ובטעונט מנוווביענע	

# 5.2.44 SPT-09 (Blackberry 9700)

Test Case SPT	-09 XRY/XACT Version 5.0.2	
Case	SPT-09 Acquire mobile device internal memory and re-	view reported MMS multi-
Summary:	media related data (i.e., text, audio, graphics, video).	
Assertions:	SPT-CA-21 If a cellular forensic tool completes acquidevice without error then MMS messages and associated presented in a useable format.  SPT-CA-22 If a cellular forensic tool completes acquidevice without error then MMS messages and associated be presented in a useable format.  SPT-CA-23 If a cellular forensic tool completes acquidevice without error then MMS messages and associated presented in a useable format.	ed audio shall be uisition of the target ed graphic files shall uisition of the target
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Thu Jun 3 08:54:22 EDT 2010	
Device:	Blackberry_9700	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Thu Jun 3 08:54:22 EDT 2010 Acquisition finished: Thu Jun 3 09:00:13 EDT 2010  Partial audio MMS messages were acquired Partial image MMS messages were acquired Partial video MMS messages were acquired  Notes:  MMS message (i.e., textual content) data was not reported.  Graphic files embedded in MMS messages were not reported.  Video files embedded in MMS messages produce the following error: Error-36: an I/O error occurred (-1-0-01000045.mms\)	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-21 Acquisition of audio MMS messages.	Partially as expected
	SPT-CA-22 Acquisition of graphic data image MMS messages.	Not as expected
	SPT-CA-23 Acquisition of video MMS messages.	Not as expected
Analysis:	Expected results Not achieved	
111017010.	I hapeceed reputeb not defireved	

# 5.2.45 SPT-10 (Blackberry 9700)

Test Case SPI	-10 XRY/XACT Version 5.0.2	
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 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.	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
Tester	rpa	
Name:	1 Pa	
Test Host:	Morrisy	
Test Date:	Thu Jun 3 09:04:07 EDT 2010	
Device:	Blackberry_9700	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Thu Jun 3 09:04:07 EDT 2010 Acquisition finished: Thu Jun 3 09:50:20 EDT 2010 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	

# 5.2.46 SPT-11 (Blackberry 9700)

Test Case SPT	7-11 XRY/XACT Version 5.0.2	
Case Summary:	SPT-11 Acquire mobile device internal memory and review application related data (i.e., word documents, spreadsheet, presentation documents).	
Assertions:	SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error then device specific application related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Thu Jun 3 09:50:48 EDT 2010	
Device:	Blackberry_9700	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Thu Jun 3 09:50:48 EDT 2010 Acquisition finished: Thu Jun 3 10:00:42 EDT 2010 All application data was acquired	
Results:	Assertion & Expected Result  SPT-CA-27 Acquisition of application related data. as expected	
Analysis:	Expected results achieved	

# 5.2.47 SPT-13 (Blackberry 9700)

Test Case SPT	-13 XRY/XACT Version 5.0.2	
Case	SPT-13 Acquire mobile device internal memory by selecting a combination of	
Summary:	supported data elements.	
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Thu Jun 3 10:54:30 EDT 2010	
Device:	Blackberry_9700	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log	Created by Micro Systemation XRY/XACT Version 5.0.2	
Highlights:	Acquisition started: Thu Jun 3 10:54:30 EDT 2010	
	Acquisition finished: Thu Jun 3 13:41:15 EDT 2010	
	Acquire All acquisition was successful	
Results:		
	Assertion & Expected Result Actual Result	
	SPT-CA-29 Acquire-All data objects acquisition. as expected	
Analysis:	Expected results achieved	

# 5.2.48 SPT-14 (Blackberry 9700)

Test Case SPT	-14 XRY/XACT Version 5.0.2	
Case Summary:	SPT-14 Acquire SIM memory over supported interfaces (e	.g., PC/SC reader).
Assertions:	SPT-AO-01 If a cellular forensic tool provides support 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 4 09:40:14 EDT 2010	
Device:	ATT_SIM	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 4 09:40:14 EDT 2010 Acquisition finished: Fri Jun 4 09:43:44 EDT 2010 Media connectivity was established via supported inter	face
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-01 SIM connectivity via supported interfaces.	as expected
Analysis:	Expected results achieved	

# 5.2.49 SPT-15 (Blackberry 9700)

Test Case SPT-	-15 XRY/XACT Version 5.0.2	
Case	SPT-15 Attempt acquisition of a non-supported SIM.	
Summary:		
Assertions:	SPT-AO-02 If a cellular forensic tool attempts to connect to a non-supported SIM then the tool shall notify the user that the SIM is not supported.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 4 09:44:20 EDT 2010	
Device:	unsupported_sim	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log	Created by Micro Systemation XRY/XACT Version 5.0.2	
Highlights:	Acquisition started: Fri Jun 4 09:44:20 EDT 2010	
	Acquisition finished: Fri Jun 4 09:46:27 EDT 2010	
	Identification of non-supported media was successful	
Results:		
	Assertion & Expected Result Actual Result	
	SPT-AO-02 Identification of non-supported SIMs. as expected	
Analysis:	Expected results achieved	

# 5.2.50 SPT-16 (Blackberry 9700)

Test Case SPT-	-16 XRY/XACT Version 5.0.2	
Case	SPT-16 Begin SIM acquisition and interrupt connectivity by interface	
Summary:	disengagement.	
Assertions:	SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader then the tool shall notify the user that connectivity has been disrupted.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 4 09:46:54 EDT 2010	
Device:	ATT_SIM	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log	Created by Micro Systemation XRY/XACT Version 5.0.2	
Highlights:	Acquisition started: Fri Jun 4 09:46:54 EDT 2010	
	Acquisition finished: Fri Jun 4 09:49:15 EDT 2010	
	Media acquisition disruption notification was successful	
Results:		
	Assertion & Expected Result Actual Result	
	SPT-AO-03 Notification of SIM acquisition disruption. as expected	
Analysis:	Expected results achieved	

## 5.2.51 SPT-17 (Blackberry 9700)

Test Case SPT-	-17 XRY/XACT Version 5.0.2		
Case	SPT-17 Acquire SIM memory and review reported subscriber and equipment		
Summary:	related information (i.e., SPN, ICCID, IMSI, MSISDN).		
Assertions:	SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error then the SPN shall be presented in a useable format. SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error then the ICCID shall be presented in a useable format. SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error then the IMSI shall be presented in a useable format. SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error then the MSISDN shall be presented in a useable format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Fri Jun 4 09:49:41 EDT 2010		
Device:	ATT_SIM		
Source	OS: WIN XP		
Setup:	Interface: USB		
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 4 09:49:41 EDT 2010 Acquisition finished: Fri Jun 4 09:54:56 EDT 2010 All subscriber-related data (i.e., SPN, ICCID, IMSI, MSISDN) was acquired		1
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-04 Acquisition of SPN.	as expected	
	SPT-AO-05 Acquisition of ICCID.	as expected	
	SPT-AO-06 Acquisition of IMSI.	as expected	
	SPT-AO-07 Acquisition of MSISDN.	as expected	
Analysis:	Expected results achieved		

# 5.2.52 SPT-18 (Blackberry 9700)

Test Case SPT-	-18 XRY/XACT Version 5.0.2	
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:	rno.	
Test Host:	rpa Morrisy	
Test Host:	Morrisy Fri Jun 4 09:55:27 EDT 2010	
Device: Source	ATT_SIM	
Setup:	OS: WIN XP Interface: USB	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 4 09:55:27 EDT 2010 Acquisition finished: Fri Jun 4 10:01:29 EDT 2010 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
	4.000	<u> </u>
Analysis:	Expected results achieved	
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### 5.2.53 SPT-19 (Blackberry 9700)

Test Case SPT	-19 XRY/XACT Version 5.0.2	
Case Summary:	SPT-19 Acquire SIM memory and review reported Last Numbers Dialed (LND).	
Assertions:	SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error then Last Numbers Dialed (LND) shall be presented in a useable format.  SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 4 10:01:53 EDT 2010	
Device:	ATT_SIM	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log	Created by Micro Systemation XRY/XACT Version 5.	
Highlights:	Acquisition started: Fri Jun 4 10:01:53 EDT 2010	
	Acquisition finished: Fri Jun 4 10:03:53 EDT 2010	
	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
		<del></del>
Analysis:	Expected results achieved	
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### 5.2.54 SPT-20 (Blackberry 9700)

Test Case SPT	-20 XRY/XACT Version 5.0.2	
Case Summary:	SPT-20 Acquire SIM memory and review reported text messages	
Assertions:	SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII SMS text messages shall be presented in a useable format.	
	SPT-AO-15 If a cellular forensic tool completes acquisition of SIM without error then ASCII EMS text messages shall be presented by the statement of the statem	-
	SPT-AO-16 If a cellular forensic tool completes acquisition of SIM without error then the corresponding date/time stamps for messages shall be presented in a useable format.	-
	SPT-AO-17 If a cellular forensic tool completes acquisition of SIM without error then the corresponding status (i.e., read, text messages shall be presented in a useable format.	-
	SPT-AO-18 If a cellular forensic tool completes acquisition of SIM without error then the corresponding sender / recipient property for text messages shall be presented in a useable format.	_
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 4 10:04:28 EDT 2010	
Device:	ATT_SIM	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 4 10:04:28 EDT 2010 Acquisition finished: Fri Jun 4 10:28:35 EDT 2010	
	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	
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### 5.2.55 SPT-21 (Blackberry 9700)

Test Case SPT	-21 XRY/XACT Version 5.0.2	
Case	SPT-21 Acquire SIM memory and review recoverable deleted text messages	
Summary:	(SMS, EMS).	
Assertions:	SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error then deleted text messages that have not been overwritten shall be presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 4 10:29:02 EDT 2010	
Device:	ATT_SIM	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 4 10:29:02 EDT 2010 Acquisition finished: Fri Jun 4 10:41:40 EDT 2010  Deleted text message data was recovered	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-19 Acquisition of non-overwritten deleted text messages.	as expected
Analysis:	Expected results achieved	

### 5.2.56 SPT-22 (Blackberry 9700)

Test Case SPT	-22 XRY/XACT Version 5.0.2	
Case	SPT-22 Acquire SIM memory and review reported location related data (i.e.,	
Summary:	LOCI, GPRSLOCI).	
Assertions:	SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., LOCI) shall be presented in a useable format.  SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., GRPSLOCI) shall be presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 4 12:07:31 EDT 2010	
Device:	ATT_SIM	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log	Created by Micro Systemation XRY/XACT Version 5.	0.2
Highlights:	Acquisition started: Fri Jun 4 12:07:31 EDT 2010	
	Acquisition finished: Fri Jun 4 12:07:39 EDT 2010	
	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
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Analysis:	Expected results achieved	

### 5.2.57 SPT-23 (Blackberry 9700)

Test Case SPT	-23 XRY/XACT Version 5.0.2	
Case	SPT-23 Acquire SIM memory by selecting a combination of supported data	
Summary:	elements.	
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).  SPT-AO-22 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects acquisition option then the tool shall complete the acquisition of all data objects without error.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 4 12:07:58 EDT 2010	
Device:	ATT_SIM	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log	Created by Micro Systemation XRY/XACT Version 5.0.2	
Highlights:	Acquisition started: Fri Jun 4 12:07:58 EDT 2010	
	Acquisition finished: Fri Jun 4 12:08:11 EDT 2010  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
Analysis:	Expected results achieved	

### 5.2.58 SPT-24 (Blackberry 9700)

Test Case SPT	-24 XRY/XACT Version 5.0.2	
Case	SPT-24 Acquire mobile device internal memory and review reported data via	
Summary:	supported generated report formats.	
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format via supported generated report formats.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 4 12:26:02 EDT 2010	
Device:	BlackBerry_9700	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 4 12:26:02 EDT 2010 Acquisition finished: Fri Jun 4 12:28:39 EDT 2010  Complete representation of known data via generated reports was successful	
Results:		
11004100	Assertion & Expected Result	Actual Result
	SPT-A0-25 Comparison of known device data elements via generated reports.	as expected
Analysis:	Expected results achieved	

### 5.2.59 SPT-25 (Blackberry 9700)

Test Case SPT	-25 XRY/XACT Version 5.0.2	
Case	SPT-25 Acquire mobile device internal memory and review reported data via	
Summary:	the preview pane.	
Assertions:	SPT-A0-26 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format in a preview-pane view.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 4 12:29:08 EDT 2010	
Device:	Blackberry_9700	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 4 12:29:08 EDT 2010 Acquisition finished: Fri Jun 4 12:30:30 EDT 2010  Complete representation of known data via preview-pane was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-26 Comparison of known device data elements via preview-pane.	as expected
Analysis:	Expected results achieved	

### 5.2.60 SPT-26 (Blackberry 9700)

Test Case SPT	-26 XRY/XACT Version 5.0.2	
Case Summary:	SPT-26 Acquire SIM memory and review reported data via support 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:	Fri Jun 4 12:30:52 EDT 2010	
Device:	ATT_SIM	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 4 12:30:52 EDT 2010 Acquisition finished: Fri Jun 4 12:33:09 EDT 2010  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:	Throughod warulby askinged	
Analysis:	Expected results achieved	

### 5.2.61 SPT-27 (Blackberry 9700)

Test Case SPT	-27 XRY/XACT Version 5.0.2	
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:	Fri Jun 4 12:33:30 EDT 2010	
Device:	ATT_SIM	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 4 12:33:30 EDT 2010 Acquisition finished: Fri Jun 4 12:35:26 EDT 2010  Complete representation of known data via preview-pane was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-26 Comparison of known device data elements via preview-pane.	as expected
Analysis:	Expected results achieved	

### 5.2.62 SPT-28 (Blackberry 9700)

Test Case SPT-	-28 XRY/XACT Version 5.0.2	
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:	Fri Jun 4 12:35:55 EDT 2010	
Device:	ATT_SIM	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log	Created by Micro Systemation XRY/XACT Version 5.0.2	
Highlights:	Acquisition started: Fri Jun 4 12:35:55 EDT 2010	
	Acquisition finished: Fri Jun 4 12:37:43 EDT 2010	
	Ability to enter PIN on protected media before acquisition was successful	
	Ability to their lin on protected media before dequibition was successful	
Results:		
	Assertion & Expected Result Actual Result	
	SPT-AO-28 Acquisition of password protected SIM. as expected	
Analysis:	Expected results achieved	

### 5.2.63 SPT-29 (Blackberry 9700)

Test Case SPT	-29 XRY/XACT Version 5.0.2		
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:	Fri Jun 4 12:38:50 EDT 2010		
Device:	Blackberry_9700		
Source	OS: WIN XP		
Setup:	Interface: cable		
Log	Created by Micro Systemation XRY/XACT Version 5.0.2		
Highlights:	Acquisition started: Fri Jun 4 12:38:50 EDT 2010		
3 3	Acquisition finished: Fri Jun 4 12:40:36 EDT 2010		
	Notification of modified device memory data was successful		
Results:			
	Assertion & Expected Result Actual Result		
	SPT-AO-27 Notification of modified device case data. as expected		
Analysis:	Expected results achieved		

### 5.2.64 SPT-30 (Blackberry 9700)

Test Case SPT-	-30 XRY/XACT Version 5.0.2		
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:	Fri Jun 4 12:41:00 EDT 2010		
Device:	ATT_SIM		
Source	OS: WIN XP		
Setup:	Interface: USB		
Log	Created by Micro Systemation XRY/XACT Version 5.0.2		
Highlights:	Acquisition started: Fri Jun 4 12:41:00 EDT 2010		
	Acquisition finished: Fri Jun 4 12:41:58 EDT 2010		
	Notification of modified SIM data was successful		
Results:			
	Assertion & Expected Result Actual Result		
	SPT-AO-27 Notification of modified device case data. as expected		
Analysis:	Expected results achieved		

### 5.2.65 SPT-33 (Blackberry 9700)

Summary: :	characters then the application should present address book their native format.	non-ASCII
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of characters then the application should present address book their native format.	
	characters then the application should present address book their native format.	
	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters then the application should present address book entries in their native format.  SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters then the application should present text messages in their native format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 4 14:05:04 EDT 2010	
Device:	Blackberry_bold9700	
Source	OS: WIN XP	
Setup:	Interface: cable	
Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 4 14:05:04 EDT 2010 Acquisition finished: Fri Jun 4 14:08:46 EDT 2010  Non-ASCII Address book entries were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-40 Acquisition of non-ASCII address book entries/ADNs.	as expected
	SPT-AO-41 Acquisition of non-ASCII text messages.	as expected
Analysis:	Expected results achieved	

### 5.2.66 SPT-34 (Blackberry 9700)

Test Case SPT	-34 XRY/XACT Version 5.0.2		
Case Summary:	SPT-34 Acquire SIM memory and review data containing non-ASCII characters.		
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters then the application should present ADNs in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters then the application should present text messages in their native format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Fri Jun 4 14:09:20 EDT 2010		
Device:	ATT_SIM		
Source	OS: WIN XP		
Setup:	Interface: USB		
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 4 14:09:20 EDT 2010 Acquisition finished: Fri Jun 4 14:10:53 EDT 2010  Non-ASCII ADNs were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-40 Acquisition of non-ASCII address book entries/ADNs.	as expected	
	SPT-AO-41 Acquisition of non-ASCII text messages.	as expected	
Analysis:	Expected results achieved		

### 5.2.67 SPT-35 (Blackberry 9700)

Test Case SPT	-35 XRY/XACT Version 5.0.2			
Case Summary:	SPT-35 Begin acquisition on a PIN protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.			
Assertions:	SPT-AO-29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts then the application should provide an accurate count of the remaining PIN attempts.			
Tester Name:	rpa			
Test Host:	Morrisy			
Test Date:	Fri Jun 4 14:11:20 EDT 2010			
Device:	ATT_SIM			
Source Setup:	OS: WIN XP Interface: USB			
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 4 14:11:20 EDT 2010 Acquisition finished: Fri Jun 4 14:15:37 EDT 2010 The remaining number of PIN attempts were properly displayed			
Results:				
	Assertion & Expected Result Actual Result			
	SPT-AO-29 Display remaining number of PIN attempts.	as expected		
Analysis:	Expected results achieved			

### 5.2.68 SPT-36 (Blackberry 9700)

Test Case SPT	-36 XRY/XACT Version 5.0.2		
Case Summary:	SPT-36 Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.		
Assertions:	SPT-AO-30 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts then the application should provide an accurate count of the remaining PUK attempts.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Fri Jun 4 14:15:59 EDT 2010		
Device:	ATT_SIM		
Source	OS: WIN XP		
Setup:	Interface: USB		
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 4 14:15:59 EDT 2010 Acquisition finished: Fri Jun 4 14:16:37 EDT 2010 Remaining number of PUK attempts were properly displayed		
Results:			
Assertion & Expected Result Actual Resu			
	SPT-AO-30 Display remaining number of PUK attempts.	as expected	
Analysis:	Expected results achieved		

### 5.2.69 SPT-38 (Blackberry 9700)

Test Case SPT	-38 XRY/XACT Version 5.0.2		
Case Summary:	SPT-38 Acquire mobile device internal memory and review hash values for vendor supported data objects.		
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Fri Jun 4 14:17:27 EDT 2010		
Device:	Blackberry_9700		
Source	OS: WIN XP		
Setup:	Interface: cable		
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 4 14:17:27 EDT 2010 Acquisition finished: Fri Jun 4 14:20:16 EDT 2010  Hash values were properly reported for individually acquired device data elements		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-43 Acquire data, check known hash values for consistency.	as expected	
Analysis:	Expected results achieved		

### 5.2.70 SPT-01 (Nokia e71x)

Test Case SPT	T-01 XRY/XACT Version 5.0.2		
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:	Fri Jun 11 08:10:12 EDT 2010		
Device:	Nokia_e71x		
Source	OS: WIN XP		
Setup:	Interface: bluetooth		
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 11 08:10:12 EDT 2010 Acquisition finished: Fri Jun 11 08:45:54 EDT 2010 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-32 Perform back-to-back acquisitions, check device payload for modifications.	as expected	
Analysis:	Expected results achieved		

### 5.2.71 SPT-02 (Nokia e71x)

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Test Case SPT	-02 XRY/XACT Version 5.0.2	
Case	SPT-02 Attempt internal memory acquisition of a non-supported mobile	
Summary:	device.	
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to connect to a non-	
	supported device then the tool shall notify the user that the device is not	
	supported.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 11 08:46:34 EDT 2010	
Device:	unsupported_device	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log	Created by Micro Systemation XRY/XACT Version 5.0.2	
Highlights:	Acquisition started: Fri Jun 11 08:46:34 EDT 2010	
	Acquisition finished: Fri Jun 11 08:53:24 EDT 2010	
	Identification of non-supported devices was successful	
Results:		
	Assertion & Expected Result Actual Result	
	SPT-CA-02 Identification of non-supported devices. as expected	
Analysis:	Expected results achieved	
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### 5.2.72 SPT-03 (Nokia e71x)

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Test Case SPT	-03 XRY/XACT Version 5.0.2	
Case	SPT-03 Begin mobile device internal memory acquisition and interrupt	
Summary:	connectivity by interface disengagement.	
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic	
	tool is disrupted then the tool shall notify the user that connectivity has	
	been disrupted.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 11 09:06:50 EDT 2010	
Device:	Nokia_e71x	
Source	OS: WIN XP	
Setup:	Interface: bluetooth	
Log	Created by Micro Systemation XRY/XACT Version 5.0.2	
Highlights:	Acquisition started: Fri Jun 11 09:06:50 EDT 2010	
	Acquisition finished: Fri Jun 11 09:07:39 EDT 2010	
	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	

### 5.2.73 SPT-04 (Nokia e71x)

Test Case SPT	-04 XRY/XACT Version 5.0.2		
Case	SPT-04 Acquire mobile device internal memory and review reported data via		
Summary:	the preview-pane or generated reports for readability.		
Assertions:	SPT-CA-04 If a cellular forensic tool completes acquisition of the target		
	device without error then the tool shall have the ability to present		
	acquired data objects in a useable format via either a preview-pane or		
	generated report.		
Tester	rpa		
Name:			
Test Host:	Morrisy		
Test Date:	Fri Jun 11 09:08:14 EDT 2010		
Device:	Nokia_e71x		
Source	OS: WIN XP		
Setup:	Interface: bluetooth		
Log	Created by Micro Systemation XRY/XACT Version 5.0.2		
Highlights:	Acquisition started: Fri Jun 11 09:08:14 EDT 2010		
	Acquisition finished: Fri Jun 11 09:12:18 EDT 2010		
	Readability and completeness of acquired data was successful		
	Readability and completeness of dequired 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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### 5.2.74 SPT-05 (Nokia e71x)

Test Case SPT	-05 XRY/XACT Version 5.0.2			
Case Summary:	SPT-05 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).			
Assertions:	SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error then subscriber-related information shall be presented in a useable format.  SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error then equipment related information shall be presented in a useable format.			
Tester Name:	rpa			
Test Host:	Morrisy			
Test Date:	Fri Jun 11 09:19:09 EDT 2010			
Device:	Nokia_e71x			
Source	OS: WIN XP			
Setup:	Interface: bluetooth			
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 11 09:19:09 EDT 2010 Acquisition finished: Fri Jun 11 09:22:20 EDT 2010 Subscriber and Equipment related data (i.e., MSISDN, IMEI) were acquired			
Results:				
	Assertion & Expected Result Actual Result			
	SPT-CA-05 Acquisition of MSISDN, IMSI. as expected			
	SPT-CA-06 Acquisition of IMEI/MEID/ESN.	as expected		
Analysis:	Expected results achieved			

### 5.2.75 SPT-06 (Nokia e71x)

Test Case SPT	-06 XRY/XACT Version 5.0.2		
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 o		
	device without error then address book entries shall be prese	nted in a	
	useable format.		
	SPT-CA-08 If a cellular forensic tool completes acquisition o		
	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 o		
	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.	iik iiailies siiaii	
	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.	ICBS DOOK	
	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	f the target	
	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,	note entries	
	shall be presented in a useable format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Fri Jun 11 09:23:02 EDT 2010		
Device:	Nokia_e71x		
Source	OS: WIN XP		
Setup:	Interface: bluetooth		
Decap	1110011400 214000001		
Log	Created by Micro Systemation XRY/XACT Version 5.0.2		
Highlights:	Acquisition started: Fri Jun 11 09:23:02 EDT 2010		
	Acquisition finished: Fri Jun 11 09:34:07 EDT 2010		
	All address book entries were successfully acquired		
	ALL PIM related data was acquired		
D1+			
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 capected	
	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.	22.7.00000	
	SPT-CA-12 Acquisition of embedded graphics within address	as expected	
	book entries.	1	
	SPT-CA-13 Acquisition of PIM data (i.e.,	as expected	
	datebook/calendar, notes).	23.7.00000	
	SPT-CA-14 Acquisition of maximum length PIM data.	as expected	
Analysis:	Expected results achieved		

### 5.2.76 SPT-07 (Nokia e71x)

Test Case SPT	-07 XRY/XACT Version 5.0.2		
Case Summary:	SPT-07 Acquire mobile device internal memory and review reported call logs.		
Assertions:	SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error then call logs (incoming/outgoing/missed) shall be presented in a useable format.  SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Fri Jun 11 09:35:18 EDT 2010		
Device:	Nokia_e71x		
Source	OS: WIN XP		
Setup:	Interface: bluetooth		
Log	Created by Micro Systemation XRY/XACT Version 5.0.2		
Highlights:	Acquisition started: Fri Jun 11 09:35:18 EDT 2010 Acquisition finished: Fri Jun 11 10:17:09 EDT 2010		
	All Call Logs (incoming, outgoing, missed) were acqui All Call Log date/time stamps data were correctly rep		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-15 Acquisition of call logs.	as expected	
	SPT-CA-16 Acquisition of call log date/time stamps.	as expected	
Analysis:	Expected results achieved		

### 5.2.77 SPT-08 (Nokia e71x)

Case	-08 XRY/XACT Version 5.0.2  SPT-08 Acquire mobile device internal memory and review report	tod tovt
Summary:		
Assertions:	messages.  SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format.  SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps for text messages shall be presented in a useable format.  SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.  SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 11 10:17:45 EDT 2010	
Device:	Nokia e71x	
Source	OS: WIN XP	
Setup:	Interface: bluetooth	
secup.	Intellace: Didecooth	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 11 10:17:45 EDT 2010 Acquisition finished: Fri Jun 11 10:27:13 EDT 2010  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.	
l l		

### 5.2.78 SPT-09 (Nokia e71x)

Test Case SPT	-09 XRY/XACT Version 5.0.2	
Case	SPT-09 Acquire mobile device internal memory and review rep	ported 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:	Fri Jun 11 10:38:45 EDT 2010	
Device:	Nokia_e71x	
Source	OS: WIN XP	
Setup:	Interface: bluetooth	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 11 10:38:45 EDT 2010 Acquisition finished: Fri Jun 11 10:42:54 EDT 2010 ALL MMS messages (Audio, Image, Video) were acquired	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-21 Acquisition of audio MMS messages.	as expected
	SPT-CA-22 Acquisition of graphic data image MMS messages.	as expected
	SPT-CA-23 Acquisition of video MMS messages.	as expected
Analysis:	Expected results achieved	

### 5.2.79 SPT-10 (Nokia e71x)

Test Case SPT	-10 XRY/XACT Version 5.0.2	
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	rpa	
Name:	194	
Test Host:	Morrisy	
Test Date:	Fri Jun 11 10:44:58 EDT 2010	
Device:	Nokia_e71x	
Source	OS: WIN XP	
Setup:	Interface: bluetooth	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 11 10:44:58 EDT 2010 Acquisition finished: Fri Jun 11 10:46:30 EDT 2010 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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### 5.2.80 SPT-11 (Nokia e71x)

Test Case SPT	-11 XRY/XACT Version 5.0.2	
Case Summary: Assertions:	SPT-11 Acquire mobile device internal memory and review application related data (i.e., word documents, spreadsheet, presentation documents).  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:	Fri Jun 11 12:15:43 EDT 2010	
Device:	Nokia_e71x	
Source	OS: WIN XP	
Setup:	Interface: bluetooth	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 11 12:15:43 EDT 2010 Acquisition finished: Fri Jun 11 12:17:41 EDT 2010 All application data was acquired	
Results:	Assertion & Expected Result  SPT-CA-27 Acquisition of application related data. as expected	
Analysis:	Expected results achieved	

### 5.2.81 SPT-13 (Nokia e71x)

Test Case SPT	-13 XRY/XACT Version 5.0.2		
Case	SPT-13 Acquire mobile device internal memory by selecting a combination of		
Summary:	supported data elements.		
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Fri Jun 11 12:18:54 EDT 2010		
Device:	Nokia_e71x		
Source	OS: WIN XP		
Setup:	Interface: bluetooth		
Log	Created by Micro Systemation XRY/XACT Version 5.0.2		
Highlights:	Acquisition started: Fri Jun 11 12:18:54 EDT 2010		
	Acquisition finished: Fri Jun 11 12:26:39 EDT 2010		
	Acquire All acquisition was successful		
Results:			
	Assertion & Expected Result Actual Result		
	SPT-CA-29 Acquire-All data objects acquisition. as expected		
Analysis:	Expected results achieved		

### 5.2.82 SPT-14 (Nokia e71x)

Test Case SPT	-14 XRY/XACT Version 5.0.2		
Case Summary:	SPT-14 Acquire SIM memory over supported interfaces (e.g., PC/SC reader).		
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Fri Jun 11 12:38:33 EDT 2010		
Device:	ATT_SIM		
Source	OS: WIN XP		
Setup:	Interface: USB		
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 11 12:38:33 EDT 2010 Acquisition finished: Fri Jun 11 12:41:43 EDT 2010 Media connectivity was established via supported interface		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-01 SIM connectivity via supported interfaces.	as expected	
Analysis:	Expected results achieved		

### 5.2.83 SPT-15 (Nokia e71x)

Test Case SPT-	15 XRY/XACT Version 5.0.2		
Case	SPT-15 Attempt acquisition of a non-supported SIM.		
Summary:			
Assertions:	SPT-AO-02 If a cellular forensic tool attempts to connect to a non-supported SIM then the tool shall notify the user that the SIM is not supported.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Fri Jun 11 12:42:08 EDT 2010		
Device:	Unsupported_sim		
Source	OS: WIN XP		
Setup:	Interface: USB		
Log	Created by Micro Systemation XRY/XACT Version 5.0.2		
Highlights:	Acquisition started: Fri Jun 11 12:42:08 EDT 2010		
	Acquisition finished: Fri Jun 11 12:50:02 EDT 2010		
	Identification of non-supported media was successful		
Results:			
	Assertion & Expected Result Actual Result		
	SPT-AO-02 Identification of non-supported SIMs. as expected		
Analysis:	Expected results achieved		

### 5.2.84 SPT-16 (Nokia e71x)

	,	
Test Case SPT-	-16 XRY/XACT Version 5.0.2	
Case	SPT-16 Begin SIM acquisition and interrupt connectivity by interface	
Summary:	disengagement.	
Assertions:	SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM	
	reader then the tool shall notify the user that connectivity has been	
	disrupted.	
The set and Maria A		
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 11 12:50:21 EDT 2010	
Device:	ATT_SIM	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log	Created by Micro Systemation XRY/XACT Version 5.0.2	
Highlights:	Acquisition started: Fri Jun 11 12:50:21 EDT 2010	
	Acquisition finished: Fri Jun 11 12:58:46 EDT 2010	
	Media acquisition disruption notification was successful	
7. 1		
Results:		
	Assertion & Expected Result  Actual Result	
	SPT-A0-03 Notification of SIM acquisition disruption. as expected	
Analysis:	Expected results achieved	

### 5.2.85 SPT-17 (Nokia e71x)

Test Case SPT-	-17 XRY/XACT Version 5.0.2		
Case	SPT-17 Acquire SIM memory and review reported subscriber and equipment		
Summary:	related information (i.e., SPN, ICCID, IMSI, MSISDN).		
Assertions:	SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error then the SPN shall be presented in a useable format. SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error then the ICCID shall be presented in a useable format. SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error then the IMSI shall be presented in a useable format. SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error then the MSISDN shall be presented in a useable format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Fri Jun 11 12:59:02 EDT 2010		
Device:	ATT_SIM		
Source	OS: WIN XP		
Setup:	Interface: USB		
Log Highlights:	Created by Micro Systemation XRY/X Acquisition started: Fri Jun 11 12 Acquisition finished: Fri Jun 11 1 All subscriber-related data (i.e.,	:59:02 EDT 2010 3:12:10 EDT 2010	
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-04 Acquisition of SPN.	as expected	
	SPT-AO-05 Acquisition of ICCID.	as expected	
	SPT-AO-06 Acquisition of IMSI.	as expected	
	SPT-AO-07 Acquisition of MSISDN.	as expected	
Analysis:	Expected results achieved		

### 5.2.86 SPT-18 (Nokia e71x)

Test Case SPT-	-18 XRY/XACT Version 5.0.2		
Case	SPT-18 Acquire SIM memory and review reported Abbreviated Dialing Numbers		
Summary:	(ADN).		
Assertions:	SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format.  SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error then maximum length 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 11 13:13:36 EDT 2010		
Device:	ATT_SIM		
Source	OS: WIN XP		
Setup:	Interface: USB		
Log	Created by Micro Systemation XRY/XACT Version 5.0.	2	
Highlights:	Acquisition started: Fri Jun 11 13:13:36 EDT 2010		
	Acquisition finished: Fri Jun 11 13:19:47 EDT 2010		
	All ADNs were acquired		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-08 Acquisition of ADNs.	as expected	
	SPT-A0-09 Acquisition of maximum length ADNs.	as expected	
	SPT-A0-10 Acquisition of special character ADNs.	as expected	
	SPT-AO-11 Acquisition of blank name ADNs.	as expected	
		<u>,                                     </u>	
Analysis:	Expected results achieved		

# 5.2.87 SPT-19 (Nokia e71x)

Test Case SPT	-19 XRY/XACT Version 5.0.2	
Case Summary:	SPT-19 Acquire SIM memory and review reported La	st 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 11 13:20:06 EDT 2010	
Device:	ATT_SIM	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5. Acquisition started: Fri Jun 11 13:20:06 EDT 201 Acquisition finished: Fri Jun 11 13:25:40 EDT 20  LNDs were acquired Date/Time Stamps correctly reported for LNDs	0
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-12 Acquisition of LNDs.	as expected
	SPT-AO-13 Acquisition of LND date/time stamps.	as expected
Analysis:	Expected results achieved	

# 5.2.88 SPT-20 (Nokia e71x)

Test Case SPT	-20 XRY/XACT Version 5.0.2	
Case	SPT-20 Acquire SIM memory and review reported text messages	(SMS, EMS).
Summary:		
Assertions:	SPT-AO-14 If a cellular forensic tool completes acquisition SIM without error then ASCII SMS text messages shall be presuseable format.  SPT-AO-15 If a cellular forensic tool completes acquisition SIM without error then ASCII EMS text messages shall be presuseable format.  SPT-AO-16 If a cellular forensic tool completes acquisition 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 SIM without error then the corresponding status (i.e., read, text messages shall be presented in a useable format.  SPT-AO-18 If a cellular forensic tool completes acquisition SIM without error then the corresponding sender / recipient for text messages shall be presented in a useable format.	of the target sented in a of the target or all text of the target unread) for of the target
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 11 13:26:07 EDT 2010	
Device:	ATT_SIM	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 11 13:26:07 EDT 2010 Acquisition finished: Fri Jun 11 13:43:23 EDT 2010  ALL text messages (SMS, EMS) were acquired All date/time stamps were reported for text messages Correct status flags were reported for text messages Sender and Recipient phone numbers associated with text mess 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	as expected
	associated with text messages.	

# 5.2.89 SPT-21 (Nokia e71x)

Test Case SPT	-21 XRY/XACT Version 5.0.2	
Case Summary:	SPT-21 Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).	
Assertions:	SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error then deleted text messages that have not been overwritten shall be presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 11 13:44:05 EDT 2010	
Device:	ATT_SIM	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 11 13:44:05 EDT 2010 Acquisition finished: Fri Jun 11 13:47:14 EDT 2010 Deleted text message data was recovered	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-19 Acquisition of non-overwritten deleted text messages.	as expected
Analysis:	Expected results achieved	

# 5.2.90 SPT-22 (Nokia e71x)

Test Case SPT	-22 XRY/XACT Version 5.0.2	
Case Summary:	SPT-22 Acquire SIM memory and review reported lo LOCI, GPRSLOCI).	cation related data (i.e.,
Assertions:	SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., LOCI) shall be presented in a useable format.  SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., GRPSLOCI) shall be presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 11 13:47:39 EDT 2010	
Device:	ATT_SIM	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5. Acquisition started: Fri Jun 11 13:47:39 EDT 201 Acquisition finished: Fri Jun 11 13:57:07 EDT 20 LOCI data was acquired GPRSLOCI data was acquired	0
Results:		
	Assertion & Expected Result	Actual Result
	SPT-A0-20 Acquisition of LOCI information.	as expected
	SPT-AO-21 Acquisition of GPRSLOCI information.	as expected
Analysis:	Expected results achieved	

# 5.2.91 SPT-23 (Nokia e71x)

Test Case SPT	-23 XRY/XACT Version 5.0.2	
Case	SPT-23 Acquire SIM memory by selecting a combination of supported data	
Summary:	elements.	
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).  SPT-AO-22 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects acquisition option then the tool shall complete the acquisition of all data objects without error.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 11 13:57:26 EDT 2010	
Device:	ATT_SIM	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log	Created by Micro Systemation XRY/XACT Version 5.0.2	
Highlights:	Acquisition started: Fri Jun 11 13:57:26 EDT 2010	
	Acquisition finished: Fri Jun 11 13:57:33 EDT 2010	
	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
Analysis:	Expected results achieved	

# 5.2.92 SPT-24 (Nokia e71x)

Test Case SPT	-24 XRY/XACT Version 5.0.2	
Case Summary:	SPT-24 Acquire mobile device internal memory and review reposupported generated report formats.	rted data via
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition device without error then the tool shall present the acquire useable format via supported generated report formats.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 11 13:58:07 EDT 2010	
Device:	Nokia_e71x	
Source	OS: WIN XP	
Setup:	Interface: bluetooth	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 11 13:58:07 EDT 2010 Acquisition finished: Fri Jun 11 14:00:25 EDT 2010 Complete representation of known data via generated reports	was successful
Results:		
	Assertion & Expected Result	Actual Result
	SPT-A0-25 Comparison of known device data elements via generated reports.	as expected
Analysis:	Expected results achieved	

# 5.2.93 SPT-25 (Nokia e71x)

Test Case SPT	-25 XRY/XACT Version 5.0.2	
Case	SPT-25 Acquire mobile device internal memory and review repo	orted 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 useable format in a preview-pane view.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 11 14:00:50 EDT 2010	
Device:	Nokia_e71x	
Source	OS: WIN XP	
Setup:	Interface: bluetooth	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 11 14:00:50 EDT 2010 Acquisition finished: Fri Jun 11 14:04:12 EDT 2010  Complete representation of known data via preview-pane was s	successful
Results:		
	Assertion & Expected Result	Actual Result
	SPT-A0-26 Comparison of known device data elements via preview-pane.	as expected
Analysis:	Expected results achieved	

# 5.2.94 SPT-26 (Nokia e71x)

Test Case SPT	-26 XRY/XACT Version 5.0.2	
Case Summary:	SPT-26 Acquire SIM memory and review reported data via support formats.	rted generated
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition without error then the tool shall present the acquired data format via supported generated report formats.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 11 14:04:29 EDT 2010	
Device:	ATT_SIM	
Source Setup:	OS: WIN XP Interface: USB	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 11 14:04:29 EDT 2010 Acquisition finished: Fri Jun 11 14:08:03 EDT 2010  Complete representation of known data via generated reports v	was successful
Results:		
	Assertion & Expected Result  SPT-AO-25 Comparison of known device data elements via	Actual Result as expected
	generated reports.	as expected
Analysis:	Expected results achieved	

# 5.2.95 SPT-27 (Nokia e71x)

Test Case SPT	-27 XRY/XACT Version 5.0.2	
Case Summary:	SPT-27 Acquire SIM memory and review reported data via the p	preview-pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition without error then the tool shall present the acquired data format in a preview-pane view.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 11 14:08:27 EDT 2010	
Device:	ATT_SIM	
Source Setup:	OS: WIN XP Interface: USB	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 11 14:08:27 EDT 2010 Acquisition finished: Fri Jun 11 14:21:15 EDT 2010 Complete representation of known data via preview-pane was s	successful
Results:	Assertion & Expected Result  SPT-AO-26 Comparison of known device data elements via preview-pane.	Actual Result as expected
Analysis:	Expected results achieved	

# 5.2.96 SPT-28 (Nokia e71x)

Test Case SPT-	-28 XRY/XACT Version 5.0.2
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:	Fri Jun 11 14:22:54 EDT 2010
Device:	ATT_SIM
Source	OS: WIN XP
Setup:	Interface: USB
Log	Created by Micro Systemation XRY/XACT Version 5.0.2
Highlights:	Acquisition started: Fri Jun 11 14:22:54 EDT 2010
	Acquisition finished: Fri Jun 11 14:31:23 EDT 2010
	Ability to enter PIN on protected media before acquisition was successful
Results:	
	Assertion & Expected Result Actual Result
	SPT-AO-28 Acquisition of password protected SIM. as expected
Analysis:	Expected results achieved

# 5.2.97 SPT-29 (Nokia e71x)

Test Case SPT	-29 XRY/XACT Version 5.0.2	
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:	Fri Jun 11 14:32:05 EDT 2010	
Device:	Nokia_e71x	
Source Setup:	OS: WIN XP Interface: bluetooth	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 11 14:32:05 EDT 2010 Acquisition finished: Fri Jun 11 14:35:26 EDT 2010 Notification of modified device memory data was successful	
Results:	Assertion & Expected Result  SPT-A0-27 Notification of modified device case data. as expected	
Analysis:	Expected results achieved	

# 5.2.98 SPT-30 (Nokia e71x)

Test Case SPT	Test Case SPT-30 XRY/XACT Version 5.0.2	
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:	Fri Jun 11 14:36:24 EDT 2010	
Device:	ATT_SIM	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log	Created by Micro Systemation XRY/XACT Version 5.0.2	
Highlights:	Acquisition started: Fri Jun 11 14:36:24 EDT 2010	
	Acquisition finished: Fri Jun 11 14:38:24 EDT 2010	
	Notification of modified SIM data was successful	
Results:		
	Assertion & Expected Result Actual Result	
	SPT-AO-27 Notification of modified device case data. as expected	
Analysis:	Expected results achieved	

# 5.2.99 SPT-33 (Nokia e71x)

Test Case SPT	-33 XRY/XACT Version 5.0.2	
Case	SPT-33 Acquire mobile device internal memory and review data	a containing
Summary:	non-ASCII characters.	a concarning
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of characters then the application should present address book their native format.  SPT-AO-41 If the cellular forensic tool supports proper displayed the control of the cont	entries in play of non-
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 11 14:39:01 EDT 2010	
Device:	Nokia_e71x	
Source	OS: WIN XP	
Setup:	Interface: bluetooth	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 11 14:39:01 EDT 2010 Acquisition finished: Fri Jun 11 14:42:35 EDT 2010  Non-ASCII Address book entries were acquired and properly d Non-ASCII text messages were acquired and properly displayed	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-40 Acquisition of non-ASCII address book entries/ADNs.	as expected
	SPT-AO-41 Acquisition of non-ASCII text messages.	as expected
Analysis:	Expected results achieved	

# 5.2.100 SPT-34 (Nokia e71x)

Test Case SPT	-34 XRY/XACT Version 5.0.2	
Case Summary:	SPT-34 Acquire SIM memory and review data containing no	n-ASCII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters then the application should present ADNs in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters then the application should present text messages in their native format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 11 14:42:59 EDT 2010	
Device:	ATT_SIM	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2  Acquisition started: Fri Jun 11 14:42:59 EDT 2010  Acquisition finished: Fri Jun 11 14:44:27 EDT 2010  Non-ASCII ADNs were acquired and properly displayed  Non-ASCII text messages were acquired and properly displayed	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-40 Acquisition of non-ASCII address book entries/ADNs.	as expected
	SPT-AO-41 Acquisition of non-ASCII text messages.	as expected
Analysis:	Expected results achieved	

# 5.2.101 SPT-35 (Nokia e71x)

Test Case SPT	-35 XRY/XACT Version 5.0.2	
Case Summary:	SPT-35 Begin acquisition on a PIN protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.	
Assertions:	SPT-AO-29 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts then the application should provide an accurate count of the remaining PIN attempts.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 11 14:46:02 EDT 2010	
Device:	ATT_SIM	
Source Setup:	OS: WIN XP Interface: USB	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 11 14:46:02 EDT 2010 Acquisition finished: Fri Jun 11 14:47:13 EDT 2010 The remaining number of PIN attempts were properly displayed	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-29 Display remaining number of PIN attempts.	as expected
Analysis:	Expected results achieved	

# 5.2.102 SPT-36 (Nokia e71x)

Test Case SPT	-36 XRY/XACT Version 5.0.2	
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:	Fri Jun 11 14:47:41 EDT 2010	
Device:	ATT_SIM	
Source	OS: WIN XP	
Setup:	Interface: USB	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 11 14:47:41 EDT 2010 Acquisition finished: Fri Jun 11 14:49:35 EDT 2010 Remaining number of PUK attempts were properly displa	yed
Results:	Assertion & Expected Result SPT-AO-30 Display remaining number of PUK attempts.	Actual Result as expected
Analysis:	Expected results achieved	

# 5.2.103 SPT-38 (Nokia e71x)

Test Case SPT	-38 XRY/XACT Version 5.0.2		
Case Summary:	SPT-38 Acquire mobile device internal memory and review has vendor supported data objects.	h values for	
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Fri Jun 11 14:50:28 EDT 2010		
Device:	Nokia_e71x		
Source	OS: WIN XP		
Setup:	Interface: bluetooth		
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Fri Jun 11 14:50:28 EDT 2010 Acquisition finished: Fri Jun 11 14:53:19 EDT 2010  Hash values were properly reported for individually acquired device data elements		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-43 Acquire data, check known hash values for consistency.	as expected	
Analysis:	Expected results achieved		

# 5.2.104 SPT-01 (HTC Touch Pro 2)

Case Summary: (e.g. Assertions: SPT-O the t device SPT-C device acqui gener SPT-C All" the a SPT-C acqui objec  Tester Name: Test Host: Morri Test Date: Med J Device: Setup: Log Highlights: Acqui	Y/XACT Version 5.0.2  1 Acquire mobile device internal memory over tool-suppor, cable, Bluetooth, IrDA).  A-01 If a cellular forensic tool provides support for co arget device then the tool shall successfully recognize e via all vendor supported interfaces (e.g., cable, Blue A-04 If a cellular forensic tool completes acquisition of e without error then the tool shall have the ability to red data objects in a useable format via either a previe ated report.  A-29 If a cellular forensic tool provides the user with device data objects acquisition option then the tool sha cquisition of all data objects without error.  A-32 If a cellular forensic tool completes two consecutisitions of the target device without error then the paylts) on the mobile device shall remain consistent.	nnectivity of the target tooth, IrDA). f the target present w-pane or an "Acquire ll complete ve logical
Summary: (e.g. Assertions: SPT-O the t device SPT-O device acqui gener SPT-O All" the a SPT-O acqui objec  Tester Name: Test Host: Morri Test Date: Wed J Device: HTC_T Source OS: W Setup: Inter  Log Creat Highlights: Acqui	, cable, Bluetooth, IrDA).  A-01 If a cellular forensic tool provides support for co arget device then the tool shall successfully recognize e via all vendor supported interfaces (e.g., cable, Blue A-04 If a cellular forensic tool completes acquisition o e without error then the tool shall have the ability to red data objects in a useable format via either a previe ated report.  A-29 If a cellular forensic tool provides the user with device data objects acquisition option then the tool sha cquisition of all data objects without error.  A-32 If a cellular forensic tool completes two consecutis sitions of the target device without error then the payl	nnectivity of the target tooth, IrDA). f the target present w-pane or an "Acquire ll complete ve logical
Assertions: SPT-C the t devices SPT-C devices acqui gener SPT-C All" the a SPT-C acqui object  Tester Name: Test Host: Morri Test Date: Wed J Device: HTC_T Source OS: W Setup: Inter  Log Creat Highlights: Acqui	A-01 If a cellular forensic tool provides support for co arget device then the tool shall successfully recognize e via all vendor supported interfaces (e.g., cable, Blue A-04 If a cellular forensic tool completes acquisition o e without error then the tool shall have the ability to red data objects in a useable format via either a previe ated report.  A-29 If a cellular forensic tool provides the user with device data objects acquisition option then the tool sha cquisition of all data objects without error.  A-32 If a cellular forensic tool completes two consecutis sitions of the target device without error then the payl	the target tooth, IrDA). f the target present w-pane or an "Acquire ll complete ve logical
Name: Test Host: Morri Test Date: Wed J Device: HTC_T Source OS: W Setup: Inter Log Creat Highlights: Acqui		
Test Host: Morri Test Date: Wed J Device: HTC_T Source OS: W Setup: Inter  Log Creat Highlights: Acqui		
Test Date: Wed J Device: HTC_T Source OS: W Setup: Inter  Log Creat Highlights: Acqui		
Device: HTC_T Source OS: W Setup: Inter  Log Creat Highlights: Acqui	sy	
Source OS: W Setup: Inter Log Creat Highlights: Acqui	un 16 07:23:12 EDT 2010	
Setup: Inter  Log Creat Highlights: Acqui	ouch_Pro2	
Log Creat Highlights: Acqui	IN XP	
Highlights: Acqui	face: cable	
Devic	ed by Micro Systemation XRY/XACT Version 5.0.2 sition started: Wed Jun 16 07:23:12 EDT 2010 sition finished: Wed Jun 16 07:28:42 EDT 2010 e connectivity was established via supported interface	
Results:		
	rtion & Expected Result	Actual Result
SPT-	CA-01 Device connectivity via supported interfaces.	as expected
	CA-04 Readability and completeness of acquired data via orted reports.	as expected
SPT-	CA-29 Acquire-All data objects acquisition.	as expected
	CA-32 Perform back-to-back acquisitions, check device oad for modifications.	as expected
Analysis: Expec		

# 5.2.105 SPT-02 (HTC Touch Pro 2)

Test Case SPT-	-02 XRY/XACT Version 5.0.2	
Case	SPT-02 Attempt internal memory acquisition of a non-	supported mobile
Summary:	device.	
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to consupported device then the tool shall notify the user supported.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 16 07:29:20 EDT 2010	
Device:	HTC_Touch_Pro2	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log	Created by Micro Systemation XRY/XACT Version 5.0.2	
Highlights:	Acquisition started: Wed Jun 16 07:29:20 EDT 2010	
	Acquisition finished: Wed Jun 16 07:31:26 EDT 2010	
	Identification of non-supported devices was successful	ul
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-02 Identification of non-supported devices.	as expected
Analysis:	Expected results achieved	

# 5.2.106 SPT-03 (HTC Touch Pro 2)

mant Garage CDM	03 VDV (V3 CB V3 value of 0.00	$\overline{}$
	-03 XRY/XACT Version 5.0.2	
Case	SPT-03 Begin mobile device internal memory acquisition and interrupt	
Summary:	connectivity by interface disengagement.	
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic	
	tool is disrupted then the tool shall notify the user that connectivity has	s
	been disrupted.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 16 07:32:13 EDT 2010	
Device:	HTC_Touch_Pro2	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log	Created by Micro Systemation XRY/XACT Version 5.0.2	
Highlights:	Acquisition started: Wed Jun 16 07:32:13 EDT 2010	
	Acquisition finished: Wed Jun 16 07:37:22 EDT 2010	
	Device acquisition disruption notification was successful	
Results:		
	Assertion & Expected Result Actual Result	1
	SPT-CA-03 Notification of device acquisition disruption. as expected	1
		-
Analysis:	Expected results achieved	
11110111515	Impededa reputeb denieved	

# 5.2.107 SPT-04 (HTC Touch Pro 2)

Test Case SPT	-04 XRY/XACT Version 5.0.2	
Case	SPT-04 Acquire mobile device internal memory and review repor	ted data via
Summary:	the preview-pane or generated reports for readability.	
Assertions:	SPT-CA-04 If a cellular forensic tool completes acquisition of device without error then the tool shall have the ability to acquired data objects in a useable format via either a previet generated report.	present
Tester	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Wed Jun 16 07:53:30 EDT 2010	
Device:	HTC_Touch_Pro2	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log	Created by Micro Systemation XRY/XACT Version 5.0.2	
Highlights:	Acquisition started: Wed Jun 16 07:53:30 EDT 2010	
	Acquisition finished: Wed Jun 16 08:00:21 EDT 2010	
	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
	VIA SAPPOITE TEPOITES.	<u>l</u>
Analysis:	Expected results achieved	

# 5.2.108 SPT-05 (HTC Touch Pro 2)

Test Case SPT-05 XRY/XACT Version 5.0.2  Case SPT-05 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).  Assertions: SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error then subscriber-related information shall be presented in a useable format.  SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error then equipment related information shall be presented in a useable format.  Tester Name: rpa  Test Host: Morrisy  Test Date: Wed Jun 16 08:00:46 EDT 2010  Device: HTC_Touch_Pro2  Source OS: WIN XP  Setup: Interface: cable  Log Created by Micro Systemation XRY/XACT Version 5.0.2  Acquisition started: Wed Jun 16 08:00:46 EDT 2010  Acquisition finished: Wed Jun 16 08:02:36 EDT 2010  IMEI, MEID/ESN were acquired  Results:  Assertion & Expected Result		<u> </u>	
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 16 08:00:46 EDT 2010  Device: HTC_Touch_Pro2  Source OS: WIN XP  Setup: Interface: cable  Log Created by Micro Systemation XRY/XACT Version 5.0.2  Acquisition started: Wed Jun 16 08:00:46 EDT 2010  Acquisition finished: Wed Jun 16 08:02:36 EDT 2010  IMEI, MEID/ESN were acquired  Results:  Assertion & Expected Result Actual Result  SPT-CA-05 Acquisition of MSISDN, IMSI. as expected	Test Case SPT-		
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:  Test Pate:  Morrisy  Test Date:  Wed Jun 16 08:00:46 EDT 2010  Device:  HTC_Touch_Pro2  Source  Source  OS: WIN XP  Setup:  Interface: cable  Log  Highlights:  Acquisition started: Wed Jun 16 08:00:46 EDT 2010  Acquisition started: Wed Jun 16 08:00:46 EDT 2010  Acquisition finished: Wed Jun 16 08:02:36 EDT 2010  IMEI, MEID/ESN were acquired  Results:  Assertion & Expected Result  SPT-CA-05 Acquisition of MSISDN, IMSI. as expected	Case	1	1
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 16 08:00:46 EDT 2010  Device: HTC_Touch_Pro2  Source OS: WIN XP  Setup: Interface: cable  Log Created by Micro Systemation XRY/XACT Version 5.0.2  Acquisition started: Wed Jun 16 08:00:46 EDT 2010  Acquisition finished: Wed Jun 16 08:02:36 EDT 2010  IMEI, MEID/ESN were acquired  Results:  Assertion & Expected Result Actual Result SPT-CA-05 Acquisition of MSISDN, IMSI. as expected	Summary:	and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).	
Test Host: Morrisy  Test Date: Wed Jun 16 08:00:46 EDT 2010  Device: HTC_Touch_Pro2  Source OS: WIN XP Setup: Interface: cable  Log Highlights: Acquisition started: Wed Jun 16 08:00:46 EDT 2010 Acquisition finished: Wed Jun 16 08:02:36 EDT 2010  IMEI, MEID/ESN were acquired  Results:  Assertion & Expected Result Actual Result SPT-CA-05 Acquisition of MSISDN, IMSI. as expected	Assertions:	device without error then subscriber-relatin a useable format.  SPT-CA-06 If a cellular forensic tool complete without error then equipment related.	ted information shall be presented pletes acquisition of the target
Test Date: Wed Jun 16 08:00:46 EDT 2010  Device: HTC_Touch_Pro2  Source OS: WIN XP Setup: Interface: cable  Log Highlights: Created by Micro Systemation XRY/XACT Version 5.0.2  Acquisition started: Wed Jun 16 08:00:46 EDT 2010  Acquisition finished: Wed Jun 16 08:02:36 EDT 2010  IMEI, MEID/ESN were acquired  Results:  Assertion & Expected Result Actual Result  SPT-CA-05 Acquisition of MSISDN, IMSI. as expected	Tester Name:	rpa	
Device: HTC_Touch_Pro2  Source OS: WIN XP Setup: Interface: cable  Log Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Wed Jun 16 08:00:46 EDT 2010 Acquisition finished: Wed Jun 16 08:02:36 EDT 2010  IMEI, MEID/ESN were acquired  Results:  Assertion & Expected Result Actual Result SPT-CA-05 Acquisition of MSISDN, IMSI. as expected	Test Host:	Morrisy	
Source Setup:  OS: WIN XP Interface: cable  Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Wed Jun 16 08:00:46 EDT 2010 Acquisition finished: Wed Jun 16 08:02:36 EDT 2010  IMEI, MEID/ESN were acquired  Results:  Assertion & Expected Result SPT-CA-05 Acquisition of MSISDN, IMSI. as expected	Test Date:	Wed Jun 16 08:00:46 EDT 2010	
Setup: Interface: cable  Log Highlights: Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Wed Jun 16 08:00:46 EDT 2010 Acquisition finished: Wed Jun 16 08:02:36 EDT 2010  IMEI, MEID/ESN were acquired  Results: Assertion & Expected Result SPT-CA-05 Acquisition of MSISDN, IMSI. as expected	Device:	HTC_Touch_Pro2	
Log Highlights: Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Wed Jun 16 08:00:46 EDT 2010 Acquisition finished: Wed Jun 16 08:02:36 EDT 2010  IMEI, MEID/ESN were acquired  Results:  Assertion & Expected Result SPT-CA-05 Acquisition of MSISDN, IMSI. as expected	Source	OS: WIN XP	
Highlights: Acquisition started: Wed Jun 16 08:00:46 EDT 2010 Acquisition finished: Wed Jun 16 08:02:36 EDT 2010  IMEI, MEID/ESN were acquired  Results:  Assertion & Expected Result SPT-CA-05 Acquisition of MSISDN, IMSI. as expected	Setup:	Interface: cable	
Acquisition finished: Wed Jun 16 08:02:36 EDT 2010  IMEI, MEID/ESN were acquired  Results:  Assertion & Expected Result Actual Result  SPT-CA-05 Acquisition of MSISDN, IMSI. as expected	Log	Created by Micro Systemation XRY/XACT Ver	sion 5.0.2
Results:    Assertion & Expected Result   Actual Result	Highlights:		
Results:  Assertion & Expected Result  SPT-CA-05 Acquisition of MSISDN, IMSI. as expected		Acquisition finished: Wed Jun 16 08:02:36	EDT 2010
Assertion & Expected Result  SPT-CA-05 Acquisition of MSISDN, IMSI. as expected		IMEI, MEID/ESN were acquired	
SPT-CA-05 Acquisition of MSISDN, IMSI. as expected	Results:		
		Assertion & Expected Result	Actual Result
SPT-CA-06 Acquisition of IMEI/MEID/ESN. as expected		SPT-CA-05 Acquisition of MSISDN, IMSI.	as expected
		SPT-CA-06 Acquisition of IMEI/MEID/ESN.	as expected
Analysis: Expected results achieved	Analysis:	Expected results achieved	

# 5.2.109 SPT-06 (HTC Touch Pro 2)

	-06 XRY/XACT Version 5.0.2		
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 o		
ļ	device without error then address book entries shall be present	nted in a	
	useable format.	6 -1	
	SPT-CA-08 If a cellular forensic tool completes acquisition o		
	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 o	f the taxact	
ļ	device without error then address book entries containing spe		
	characters shall be presented in a useable format.	CIAI	
ļ	SPT-CA-10 If a cellular forensic tool completes acquisition o	f the target	
ļ	device without error then address book entries containing bla		
ļ	be presented in a useable format.		
ļ	SPT-CA-11 If a cellular forensic tool completes acquisition o	f the target	
ļ	device without error then email addresses associated with add	_	
ļ	entries shall be presented in a useable format.		
	SPT-CA-12 If a cellular forensic tool completes acquisition o	f the target	
ļ	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	
ļ	presented in a useable format.		
ļ	SPT-CA-14 If a cellular forensic tool completes acquisition o		
ļ	device without error then maximum length datebook, calendar,	note entries	
ļ	shall be presented in a useable format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Wed Jun 16 08:06:04 EDT 2010		
Device:	HTC_Touch_Pro2		
Source	OS: WIN XP		
Setup:	Interface: cable		
Log	Created by Micro Systemation XRY/XACT Version 5.0.2		
Highlights:	Acquisition started: Wed Jun 16 08:06:04 EDT 2010		
5 5	Acquisition finished: Wed Jun 16 08:13:12 EDT 2010		
ļ	All address book entries were successfully acquired		
ļ	ALL PIM related data was acquired		
Results:	Assertion & Expected Result	Actual	
ļ	Assertion & Expected Result	Result	
ļ	SPT-CA-07 Acquisition of address book entries.	as expected	
1			
ĺ	SPT-CA-08 Acquisition of maximum length address book	as expected	
	SPT-CA-08 Acquisition of maximum length address book entries.	as expected	
	SPT-CA-08 Acquisition of maximum length address book entries.  SPT-CA-09 Acquisition of address book entries containing		
	SPT-CA-08 Acquisition of maximum length address book entries.  SPT-CA-09 Acquisition of address book entries containing special characters.	as expected	
	SPT-CA-08 Acquisition of maximum length address book entries.  SPT-CA-09 Acquisition of address book entries containing special characters.  SPT-CA-10 Acquisition of address book entries containing a	as expected	
	SPT-CA-08 Acquisition of maximum length address book entries.  SPT-CA-09 Acquisition of address book entries containing special characters.	as expected as expected as expected	
	SPT-CA-08 Acquisition of maximum length address book entries.  SPT-CA-09 Acquisition of address book entries containing special characters.  SPT-CA-10 Acquisition of address book entries containing a blank name entry.	as expected	
	SPT-CA-08 Acquisition of maximum length address book entries.  SPT-CA-09 Acquisition of address book entries containing special characters.  SPT-CA-10 Acquisition of address book entries containing a blank name entry.  SPT-CA-11 Acquisition of embedded email addresses within	as expected as expected as expected	
	SPT-CA-08 Acquisition of maximum length address book entries.  SPT-CA-09 Acquisition of address book entries containing special characters.  SPT-CA-10 Acquisition of address book entries containing a blank name entry.  SPT-CA-11 Acquisition of embedded email addresses within address book entries.	as expected as expected as expected as expected	
	SPT-CA-08 Acquisition of maximum length address book entries.  SPT-CA-09 Acquisition of address book entries containing special characters.  SPT-CA-10 Acquisition of address book entries containing a blank name entry.  SPT-CA-11 Acquisition of embedded email addresses within address book entries.  SPT-CA-12 Acquisition of embedded graphics within address	as expected as expected as expected as expected	
	SPT-CA-08 Acquisition of maximum length address book entries.  SPT-CA-09 Acquisition of address book entries containing special characters.  SPT-CA-10 Acquisition of address book entries containing a blank name entry.  SPT-CA-11 Acquisition of embedded email addresses within address book entries.  SPT-CA-12 Acquisition of embedded graphics within address book entries.	as expected as expected as expected as expected as expected	
	SPT-CA-08 Acquisition of maximum length address book entries.  SPT-CA-09 Acquisition of address book entries containing special characters.  SPT-CA-10 Acquisition of address book entries containing a blank name entry.  SPT-CA-11 Acquisition of embedded email addresses within address book entries.  SPT-CA-12 Acquisition of embedded graphics within address book entries.  SPT-CA-13 Acquisition of PIM data (i.e.,	as expected as expected as expected as expected as expected	
	SPT-CA-08 Acquisition of maximum length address book entries.  SPT-CA-09 Acquisition of address book entries containing special characters.  SPT-CA-10 Acquisition of address book entries containing a blank name entry.  SPT-CA-11 Acquisition of embedded email addresses within address book entries.  SPT-CA-12 Acquisition of embedded graphics within address book entries.  SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	as expected	
	SPT-CA-08 Acquisition of maximum length address book entries.  SPT-CA-09 Acquisition of address book entries containing special characters.  SPT-CA-10 Acquisition of address book entries containing a blank name entry.  SPT-CA-11 Acquisition of embedded email addresses within address book entries.  SPT-CA-12 Acquisition of embedded graphics within address book entries.  SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	as expected	

# 5.2.110 SPT-07 (HTC Touch Pro 2)

Case	SPT-07 Acquire mobile device internal memory and revi	ew reported call loc
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	<u> </u>
Test Date:	Wed Jun 16 08:15:19 EDT 2010	<u> </u>
Device:	HTC_Touch_Pro2	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log	Created by Micro Systemation XRY/XACT Version 5.0.2	
Highlights:	<u> </u>	
	Acquisition finished: Wed Jun 16 08:18:58 EDT 2010	
		_
	All Call Logs (incoming, outgoing, missed) were acqui	
	All Call Log date/time stamps data were correctly rep	ortea
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
	1	

# 5.2.111 SPT-08 (HTC Touch Pro 2)

Test Case SPT	-08 XRY/XACT Version 5.0.2	
Case	SPT-08 Acquire mobile device internal memory and review report	rted text
Summary:	messages.	
Assertions:	SPT-CA-17 If a cellular forensic tool completes acquisition of device without error then ASCII text messages (i.e., SMS, EMS presented in a useable format.  SPT-CA-18 If a cellular forensic tool completes acquisition of device without error then the corresponding date/time stamps messages shall be presented in a useable format.  SPT-CA-19 If a cellular forensic tool completes acquisition of device without error then the corresponding status (i.e., rest text messages shall be presented in a useable format.  SPT-CA-20 If a cellular forensic tool completes acquisition of device without error then the corresponding sender / recipier numbers for text messages shall be presented in a useable for	s) shall be of the target for text of the target ad, unread) for of the target nt phone
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 16 08:35:15 EDT 2010	
Device:	HTC_Touch_Pro2	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Wed Jun 16 08:35:15 EDT 2010 Acquisition finished: Wed Jun 16 08:40:46 EDT 2010  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 correctly reported	
Results:	Assertion & Expected Result	Actual Result
	SPT-CA-17 Acquisition of text messages.	as expected
	SPT-CA-18 Acquisition of text message date/time stamps.	as expected
	SPT-CA-19 Acquisition of text message status flags.	as expected
	SPT-CA-20 Acquisition of sender/recipient phone number associated with text messages.	as expected
Analysis:	Expected results achieved	

# 5.2.112 SPT-09 (HTC Touch Pro 2)

Test Case SPT	-09 XRY/XACT Version 5.0.2	
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 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 16 08:42:20 EDT 2010	
Device:	HTC_Touch_Pro2	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Wed Jun 16 08:42:20 EDT 2010 Acquisition finished: Wed Jun 16 08:51:03 EDT 2010  ALL MMS messages (Audio, Image, Video) were acquired  Notes: A physical acquisition had to be performed in order to retrieve the textual portion of MMS messages.	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-21 Acquisition of audio MMS messages.	as expected
	SPT-CA-22 Acquisition of graphic data image MMS messages.	as expected
	SPT-CA-23 Acquisition of video MMS messages.	as expected
Analysis:	Expected results achieved	

# 5.2.113 SPT-10 (HTC Touch Pro 2)

Test Case SPT	-10 XRY/XACT Version 5.0.2	
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	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Wed Jun 16 09:08:03 EDT 2010	
Device:	HTC_Touch_Pro2	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Wed Jun 16 09:08:03 EDT 2010 Acquisition finished: Wed Jun 16 09:09:40 EDT 2010 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	

# 5.2.114 SPT-11 (HTC Touch Pro 2)

Test Case SPT	-11 XRY/XACT Version 5.0.2	
Case Summary: Assertions:	SPT-11 Acquire mobile device internal memory and review application related data (i.e., word documents, spreadsheet, presentation documents).  SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error then device specific application related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 16 09:10:20 EDT 2010	
Device:	HTC_Touch_Pro2	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Wed Jun 16 09:10:20 EDT 2010 Acquisition finished: Wed Jun 16 09:13:59 EDT 2010 All application data was acquired	
Results:	Assertion & Expected Result  SPT-CA-27 Acquisition of application related data. as expected	
Analysis:	Expected results achieved	

# 5.2.115 SPT-12 (HTC Touch Pro 2)

Test Case SPT	-12 XRY/XACT Version 5.0.2	
Case Summary:	SPT-12 Acquire mobile device internal memory and review Internet related data (i.e., bookmarks, visited sites.	
Assertions:	SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 16 09:15:31 EDT 2010	
Device:	HTC_Touch_Pro2	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Wed Jun 16 09:15:31 EDT 2010 Acquisition finished: Wed Jun 16 09:19:04 EDT 2010 All Internet related data was acquired	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-28 Acquisition of Internet related data.	as expected
Analysis:	Expected results achieved	

# 5.2.116 SPT-13 (HTC Touch Pro 2)

	,	
Test Case SPT-13 XRY/XACT Version 5.0.2		
Case	SPT-13 Acquire mobile device internal memory by selecting a combination of	
Summary:	supported data elements.	
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete	
	the acquisition of all data objects without error.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 16 09:19:31 EDT 2010	
Device:	HTC_Touch_Pro2	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log	Created by Micro Systemation XRY/XACT Version 5.0.2	
Highlights:	Acquisition started: Wed Jun 16 09:19:31 EDT 2010	
	Acquisition finished: Wed Jun 16 09:28:38 EDT 2010	
	Acquire All acquisition was successful	
Results:		
	Assertion & Expected Result Actual Result	
	SPT-CA-29 Acquire-All data objects acquisition. as expected	
Analysis:	Expected results achieved	

# 5.2.117 SPT-24 (HTC Touch Pro 2)

Test Case SPT	-24 XRY/XACT Version 5.0.2	
Case	SPT-24 Acquire mobile device internal memory and review reported data via	
Summary:	supported generated report formats.	
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the target	
	device without error then the tool shall present the acquired	d data in a
	useable format via supported generated report formats.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 16 09:39:04 EDT 2010	
Device:	HTC_Touch_Pro2	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log	Created by Micro Systemation XRY/XACT Version 5.0.2	
Highlights:	Acquisition started: Wed Jun 16 09:39:04 EDT 2010	
	Acquisition finished: Wed Jun 16 09:41:52 EDT 2010	
	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	

# 5.2.118 SPT-25 (HTC Touch Pro 2)

Test Case SPT	-25 XRY/XACT Version 5.0.2	
Case Summary:	SPT-25 Acquire mobile device internal memory and review reported data via the preview pane.	
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format in a preview-pane view.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 16 09:42:14 EDT 2010	
Device:	HTC_Touch_Pro2	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Wed Jun 16 09:42:14 EDT 2010 Acquisition finished: Wed Jun 16 09:45:47 EDT 2010  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	

# 5.2.119 SPT-29 (HTC Touch Pro 2)

m			
	-29 XRY/XACT Version 5.0.2		
Case	SPT-29 After a successful mobile device internal memory		
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:	Wed Jun 16 09:46:18 EDT 2010		
Device:	HTC_Touch_Pro2		
Source	OS: WIN XP		
Setup:	Interface: cable		
Log	Created by Micro Systemation XRY/XACT Version 5.0.2		
Highlights:	Acquisition started: Wed Jun 16 09:46:18 EDT 2010		
	Acquisition finished: Wed Jun 16 09:49:53 EDT 2010		
	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	
		<u>.                                    </u>	
Analysis:	Expected results achieved		
Analysis:	Expected results achieved		

# 5.2.120 SPT-31 (HTC Touch Pro 2)

Test Case SPT	-31 XRY/XACT Version 5.0.2	
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:	Wed Jun 16 10:00:33 EDT 2010	
Device:	HTC_Touch_Pro2	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log	Created by Micro Systemation XRY/XACT Version 5.0.2	
Highlights:	Acquisition started: Wed Jun 16 10:00:33 EDT 2010	
	Acquisition finished: Wed Jun 16 10:05:58 EDT 2010	
	Physical Acquisition: readability and completeness was successful	
Results:		
	Assertion & Expected Result	Actual
		Result
	SPT-AO-31 Physical acquisition, data is presented in a	as expected
	useable format.	
Analysis:	Expected results achieved	

# 5.2.121 SPT-32 (HTC Touch Pro 2)

Test Case SPT	-32 XRY/XACT Version 5.0.2	
Case	SPT-32 Perform a physical acquisition and review reports for	r recoverable
Summary:	deleted data.	
Assertions:	SPT-AO-32 If the cellular forensic tool supports the interp	retation 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 interp	retation of
	calendar, tasks, or notes present on the target device then	the tool shall
	report recoverable active and deleted calendar, tasks, or ne	ote data
	remnants in a useable format.	
	SPT-AO-34 If the cellular forensic tool supports the interpologs present on the target device then the tool shall report active and deleted call or call log data remnants in a useal	t recoverable
	SPT-AO-35 If the cellular forensic tool supports the interpole messages present on the target device then the tool shall recoverable active and deleted SMS messages or SMS message	eport
	a useable format. SPT-AO-36 If the cellular forensic tool supports the interpolation	retation of EMS
	messages present on the target device then the tool shall recoverable active and deleted EMS messages or EMS message	-
	a useable format. SPT-AO-37 If the cellular forensic tool supports the interpolation	retation of
	audio files present on the target device then the tool shal recoverable active and deleted audio data or audio file data	
	useable format. SPT-AO-38 If the cellular forensic tool supports the interp	
	graphic files present on the target device then the tool she recoverable active and deleted graphic file data or graphic	
	remnants in a useable format.	
	SPT-AO-39 If the cellular forensic tool supports the interp	
	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.	e data remnants
	In a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 16 10:06:22 EDT 2010	
Device:	HTC_Touch_Pro2	
Source	OS: WIN XP	
Setup:	Interface: cable	
-		
Log	Created by Micro Systemation XRY/XACT Version 5.0.2	
Highlights:	Acquisition started: Wed Jun 16 10:06:22 EDT 2010	
	Acquisition finished: Wed Jun 16 10:12:30 EDT 2010	
	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 not recovered	
	Deleted audio data was recovered	
	Deleted graphic data was recovered	
	Deleted video data was recovered	
Damilton		
Results:	Aggerties C Euroghed Page 14	Agh
	Assertion & Expected Result	Actual
	CDT AO 22 Dhyaigal aggrigition reserves of dalated	Result
	SPT-AO-32 Physical acquisition, recovery of deleted	NA
	address book entries.  SPT-AO-33 Physical acquisition, recovery of deleted PIM	NA
	11	IVA
	data.	
	data.  SPT-AO-34 Physical acquisition, recovery of deleted call	NA
	data.  SPT-AO-34 Physical acquisition, recovery of deleted call logs.	NA
	data.  SPT-AO-34 Physical acquisition, recovery of deleted call logs.  SPT-AO-35 Physical acquisition, recovery of deleted SMS	NA Not as
	data.  SPT-AO-34 Physical acquisition, recovery of deleted call logs.	NA

Test Case SPT-32 XRY/XACT Version 5.0.2		
	messages.	expected
	SPT-A0-37 Physical acquisition, recovery of deleted standalone audio files.	as expected
	SPT-A0-38 Physical acquisition, recovery of deleted graphic files.	as expected
	SPT-A0-39 Physical acquisition, recovery of deleted video files.	as expected
Analysis:	Partial results achieved	

## 5.2.122 SPT-33 (HTC Touch Pro 2)

Test Case SPT	-33 XRY/XACT Version 5.0.2		
Case	SPT-33 Acquire mobile device internal memory and review data containing		
Summary:	non-ASCII characters.		
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters then the application should present address book entries in their native format.  SPT-AO-41 If the cellular forensic tool supports proper display of non-ASCII characters then the application should present text messages in their native format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Wed Jun 16 10:21:22 EDT 2010		
Device:	HTC_Touch_Pro2		
Source	OS: WIN XP		
Setup:	Interface: cable		
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Wed Jun 16 10:21:22 EDT 2010 Acquisition finished: Wed Jun 16 10:25:18 EDT 2010  Non-ASCII Address book entries were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-40 Acquisition of non-ASCII address book entries/ADNs.	as expected	
	SPT-AO-41 Acquisition of non-ASCII text messages.	as expected	
Analysis:	Expected results achieved		

## 5.2.123 SPT-38 (HTC Touch Pro 2)

Test Case SPT	-38 XRY/XACT Version 5.0.2		
Case	SPT-38 Acquire mobile device internal memory and review hash values for		
Summary:	vendor supported data objects.		
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Wed Jun 16 10:26:16 EDT 2010		
Device:	HTC_Touch_Pro2		
Source	OS: WIN XP		
Setup:	Interface: cable		
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Wed Jun 16 10:26:16 EDT 2010 Acquisition finished: Wed Jun 16 10:28:30 EDT 2010  Hash values were properly reported for individually acquired device data elements		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-43 Acquire data, check known hash values for consistency.	as expected	
Analysis:	Expected results achieved		

## 5.2.124 SPT-01 (Blackberry 9630)

Test Case SPT	-01 XRY/XACT Version 5.0.2	
Case	SPT-01 Acquire mobile device internal memory over tool-support	ted interfaces
Summary:	(e.g., cable, Bluetooth, IrDA).	
Assertions:		
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jun 21 09:41:51 EDT 2010	
Device:	Mon Jun 21 09:41:51 EDT 2010  Blackberry_9630	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Mon Jun 21 09:41:51 EDT 2010 Acquisition finished: Mon Jun 21 09:45:33 EDT 2010 Device connectivity was established via supported interface	
Results:		
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-32 Perform back-to-back acquisitions, check device payload for modifications.	as expected
Analysis:	Expected results achieved	

## 5.2.125 SPT-02 (Blackberry 9630)

Test Case SPT	-02 XRY/XACT Version 5.0.2
Case	SPT-02 Attempt internal memory acquisition of a non-supported mobile
Summary:	device.
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to connect to a non-supported device then the tool shall notify the user that the device is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jun 21 09:46:04 EDT 2010
Device:	unsupported_device
Source	OS: WIN XP
Setup:	Interface: cable
Log	Created by Micro Systemation XRY/XACT Version 5.0.2
Highlights:	Acquisition started: Mon Jun 21 09:46:04 EDT 2010
	Acquisition finished: Mon Jun 21 09:53:00 EDT 2010
	Identification of non-supported devices was successful
Results:	
	Assertion & Expected Result Actual Result
	SPT-CA-02 Identification of non-supported devices. as expected
Analysis:	Expected results achieved

## 5.2.126 SPT-03 (Blackberry 9630)

Test Case SPT	-03 XRY/XACT Version 5.0.2	
Case	SPT-03 Begin mobile device internal memory acquisition and interrupt	
Summary:	connectivity by interface disengagement.	
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic	
	tool is disrupted then the tool shall notify the user that connectivity has	
	been disrupted.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jun 21 09:53:26 EDT 2010	
Device:	Blackberry_9630	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log	Created by Micro Systemation XRY/XACT Version 5.0.2	
Highlights:	Acquisition started: Mon Jun 21 09:53:26 EDT 2010	
	Acquisition finished: Mon Jun 21 09:57:19 EDT 2010	
	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	
MIGTARIR.	Expected Tesutes delitered	

## 5.2.127 SPT-04 (Blackberry 9630)

Case	SPT-04 Acquire mobile device internal memory and review repo	rted data wia
Summary:	the preview-pane or generated reports for readability.	
Assertions:		
Tester	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Mon Jun 21 10:00:36 EDT 2010	
Device:	Blackberry_9630	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log	Created by Micro Systemation XRY/XACT Version 5.0.2	
Highlights:	Acquisition started: Mon Jun 21 10:00:36 EDT 2010	
	Acquisition finished: Mon Jun 21 10:03:09 EDT 2010	
	Readability and completeness of acquired data was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
Analysis:	Expected results achieved	

# 5.2.128 SPT-05 (Blackberry 9630)

Test Case SPT	-05 XRY/XACT Version 5.0.2		
Case Summary:	SPT-05 Acquire mobile device internal memory and review reported subscriber and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).		
Assertions:	SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error then subscriber-related information shall be presented in a useable format.  SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error then equipment related information shall be presented in a useable format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Mon Jun 21 10:03:38 EDT 2010		
Device:	Blackberry_9630		
Source	OS: WIN XP		
Setup:	Interface: cable		
Log Highlights:	Created by Micro Systemation XRY/XACT Ver Acquisition started: Mon Jun 21 10:03:38 Acquisition finished: Mon Jun 21 10:09:11 IMEI, MEID/ESN were acquired	EDT 2010	
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-05 Acquisition of MSISDN, IMSI.	as expected	
	SPT-CA-06 Acquisition of IMEI/MEID/ESN.	as expected	
Analysis:	Expected results achieved		

## 5.2.129 SPT-06 (Blackberry 9630)

Test Case SPT	-06 XRY/XACT Version 5.0.2		
Case	SPT-06 Acquire mobile device internal memory and review reported PIM		
Summary:	related data.		
Assertions:	SPT-CA-07 If a cellular forensic tool completes acquisition of the target		
	device without error then address book entries shall be presented in a		
	useable format.		
	SPT-CA-08 If a cellular forensic tool completes acquisition o	f 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 o		
	device without error then address book entries containing spe	cial	
	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	nk names shall	
	be presented in a useable format.		
	SPT-CA-11 If a cellular forensic tool completes acquisition o		
	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		
	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 Jun 21 10:09:45 EDT 2010		
Device:	Blackberry_9630		
Source	OS: WIN XP		
Setup:	Interface: cable		
	G + 11 w' G + 1 may (27) GF 27 ' F 0 0		
Log	Created by Micro Systemation XRY/XACT Version 5.0.2		
Highlights:	Acquisition started: Mon Jun 21 10:09:45 EDT 2010		
	Acquisition finished: Mon Jun 21 10:15:27 EDT 2010		
	All addraga book ontring work avagagafully aggrired		
	All address book entries were successfully acquired		
	ALL PIM related data was acquired		
Results:			
Results.			
Í	Assertion & Expected Result	Actual	
		Result	
	SPT-CA-07 Acquisition of address book entries.	Result as expected	
	SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book	Result	
	SPT-CA-07 Acquisition of address book entries.  SPT-CA-08 Acquisition of maximum length address book entries.	Result as expected	
	SPT-CA-07 Acquisition of address book entries.  SPT-CA-08 Acquisition of maximum length address book entries.  SPT-CA-09 Acquisition of address book entries containing	Result as expected	
	SPT-CA-07 Acquisition of address book entries.  SPT-CA-08 Acquisition of maximum length address book entries.  SPT-CA-09 Acquisition of address book entries containing special characters.	as expected as expected as expected	
	SPT-CA-07 Acquisition of address book entries.  SPT-CA-08 Acquisition of maximum length address book entries.  SPT-CA-09 Acquisition of address book entries containing special characters.  SPT-CA-10 Acquisition of address book entries containing a	as expected as expected	
	SPT-CA-07 Acquisition of address book entries.  SPT-CA-08 Acquisition of maximum length address book entries.  SPT-CA-09 Acquisition of address book entries containing special characters.  SPT-CA-10 Acquisition of address book entries containing a blank name entry.	as expected as expected as expected as expected as expected	
	SPT-CA-07 Acquisition of address book entries.  SPT-CA-08 Acquisition of maximum length address book entries.  SPT-CA-09 Acquisition of address book entries containing special characters.  SPT-CA-10 Acquisition of address book entries containing a blank name entry.  SPT-CA-11 Acquisition of embedded email addresses within	as expected as expected as expected	
	SPT-CA-07 Acquisition of address book entries.  SPT-CA-08 Acquisition of maximum length address book entries.  SPT-CA-09 Acquisition of address book entries containing special characters.  SPT-CA-10 Acquisition of address book entries containing a blank name entry.  SPT-CA-11 Acquisition of embedded email addresses within address book entries.	as expected as expected as expected as expected as expected as expected	
	SPT-CA-07 Acquisition of address book entries.  SPT-CA-08 Acquisition of maximum length address book entries.  SPT-CA-09 Acquisition of address book entries containing special characters.  SPT-CA-10 Acquisition of address book entries containing a blank name entry.  SPT-CA-11 Acquisition of embedded email addresses within address book entries.  SPT-CA-12 Acquisition of embedded graphics within address	as expected as expected as expected as expected as expected	
	SPT-CA-07 Acquisition of address book entries.  SPT-CA-08 Acquisition of maximum length address book entries.  SPT-CA-09 Acquisition of address book entries containing special characters.  SPT-CA-10 Acquisition of address book entries containing a blank name entry.  SPT-CA-11 Acquisition of embedded email addresses within address book entries.  SPT-CA-12 Acquisition of embedded graphics within address book entries.	as expected	
	SPT-CA-07 Acquisition of address book entries.  SPT-CA-08 Acquisition of maximum length address book entries.  SPT-CA-09 Acquisition of address book entries containing special characters.  SPT-CA-10 Acquisition of address book entries containing a blank name entry.  SPT-CA-11 Acquisition of embedded email addresses within address book entries.  SPT-CA-12 Acquisition of embedded graphics within address book entries.  SPT-CA-13 Acquisition of PIM data (i.e.,	as expected as expected as expected as expected as expected as expected	
	SPT-CA-07 Acquisition of address book entries.  SPT-CA-08 Acquisition of maximum length address book entries.  SPT-CA-09 Acquisition of address book entries containing special characters.  SPT-CA-10 Acquisition of address book entries containing a blank name entry.  SPT-CA-11 Acquisition of embedded email addresses within address book entries.  SPT-CA-12 Acquisition of embedded graphics within address book entries.  SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	as expected	
	SPT-CA-07 Acquisition of address book entries.  SPT-CA-08 Acquisition of maximum length address book entries.  SPT-CA-09 Acquisition of address book entries containing special characters.  SPT-CA-10 Acquisition of address book entries containing a blank name entry.  SPT-CA-11 Acquisition of embedded email addresses within address book entries.  SPT-CA-12 Acquisition of embedded graphics within address book entries.  SPT-CA-13 Acquisition of PIM data (i.e.,	as expected	
	SPT-CA-07 Acquisition of address book entries.  SPT-CA-08 Acquisition of maximum length address book entries.  SPT-CA-09 Acquisition of address book entries containing special characters.  SPT-CA-10 Acquisition of address book entries containing a blank name entry.  SPT-CA-11 Acquisition of embedded email addresses within address book entries.  SPT-CA-12 Acquisition of embedded graphics within address book entries.  SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	as expected	
Analysis:	SPT-CA-07 Acquisition of address book entries.  SPT-CA-08 Acquisition of maximum length address book entries.  SPT-CA-09 Acquisition of address book entries containing special characters.  SPT-CA-10 Acquisition of address book entries containing a blank name entry.  SPT-CA-11 Acquisition of embedded email addresses within address book entries.  SPT-CA-12 Acquisition of embedded graphics within address book entries.  SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	as expected	

# 5.2.130 SPT-07 (Blackberry 9630)

	-07 XRY/XACT Version 5.0.2		
Case Summary:	SPT-07 Acquire mobile device internal memory and review reported call logs		
Assertions:	SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error then call logs (incoming/outgoing/missed) shall be presented in a useable format.  SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Tue Jun 22 07:56:02 EDT 2010		
Device:	Blackberry_9630		
Source	OS: WIN XP		
Setup:	Interface: cable		
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Tue Jun 22 07:56:02 EDT 2010		
111111111111111111111111111111111111111	Acquisition finished: Tue Jun 22 08:01:37 EDT 2010		
	All Call Logs (incoming, outgoing, missed) were acqui	red	
	All Call Log date/time stamps data were correctly rep		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-15 Acquisition of call logs.	as expected	
	SPT-CA-16 Acquisition of call log date/time stamps.	as expected	
Analysis:	Expected results achieved		

## 5.2.131 SPT-08 (Blackberry 9630)

Test Case SPT	-08 XRY/XACT Version 5.0.2	
Case	SPT-08 Acquire mobile device internal memory and review report	ted text
Summary:	messages.	
Assertions:	SPT-CA-17 If a cellular forensic tool completes acquisition of device without error then ASCII text messages (i.e., SMS, EMS presented in a useable format.  SPT-CA-18 If a cellular forensic tool completes acquisition of device without error then the corresponding date/time stamps messages shall be presented in a useable format.  SPT-CA-19 If a cellular forensic tool completes acquisition of device without error then the corresponding status (i.e., 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 22 08:02:31 EDT 2010	
Device:	Blackberry_9630	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Tue Jun 22 08:02:31 EDT 2010 Acquisition finished: Tue Jun 22 08:10:15 EDT 2010  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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## 5.2.132 SPT-09 (Blackberry 9630)

Test Case SPT	-09 XRY/XACT Version 5.0.2		
Case	SPT-09 Acquire mobile device internal memory and review reported MMS multi-		
Summary:	media related data (i.e., text, audio, graphics, video).		
Assertions:	SPT-CA-21 If a cellular forensic tool completes acquisition 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 22 08:15:58 EDT 2010		
Device:	Blackberry_9630		
Source	OS: WIN XP		
Setup:	Interface: cable		
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Tue Jun 22 08:15:58 EDT 2010 Acquisition finished: Tue Jun 22 08:21:07 EDT 2010  Partial audio MMS messages were acquired Partial image MMS messages were acquired Video MMS messages were not acquired  Notes: Associated text data was not reported for MMS messages. Were not acquired.	7ideo attachments	
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-21 Acquisition of audio MMS messages.	Not as	
	OPT CR 00 2 models of supplies date in a 200	expected	
	SPT-CA-22 Acquisition of graphic data image MMS	Not as	
	messages.  SPT-CA-23 Acquisition of video MMS messages.	expected Not as	
	SPI-CA-23 Acquisition of video MMS messages.	expected	
		CAPCCCCC	
Analysis:	Expected results Not achieved		

## 5.2.133 SPT-10 (Blackberry 9630)

Cara			
Case	SPT-10 Acquire mobile device internal memory and review reported stand-		
Summary:	alone multi-media data (i.e., audio, graphics, video).		
	SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application.  SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application.  SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.		
Tester	rpa		
Name:			
Test Host:	Morrisy		
Test Date:	Tue Jun 22 08:23:33 EDT 2010		
Device:	Blackberry_9630		
Source	OS: WIN XP		
Setup:	Interface: cable		
Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Tue Jun 22 08:23:33 EDT 2010 Acquisition finished: Tue Jun 22 09:36:41 EDT 2010  Audio files were acquired Image files were acquired Video files were not acquired		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-24 Acquisition of stand-alone audio files.	as expected	
	SPT-CA-25 Acquisition of stand-alone graphic files.	as expected	
	SPT-CA-26 Acquisition of stand-alone video files.	Not as expected	
Analysis:	Partial results achieved		

## 5.2.134 SPT-11 (Blackberry 9630)

Test Case SPT	-11 XRY/XACT Version 5.0.2	
Case Summary:	SPT-11 Acquire mobile device internal memory and review application related data (i.e., word documents, spreadsheet, presentation documents).	
Assertions:	SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error then device specific application related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 22 09:38:37 EDT 2010	
Device:	Blackberry_9630	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Tue Jun 22 09:38:37 EDT 2010 Acquisition finished: Tue Jun 22 09:50:11 EDT 2010 All application data was acquired	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-27 Acquisition of application related data.	as expected
Analysis:	Expected results achieved	

# 5.2.135 SPT-13 (Blackberry 9630)

Test Case SPT	-13 XRY/XACT Version 5.0.2	
Case	SPT-13 Acquire mobile device internal memory by selecting a combination of	
Summary:	supported data elements.	
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 22 09:52:38 EDT 2010	
Device:	Blackberry_9630	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log	Created by Micro Systemation XRY/XACT Version 5.0.2	
Highlights:	Acquisition started: Tue Jun 22 09:52:38 EDT 2010	
	Acquisition finished: Tue Jun 22 09:54:59 EDT 2010	
	Acquire All acquisition was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-29 Acquire-All data objects acquisition.	as expected
Analysis:	Expected results achieved	

## 5.2.136 SPT-24 (Blackberry 9630)

Test Case SPT	-24 XRY/XACT Version 5.0.2	
Case	SPT-24 Acquire mobile device internal memory and review reported data via	
Summary:	supported generated report formats.	
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format via supported generated report formats.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 22 09:55:41 EDT 2010	
Device:	Blackberry_9630	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2  Acquisition started: Tue Jun 22 09:55:41 EDT 2010  Acquisition finished: Tue Jun 22 10:01:04 EDT 2010  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	

## 5.2.137 SPT-25 (Blackberry 9630)

Test Case SPT	-25 XRY/XACT Version 5.0.2	
Case	SPT-25 Acquire mobile device internal memory and review reported data via	
Summary:	the preview pane.	
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format in a preview-pane view.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 22 10:01:33 EDT 2010	
Device:	Blackberry_9630	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Tue Jun 22 10:01:33 EDT 2010 Acquisition finished: Tue Jun 22 10:02:52 EDT 2010  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	

## 5.2.138 SPT-29 (Blackberry 9630)

Test Case SPT	-29 XRY/XACT Version 5.0.2		
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 22 10:03:27 EDT 2010		
Device:	Blackberry_9630		
Source	OS: WIN XP		
Setup:	Interface: cable		
Log	Created by Micro Systemation XRY/XACT Version 5.0.2		
Highlights:	Acquisition started: Tue Jun 22 10:03:27 EDT 2010		
	Acquisition finished: Tue Jun 22 10:05:54 EDT 2010		
	Notification of modified device memory data was successful		
Results:			
	Assertion & Expected Result Actual Result		
	SPT-AO-27 Notification of modified device case data. as expected		
Analysis:	Expected results achieved		

## 5.2.139 SPT-33 (Blackberry 9630)

Test Case SPT	-33 XRY/XACT Version 5.0.2		
Case	SPT-33 Acquire mobile device internal memory and review data containing non-ASCII characters.		
Summary:			
Assertions:	characters then the application should present address book entries i their native format.		
	SPT-AO-41 If the cellular forensic tool supports proper of ASCII characters then the application should present text native format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Tue Jun 22 10:06:51 EDT 2010		
Device:	Blackberry_9630		
Source	OS: WIN XP		
Setup:	Interface: cable		
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Tue Jun 22 10:06:51 EDT 2010 Acquisition finished: Tue Jun 22 10:09:19 EDT 2010  Non-ASCII Address book entries were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed - NA		
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.	NA	
Analysis:	Expected results achieved		

## 5.2.140 SPT-38 (Blackberry 9630)

Test Case SPT	-38 XRY/XACT Version 5.0.2	
Case Summary:	SPT-38 Acquire mobile device internal memory and review hash values for vendor supported data objects.	
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 22 10:10:11 EDT 2010	
Device:	Blackberry_9630	
Source	OS: WIN XP	
Setup:	Interface: cable	
Log Highlights:	Created by Micro Systemation XRY/XACT Version 5.0.2 Acquisition started: Tue Jun 22 10:10:11 EDT 2010 Acquisition finished: Tue Jun 22 12:14:29 EDT 2010  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	

### **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).

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### **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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