

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

NIJ website

U.S. Department of Justice Office of Justice Programs

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NIJ	
FEB. 2013	
	Test Results for Mobile Device Acquisition Tool: Micro Systemation XRY v6.3.1
	NCJ 241151

NIJ

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

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

February 2013

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Contents

Introduction	1
How to Read This Report	1
1 Results Summary	3
2 Test Case Selection	
3 Results by Test Assertion	
3.1 Device connectivity	
3.2 Notification of device acquisition disruption	
3.3 Physical Acquisition	. 60
4 Testing Environment	
4.1 Test computers	
4.2 Mobile devices	
4.3 Internal memory data objects	
4.4 Subscriber Identity Module data objects	
5 Test Results	
5.1 Test results report key	
5.2 Test details	
5.2.1 SPT-01 (iPhone4 GSM)	
5.2.2 SPT-02 (iPhone4 GSM)	
5.2.3 SPT-03 (iPhone4 GSM)	
5.2.4 SPT-04 (iPhone4 GSM)	
5.2.5 SPT-05 (iPhone4 GSM)	
5.2.6 SPT-06 (iPhone4 GSM)	
5.2.7 SPT-07 (iPhone4 GSM)	. 67
5.2.8 SPT-08 (iPhone4 GSM)	. 67
5.2.9 SPT-09 (iPhone4 GSM)	. 68
5.2.10 SPT-10 (iPhone4 GSM)	
5.2.11 SPT-11 (iPhone4 GSM)	. 69
5.2.12 SPT-12 (iPhone4 GSM)	. 70
5.2.13 SPT-13 (iPhone4 GSM)	. 70
5.2.14 SPT-14 (iPhone4 GSM)	. 71
5.2.15 SPT-15 (iPhone4 GSM)	. 71
5.2.16 SPT-16 (iPhone4 GSM)	. 72
5.2.17 SPT-17 (iPhone4 GSM)	. 72
5.2.18 SPT-18 (iPhone4 GSM)	. 73
5.2.19 SPT-19 (iPhone4 GSM)	. 73
5.2.20 SPT-20 (iPhone4 GSM)	. 74
5.2.21 SPT-21 (iPhone4 GSM)	. 75
5.2.22 SPT-22 (iPhone4 GSM)	. 75
5.2.23 SPT-23 (iPhone4 GSM)	. 76
5.2.24 SPT-24 (iPhone4 GSM)	. 76
5.2.25 SPT-25 (iPhone4 GSM)	. 77
5.2.26 SPT-26 (iPhone4 GSM)	. 77
5.2.27 SPT-27 (iPhone4 GSM)	. 78

5.2.28	SPT-28 (iPhone4 GSM)	78
5.2.29	SPT-29 (iPhone4 GSM)	
5.2.30	SPT-30 (iPhone4 GSM)	
5.2.30	SPT-31 (iPhone4 GSM)	
5.2.31	SPT-32 (iPhone4 GSM)	
5.2.32	SPT-32 (iPhone4 GSM)	
5.2.33	SPT-34 (iPhone4 GSM)	
5.2.34	SPT-35 (iPhone4 GSM)	
5.2.36	SPT-36 (iPhone4 GSM)	
5.2.30	SPT-38 (iPhone4 GSM)	
5.2.37	SPT-39 (iPhone4 GSM)	
5.2.39	SPT-40 (iPhone4 GSM)	
5.2.39	SPT-01 (BlackBerry Torch)	
5.2.40	SPT-02 (BlackBerry Torch)	
5.2.42	SPT-03 (BlackBerry Torch)	
5.2.43	SPT-04 (BlackBerry Torch)	
5.2.44	SPT-05 (BlackBerry Torch)	
5.2.45	SPT-06 (BlackBerry Torch)	
5.2.46	SPT-07 (BlackBerry Torch)	
5.2.40	SPT-08 (BlackBerry Torch)	
5.2.48	SPT-09 (BlackBerry Torch)	
5.2.49	SPT-10 (BlackBerry Torch)	
5.2.50	SPT-11 (BlackBerry Torch)	
5.2.50	SPT-12 (BlackBerry Torch)	
5.2.52	SPT-12 (BlackBerry Torch)	
5.2.52	SPT-14 (BlackBerry Torch)	
5.2.54	SPT-15 (BlackBerry Torch)	
5.2.55	SPT-16 (BlackBerry Torch)	
5.2.56	SPT-17 (BlackBerry Torch)	
5.2.57	SPT-18 (BlackBerry Torch)	
5.2.58	SPT-19 (BlackBerry Torch)	
5.2.59	SPT-20 (BlackBerry Torch)	
5.2.60	SPT-21 (BlackBerry Torch)	
5.2.61	SPT-22 (BlackBerry Torch)	
5.2.62	SPT-23 (BlackBerry Torch)	
5.2.63	SPT-24 (BlackBerry Torch)	
5.2.64	SPT-25 (BlackBerry Torch)	
5.2.65	SPT-26 (BlackBerry Torch)	
5.2.66	SPT-27 (BlackBerry Torch) 1	
5.2.67	SPT-28 (BlackBerry Torch) 1	
5.2.68	SPT-29 (BlackBerry Torch) 1	
5.2.69	SPT-30 (BlackBerry Torch) 1	
5.2.70	SPT-31 (BlackBerry Torch) 1	
5.2.71	SPT-32 (BlackBerry Torch) 1	
5.2.72	SPT-33 (BlackBerry Torch) 1	
5.2.73	SPT-34 (BlackBerry Torch) 1	

5.2.74	SPT-35 (BlackBerry Torch)	104
5.2.75	SPT-36 (BlackBerry Torch)	
5.2.76	SPT-38 (BlackBerry Torch)	
5.2.77	SPT-39 (BlackBerry Torch)	
5.2.78	SPT-01 (Samsung Focus)	
5.2.79	SPT-02 (Samsung Focus)	
5.2.80	SPT-02 (Samsung Focus)	
5.2.80	SPT-04 (Samsung Focus)	
5.2.81	SPT-10 (Samsung Focus)	
5.2.83	SPT-13 (Samsung Focus)	
5.2.84	SPT-14 (Samsung Focus)	
5.2.85	SPT-15 (Samsung Focus)	
5.2.85	SPT-16 (Samsung Focus)	
5.2.80	SPT-17 (Samsung Focus)	
5.2.88	SPT-18 (Samsung Focus)	
5.2.89	SPT-19 (Samsung Focus)	
5.2.90	SPT-20 (Samsung Focus)	
5.2.91	SPT-21 (Samsung Focus)	
5.2.92	SPT-22 (Samsung Focus)	
5.2.92	SPT-23 (Samsung Focus)	
5.2.94	SPT-24 (Samsung Focus)	
5.2.95	SPT-25 (Samsung Focus)	
5.2.96	SPT-26 (Samsung Focus)	
5.2.97	SPT-27 (Samsung Focus)	
5.2.98	SPT-28 (Samsung Focus)	
5.2.99	SPT-29 (Samsung Focus)	
5.2.100		
5.2.101	SPT-34 (Samsung Focus)	
5.2.102		
5.2.103		
5.2.104	-	
5.2.105	SPT-39 (Samsung Focus)	. 121
5.2.106		
5.2.107	SPT-02 (Nokia 6350)	. 122
5.2.108	SPT-03 (Nokia 6350)	. 122
5.2.109	SPT-04 (Nokia 6350)	. 123
5.2.110	SPT-05 (Nokia 6350)	. 123
5.2.111	SPT-06 (Nokia 6350)	
5.2.112		
5.2.113		
5.2.114		
5.2.115		
5.2.116		
5.2.117		
5.2.118		
5.2.119	SPT-15 (Nokia 6350)	. 129

5 0 100	(DT 1 (N 1) (250))	100
5.2.120	SPT-16 (Nokia 6350)	
5.2.121 5.2.122	SPT-17 (Nokia 6350)	
5.2.122	SPT-18 (Nokia 6350)	
	SPT-19 (Nokia 6350)	
5.2.124	SPT-20 (Nokia 6350)	
5.2.125	SPT-21 (Nokia 6350)	
5.2.126	SPT-22 (Nokia 6350)	
5.2.127	SPT-23 (Nokia 6350)	
5.2.128	SPT-24 (Nokia 6350)	
5.2.129	SPT-25 (Nokia 6350)	
5.2.130	SPT-26 (Nokia 6350)	
5.2.131	SPT-27 (Nokia 6350)	
5.2.132	SPT-28 (Nokia 6350)	
5.2.133	SPT-29 (Nokia 6350)	
5.2.134	SPT-30 (Nokia 6350)	
5.2.135	SPT-33 (Nokia 6350)	
5.2.136	SPT-34 (Nokia 6350)	
5.2.137	SPT-35 (Nokia 6350)	
5.2.138	SPT-36 (Nokia 6350)	
5.2.139	SPT-38 (Nokia 6350)	
5.2.140	SPT-39 (Nokia 6350)	
5.2.141	SPT-01 (Motorola Tundra)	
5.2.142	SPT-14 (Motorola Tundra)	
5.2.143	SPT-15 (Motorola Tundra)	
5.2.144	SPT-16 (Motorola Tundra)	
5.2.145	SPT-17 (Motorola Tundra)	
5.2.146	SPT-18 (Motorola Tundra)	
5.2.147	SPT-19 (Motorola Tundra)	
5.2.148	SPT-20 (Motorola Tundra)	
5.2.149	SPT-21 (Motorola Tundra)	
5.2.150	SPT-22 (Motorola Tundra)	
5.2.151	SPT-23 (Motorola Tundra)	
5.2.152	SPT-26 (Motorola Tundra)	
5.2.153	SPT-27 (Motorola Tundra)	
5.2.154	SPT-28 (Motorola Tundra)	
5.2.155	SPT-30 (Motorola Tundra)	
5.2.156	SPT-34 (Motorola Tundra)	
5.2.157	SPT-35 (Motorola Tundra)	
5.2.158	SPT-36 (Motorola Tundra)	
5.2.159	SPT-39 (Motorola Tundra)	
5.2.160	SPT-01 (HTC Tilt2)	
5.2.161	SPT-02 (HTC Tilt2)	
5.2.162	SPT-03 (HTC Tilt2)	
5.2.163	SPT-04 (HTC Tilt2)	
5.2.164	SPT-05 (HTC Tilt2)	
5.2.165	SPT-06 (HTC Tilt2)	153

5.2.166	SPT-07 (HTC Tilt2)	
5.2.167	SPT-08 (HTC Tilt2)	
5.2.168	SPT-09 (HTC Tilt2)	
5.2.169	SPT-10 (HTC Tilt2)	
5.2.170	SPT-11 (HTC Tilt2)	
5.2.171	SPT-12 (HTC Tilt2)	
5.2.172	SPT-13 (HTC Tilt2)	
5.2.173	SPT-14 (HTC Tilt2)	
5.2.174	SPT-15 (HTC Tilt2)	
5.2.175	SPT-16 (HTC Tilt2)	
5.2.176	SPT-17 (HTC Tilt2)	
5.2.177	SPT-18 (HTC Tilt2)	
5.2.178	SPT-19 (HTC Tilt2)	
5.2.179	SPT-20 (HTC Tilt2)	
5.2.180	SPT-21 (HTC Tilt2)	
5.2.181	SPT-22 (HTC Tilt2)	
5.2.182	SPT-23 (HTC Tilt2)	
5.2.183	SPT-24 (HTC Tilt2)	164
5.2.184	SPT-25 (HTC Tilt2)	
5.2.185	SPT-26 (HTC Tilt2)	164
5.2.186	SPT-27 (HTC Tilt2)	165
5.2.187	SPT-28 (HTC Tilt2)	
5.2.188	SPT-29 (HTC Tilt2)	
5.2.189	SPT-30 (HTC Tilt2)	166
5.2.190	SPT-31 (HTC Tilt2)	
5.2.191	SPT-32 (HTC Tilt2)	
5.2.192	SPT-33 (HTC Tilt2)	
5.2.193	SPT-34 (HTC Tilt2)	169
5.2.194	SPT-35 (HTC Tilt2)	
5.2.195	SPT-36 (HTC Tilt2)	170
5.2.196	SPT-38 (HTC Tilt2)	171
5.2.197	SPT-39 (HTC Tilt2)	171
5.2.198	SPT-01 (iPhone4 CDMA)	172
5.2.199	SPT-02 (iPhone4 CDMA)	172
5.2.200	SPT-03 (iPhone4 CDMA)	
5.2.201	SPT-04 (iPhone4 CDMA)	
5.2.202	SPT-05 (iPhone4 CDMA)	174
5.2.203	SPT-06 (iPhone4 CDMA)	174
5.2.204	SPT-07 (iPhone4 CDMA)	
5.2.205	SPT-08 (iPhone4 CDMA)	
5.2.206	SPT-09 (iPhone4 CDMA)	
5.2.207	SPT-10 (iPhone4 CDMA)	
5.2.208	SPT-11 (iPhone4 CDMA)	
5.2.209	SPT-12 (iPhone4 CDMA)	
5.2.210	SPT-13 (iPhone4 CDMA)	
5.2.211	SPT-24 (iPhone4 CDMA)	179

5.2.212	SPT-25 (iPhone4 CDMA)
5.2.213	SPT-29 (iPhone4 CDMA)
5.2.214	SPT-31 (iPhone4 CDMA)
5.2.215	SPT-32 (iPhone4 CDMA)
5.2.216	SPT-33 (iPhone4 CDMA)
5.2.217	SPT-38 (iPhone4 CDMA)
5.2.218	SPT-40 (iPhone4 CDMA)
5.2.219	SPT-01 (HTC Thunderbolt)
5.2.220	SPT-02 (HTC Thunderbolt)
5.2.221	SPT-03 (HTC Thunderbolt)
5.2.222	SPT-04 (HTC Thunderbolt)
5.2.223	SPT-05 (HTC Thunderbolt)
5.2.224	SPT-06 (HTC Thunderbolt)
5.2.225	SPT-07 (HTC Thunderbolt)
5.2.226	SPT-08 (HTC Thunderbolt)
5.2.227	SPT-09 (HTC Thunderbolt)
5.2.228	SPT-10 (HTC Thunderbolt)
5.2.229	SPT-11 (HTC Thunderbolt)
5.2.230	SPT-12 (HTC Thunderbolt)
5.2.231	SPT-13 (HTC Thunderbolt)
5.2.232	SPT-24 (HTC Thunderbolt)
5.2.233	SPT-25 (HTC Thunderbolt)
5.2.234	SPT-29 (HTC Thunderbolt)
5.2.235	SPT-33 (HTC Thunderbolt)
5.2.236	SPT-38 (HTC Thunderbolt)
5.2.237	SPT-40 (HTC Thunderbolt)

1 Introduction

2 The Computer Forensics Tool Testing (CFTT) program is a joint project of the National

3 Institute of Justice (NIJ), the Department of Homeland Security Science and Technology

4 Directorate (DHS S&T), and the National Institute of Standards and Technology Office

5 of Law Enforcement Standards Office (OLES) and Information Technology Laboratory

6 (ITL). CFTT is supported by other organizations, including the Federal Bureau of

7 Investigation, the U.S. Department of Defense Cyber Crime Center, the U.S. Internal

8 Revenue Service Criminal Investigation Division Electronic Crimes Program, the U.S.

9 Department of Homeland Security's Bureau of Immigration and Customs Enforcement,
 10 U.S. Customs and Border Protection and U.S. Secret Service, the Naval Postgraduate

11 School, the National White Collar Crime Center, the Commodity Futures Trading

12 Commission, the U.S. Postal Service, and the Securities and Exchange Commission. The

13 objective of the CFTT program is to provide measurable assurance to practitioners,

14 researchers, and other applicable users that the tools used in computer forensics

15 investigations provide accurate results. Accomplishing this requires the development of

specifications and test methods for computer forensics tools and subsequent testing of

- 17 specific tools against those specifications.
- 18

19 Test results provide the information necessary for developers to improve tools, for users

to make informed choices, and for the legal community and others to understand the

tools' capabilities. The CFTT approach to testing computer forensic tools is based on

22 well-recognized methodologies for conformance and quality testing. The specifications

and test methods posted on the CFTT Website for review and comment by the computer

- 24 forensics community.
- 25

This document reports the results from testing Micro Systemation XRY version 6.3.1
against the *Smart Phone Tool Test Assertions and Test Plan*, available at the
CFTT Website.

29

30 Test results from other tools and the CFTT tool methodology can be found on NIJ's31 computer forensics tool testing Web page.

32

³³ How to Read This Report

This report is divided into five sections. The first section is a summary of the results from 34 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 35 conducted, discuss any anomalies that were encountered, and provide documentation of 36 37 test case run details that support the report summary. Section 2 gives justification for the 38 selection of test cases from the set of possible cases defined in the test plan for Smart 39 Phone forensic tools. The test cases are selected, in general, on the basis of features 40 offered by the tool. Section 3 describes in more depth any anomalies summarized in the 41 first section. Section 4 lists hardware and software used to run the test cases. Section 5 42

43

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

Test Results for Mobile Device Data Acquisition Tool

Tool Tested:	XRY
Version:	6.3.1
Run Environment:	Microsoft Windows XP v5.1.2600
Supplier:	MSAB INC
Address:	2900 K-Street NW, Suite 505 Washington DC 20007
Tel: Fax: WWW:	205–536–1590 888–395–9027 http://www.msab.com

49

50 1 Results Summary

51 The XRY is a secure forensic software application that runs on the Windows operating 52 system. It is designed to perform data extraction on a wide variety of mobile devices, 53 such as smartphones, gps navigation units, 3G modems, portable music players and the 54 latest tablet processors such as the iPad and Subscriber Identity Modules (SIM). 55 56 The tool was tested for its ability to acquire active and deleted data from the internal 57 memory of mobile devices and SIMs. Except for the following anomalies, the tool acquired all supported data objects completely and accurately for all eight mobile devices 58 59 tested. 60 61 Device connectivity: 62 Connectivity to the mobile device was not established. (Motorola Tundra) 63 SIM acquisition disruption: 64 When connectivity was interrupted, the tool failed to notify the user that the 65 acquisition had been disrupted for the Subscriber Idenity Module. (iPhone4 GSM, BlackBerry Torch, Samsung Focus, Nokia 6350, Motorola Tundra, HTC Tilt2) 66 *Physical acquisition*: 67 68 Deleted address book entries and calendar entries were not reported. (iPhone4 69 GSM, iPhone4 CDMA) 70 Refer to sections 3.1 - 3.3 for additional details. 71 72 Test Case Selection 2 73

74 Test cases used to test mobile device acquisition tools are defined in *Smart Phone Tool*

- 75 Test Assertions and Test Plan Version 1.0. To test a tool, test cases are selected from the
- 76 *Test Plan* document based on the features offered by the tool. Not all test cases or test

assertions are appropriate for all tools. There is a core set of bases cases that are executed

- 78 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
- 80 (1a-1h) list the test cases available in Smartphone Examiner. Tables (2a-2h) list the test
- 81 cases not available in Smartphone Examiner.
- 82

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

Cases Selected for Execution
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
SPT-14
SPT-15
SPT-16
SPT-17
SPT-18
SPT-19
SPT-20
SPT-21
SPT-22
SPT-23
SPT-24
SPT-25
SPT-26
SPT-27
SPT-28
SPT-29

Supported Optional Feature	Cases Selected for Execution
After a successful SIM acquisition, alter the case file via	SPT-30
third-party means and attempt to re-open the case.	
Perform a physical acquisition and review data output for	SPT-31
readability.	
Perform a physical acquisition and review reports for	SPT-32
recoverable deleted data.	
Acquire mobile device internal memory and review data	SPT-33
containing non-ASCII characters.	
Acquire SIM memory and review data containing non-	SPT-34
ASCII characters.	
Begin acquisition on a PIN protected SIM to determine if	SPT-35
the tool provides an accurate count of the remaining	
number of PIN attempts and if the PIN attempts are	
decremented when entering an incorrect value.	
Begin acquisition on a SIM whose PIN attempts have	SPT-36
been exhausted to determine if the tool provides an	
accurate count of the remaining number of PUK attempts	
and if the PUK attempts are decremented when entering	
an incorrect value.	
Acquire mobile device internal memory and review hash	SPT-38
values for vendor supported data objects.	
Acquire SIM memory and review hash values for vendor	SPT-39
supported data objects.	
Acquire mobile device internal memory and review data	SPT-40
containing GPS longitude and latitude coordinates.	

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

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

86

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

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

Supported Optional Feature	Cases Selected for Execution
Acquire SIM memory and review reported subscriber and	SPT-17
equipment related information (i.e., SPN, ICCID, IMSI, MSISDN).	
Acquire SIM memory and review reported Abbreviated	SPT-18
Dialing Numbers (ADN).	
Acquire SIM memory and review reported Last Numbers	SPT-19
Dialed (LND).	
Acquire SIM memory and review reported text messages	SPT-20
(SMS, EMS).	
Acquire SIM memory and review recoverable deleted text	SPT-21
messages (SMS, EMS).	
Acquire SIM memory and review reported location	SPT-22
related data (i.e., LOCI, GPRSLOCI).	
Acquire SIM memory by selecting a combination of	SPT-23
supported data elements.	
Acquire mobile device internal memory and review	SPT-24
reported data via supported generated report formats.	
Acquire mobile device internal memory and review	SPT-25
reported data via the preview pane.	
Acquire SIM memory and review reported data via	SPT-26
supported generated report formats.	
Acquire SIM memory and review reported data via the	SPT-27
preview-pane.	
Attempt acquisition of a password-protected SIM.	SPT-28
After a successful mobile device internal memory, alter	SPT-29
the case file via third-party means and attempt to re-open	
the case.	
After a successful SIM acquisition, alter the case file via	SPT-30
third-party means and attempt to re-open the case.	
Perform a physical acquisition and review data output for	SPT-31
readability.	
Perform a physical acquisition and review reports for	SPT-32
recoverable deleted data.	
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.	0DT 07
Begin acquisition on a PIN protected SIM to determine if	SPT-35
the tool provides an accurate count of the remaining	
number of PIN attempts and if the PIN attempts are	
decremented when entering an incorrect value.	
Begin acquisition on a SIM whose PIN attempts have	SPT-36
been exhausted to determine if the tool provides an	
accurate count of the remaining number of PUK attempts	
and if the PUK attempts are decremented when entering	

Supported Optional Feature	Cases Selected for Execution
an incorrect value.	
Acquire mobile device internal memory and review hash	SPT-38
values for vendor supported data objects.	
Acquire SIM memory and review hash values for vendor	SPT-39
supported data objects.	

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

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

90

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

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

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

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

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

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

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

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

Supported Optional Feature	Cases Selected for Execution
After a successful SIM acquisition, alter the case file via	SPT-30
third-party means and attempt to re-open the case.	
Acquire mobile device internal memory and review data	SPT-33
containing non-ASCII characters.	
Acquire SIM memory and review data containing non-	SPT-34
ASCII characters.	
Begin acquisition on a PIN protected SIM to determine if	SPT-35
the tool provides an accurate count of the remaining	
number of PIN attempts and if the PIN attempts are	
decremented when entering an incorrect value.	
Begin acquisition on a SIM whose PIN attempts have been	SPT-36
exhausted to determine if the tool provides an accurate	
count of the remaining number of PUK attempts and if the	
PUK attempts are decremented when entering an incorrect	
value.	
Acquire mobile device internal memory and review hash	SPT-38
values for vendor supported data objects.	
Acquire SIM memory and review hash values for vendor	SPT-39
supported data objects.	

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

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

98

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

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

Supported Optional Feature	Cases Selected for Execution
Acquire SIM memory and review reported Abbreviated Dialing Numbers (ADN).	SPT-18
Acquire SIM memory and review reported Last Numbers Dialed (LND).	SPT-19
Acquire SIM memory and review reported text messages (SMS, EMS).	SPT-20
Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).	SPT-21
Acquire SIM memory and review reported location related data (i.e., LOCI, GPRSLOCI).	SPT-22
Acquire SIM memory by selecting a combination of supported data elements.	SPT-23
Acquire SIM memory and review reported data via supported generated report formats.	SPT-26
Acquire SIM memory and review reported data via the preview-pane.	SPT-27
Attempt acquisition of a password-protected SIM.	SPT-28
After a successful SIM acquisition, alter the case file via third-party means and attempt to re-open the case.	SPT-30
Acquire SIM memory and review data containing non-ASCII characters.	SPT-34
Begin acquisition on a PIN protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.	SPT-35
Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.	SPT-36
Acquire SIM memory and review hash values for vendor supported data objects.	SPT-39

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

Unsupported Optional Feature	Cases omitted - not executed
Attempt internal memory acquisition of a nonsupported mobile device.	SPT-02
Begin mobile device internal memory acquisition and interrupt	SPT-03
connectivity by interface disengagement.	
Acquire mobile device internal memory and review reported data via	SPT-04
the preview pane or generated reports for readability.	
Acquire mobile device internal memory and review reported subscriber	SPT-05
and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).	
Acquire mobile device internal memory and review reported PIM	SPT-06
related data.	
Acquire mobile device internal memory and review reported call logs.	SPT-07
Acquire mobile device internal memory and review reported text	SPT-08
messages.	
Acquire mobile device internal memory and review reported MMS	SPT-09

Unsupported Optional Feature	Cases omitted - not executed
multi-media related data (i.e., text, audio, graphics, video).	
Acquire mobile device internal memory and review reported stand-	SPT-10
alone multi-media data (i.e., audio, graphics, video).	
Acquire mobile device internal memory and review application related	SPT-11
data (i.e., word documents, spreadsheet, presentation documents).	
Acquire mobile device internal memory and review Internet related data (i.e., bookmarks, visited sites.	SPT-12
Acquire mobile device internal memory by selecting a combination of	SPT-13
supported data elements.	51 1-15
Acquire mobile device internal memory and review reported data via	SPT-24
supported generated report formats.	
Acquire mobile device internal memory and review reported data via	SPT-25
the preview pane.	
After a successful mobile device internal memory, alter the case file via	SPT-29
third-party means and attempt to re-open the case.	
Perform a physical acquisition and review data output for readability.	SPT-31
Perform a physical acquisition and review reports for recoverable	SPT-32
deleted data.	
Acquire mobile device internal memory and review data containing	SPT-33
non-ASCII characters.	
Perform a stand-alone mobile device internal memory acquisition and	SPT-37
review the status flags for text messages present on the SIM.	
Acquire mobile device internal memory and review hash values for	SPT-38
vendor supported data objects.	
Acquire mobile device internal memory and review data containing	SPT-40
GPS longitude and latitude coordinates.	

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

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

Supported Optional Feature	Cases Selected for Execution
Dialing Numbers (ADN).	
Acquire SIM memory and review reported Last Numbers	SPT-19
Dialed (LND).	
Acquire SIM memory and review reported text messages	SPT-20
(SMS, EMS).	
Acquire SIM memory and review recoverable deleted text	SPT-21
messages (SMS, EMS).	
Acquire SIM memory and review reported location	SPT-22
related data (i.e., LOCI, GPRSLOCI).	
Acquire SIM memory by selecting a combination of	SPT-23
supported data elements.	21 1 20
Acquire mobile device internal memory and review	SPT-24
reported data via supported generated report formats.	51121
Acquire mobile device internal memory and review	SPT-25
reported data via the preview pane.	51 1 25
Acquire SIM memory and review reported data via	SPT-26
supported generated report formats.	51 1-20
Acquire SIM memory and review reported data via the	SPT-27
preview-pane.	51 1-27
Attempt acquisition of a password-protected SIM.	SPT-28
After a successful mobile device internal memory, alter	SPT-29
•	SF 1-29
the case file via third-party means and attempt to re-open	
the case.	SPT-30
After a successful SIM acquisition, alter the case file via	SP1-30
third-party means and attempt to re-open the case.	CDT 21
Perform a physical acquisition and review data output for	SPT-31
readability.	CDT 22
Perform a physical acquisition and review reports for	SPT-32
recoverable deleted data.	CDT 22
Acquire mobile device internal memory and review data	SPT-33
containing non-ASCII characters.	
Acquire SIM memory and review data containing non-	SPT-34
ASCII characters.	
Begin acquisition on a PIN protected SIM to determine if	SPT-35
the tool provides an accurate count of the remaining	
number of PIN attempts and if the PIN attempts are	
decremented when entering an incorrect value.	
Begin acquisition on a SIM whose PIN attempts have	SPT-36
been exhausted to determine if the tool provides an	
accurate count of the remaining number of PUK attempts	
and if the PUK attempts are decremented when entering	
an incorrect value.	
Acquire mobile device internal memory and review hash	SPT-38
values for vendor supported data objects.	
Acquire SIM memory and review hash values for vendor	SPT-39

Supported Optional Feature	Cases Selected for Execution
supported data objects.	

105 Table 2f: Omitted Test Cases (HTC Tilt2)

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

106

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

Supported Optional Feature	Cases Selected for Execution
Base cases	SPT-01, SPT-02, SPT-03, SPT-04, SPT-
	05, SPT-06, SPT-07, SPT-08, SPT-09,
	SPT-10, SPT-11, SPT-12, SPT-13
Acquire mobile device internal memory and	SPT-24
review reported data via supported generated	
report formats.	
Acquire mobile device internal memory and	SPT-25
review reported data via the preview pane.	
After a successful mobile device internal	SPT-29
memory, alter the case file via third-party	
means and attempt to re-open the case.	
Perform a physical acquisition and review	SPT-31
data output for readability.	
Perform a physical acquisition and review	SPT-32
reports for recoverable deleted data.	
Acquire mobile device internal memory and	SPT-33
review data containing non-ASCII characters.	
Acquire mobile device internal memory and	SPT-38
review hash values for vendor supported data	
objects.	
Acquire mobile device internal memory and	SPT-40
review data containing GPS longitude and	
latitude coordinates.	

108

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

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

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

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

Supported Optional Feature	Cases Selected for Execution
Base cases	SPT-01, SPT-02, SPT-03, SPT-04, SPT-
	05, SPT-06, SPT-07, SPT-08, SPT-09,
	SPT-10, SPT-11, SPT-12, SPT-13
Acquire mobile device internal memory and	SPT-24
review reported data via supported generated	
report formats.	
Acquire mobile device internal memory and	SPT-25
review reported data via the preview pane.	
After a successful mobile device internal	SPT-29
memory, alter the case file via third-party	

Supported Optional Feature	Cases Selected for Execution
means and attempt to re-open the case.	
Acquire mobile device internal memory and	SPT-33
review data containing non-ASCII characters.	
Acquire mobile device internal memory and	SPT-38
review hash values for vendor supported data	
objects.	
Acquire mobile device internal memory and	SPT-40
review data containing GPS longitude and	
latitude coordinates.	

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

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

Results of XRY v6.3.1

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

115 3 Results by Test Assertion

116 A test assertion is a verifiable statement about a single condition after an action is

117 performed by the tool under test. A test case usually checks a group of assertions after the

118 action of a single execution of the tool under test. Test assertions are defined and linked

119 to test cases in *Smart Phone Tool Test Assertions and Test Plan Version 1.0.*

120

121 Tables 3a – 3h summarize the test results by assertion. The column labeled Assertions

122 **Tested** describes the text of each assertion. The column labeled **Tests** gives the number

123 of test cases that use the given assertion. The column labeled **Anomaly** gives the section

124 number in this report where any obverved anomalies are discussed.

125

126 Table 3a: Assertions Tested (iPhone4 GSM)

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

Assertions Tested	Tests	Anomaly
device without error then address book entries shall be presented in a		
useable format.		
SPT-CA-08 If a cellular forensic tool completes acquisition of the target		
device without error then maximum length address book entries shall be	1	
presented in a useable format.		
SPT-CA-09 If a cellular forensic tool completes acquisition of the target		
device without error then address book entries containing special	1	
characters shall be presented in a useable format.		
SPT-CA-10 If a cellular forensic tool completes acquisition of the target		
device without error then address book entries containing blank names	1	
shall be presented in a useable format.		
SPT-CA-11 If a cellular forensic tool completes acquisition of the target		
device without error then email addresses associated with address book	1	
entries shall be presented in a useable format.		
SPT-CA-12 If a cellular forensic tool completes acquisition of the target		
device without error then graphics associated with address book entries	1	
shall be presented in a useable format.		
SPT-CA-13 If a cellular forensic tool completes acquisition of the target		
device without error then datebook, calendar, note entries shall be	1	
presented in a useable format.		
SPT-CA-14 If a cellular forensic tool completes acquisition of the target		
device without error then maximum length datebook, calendar, note	1	
entries shall be presented in a useable format.		
SPT-CA-15 If a cellular forensic tool completes acquisition of the target		
device without error then call logs (incoming/outgoing/missed) shall be	1	
presented in a useable format.		
SPT-CA-16 If a cellular forensic tool completes acquisition of the target		
device without error then the corresponding date/time stamps and the	1	
duration of the call for call logs shall be presented in a useable format.		
SPT-CA-17 If a cellular forensic tool completes acquisition of the target		
device without error then ASCII text messages (i.e., SMS, EMS) shall	1	
be presented in a useable format.		
SPT-CA-18 If a cellular forensic tool completes acquisition of the target		
device without error then the corresponding date/time stamps for text	1	
messages shall be presented in a useable format.	_	
SPT-CA-19 If a cellular forensic tool completes acquisition of the target		
device without error then the corresponding status (i.e., read, unread) for	1	
text messages shall be presented in a useable format.		
SPT-CA-20 If a cellular forensic tool completes acquisition of the target		
device without error then the corresponding sender / recipient phone	1	
numbers for text messages shall be presented in a useable format.	-	
SPT-CA-21 If a cellular forensic tool completes acquisition of the target		
device without error then MMS messages and associated audio shall be	1	
presented in a useable format.	-	
SPT-CA-22 If a cellular forensic tool completes acquisition of the target	1	
21 21 22 h a containa forensie toor compretes acquisition of the taiget	-	

Assertions Tested	Tests	Anomaly
device without error then MMS messages and associated graphic files		
shall be presented in a useable format.		
SPT-CA-23 If a cellular forensic tool completes acquisition of the target		
device without error then MMS messages and associated video shall be	1	
presented in a useable format.		
SPT-CA-24 If a cellular forensic tool completes acquisition of the target		
device without error then stand-alone audio files shall be presented in a	1	
useable format via either an internal application or suggested third-party	1	
application.		
SPT-CA-25 If a cellular forensic tool completes acquisition of the target		
device without error then stand-alone graphic files shall be presented in	1	
a useable format via either an internal application or suggested third-	1	
party application.		
SPT-CA-26 If a cellular forensic tool completes acquisition of the target		
device without error then stand-alone video files shall be presented in a	1	
useable format via either an internal application or suggested third-party	1	
application.		
SPT-CA-27 If a cellular forensic tool completes acquisition of the target		
device without error then device specific application related data shall	1	
be acquired and presented in a useable format via either an internal	1	
application or suggested third-party application.		
SPT-CA-28 If a cellular forensic tool completes acquisition of the target		
device without error then Internet related data (i.e., bookmarks, visited	1	
sites) cached to the device shall be acquired and presented in a useable	1	
format.		
SPT-CA-29 If a cellular forensic tool provides the user with an		
"Acquire All" device data objects acquisition option then the tool shall	2	
complete the acquisition of all data objects without error.		
SPT-CA-30 If a cellular forensic tool provides the user with a "Select		
All" individual device data objects then the tool shall complete the	2	
acquisition of all individually selected data objects without error.		
SPT-CA-31 If a cellular forensic tool provides the user with the ability		
to "Select Individual" device data objects for acquisition then the tool	2	
shall acquire each exclusive data object without error.		
SPT-CA-32 If a cellular forensic tool completes two consecutive logical		
acquisitions of the target device without error then the payload (data	1	
objects) on the mobile device shall remain consistent.		
SPT-AO-01 If a cellular forensic tool provides support for connectivity		
of the target SIM then the tool shall successfully recognize the target		
SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary	2	
reader, smart phone itself).		
SPT-AO-02 If a cellular forensic tool attempts to connect to a		
nonsupported SIM then the tool shall notify the user that the SIM is not	1	
supported.		
SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM	1	3.2

Assertions Tested	Tests	Anomaly
reader then the tool shall notify the user that connectivity has been		
disrupted.		
SPT-AO-04 If a cellular forensic tool completes acquisition of the target	1	
SIM without error then the SPN shall be presented in a useable format.	1	
SPT-AO-05 If a cellular forensic tool completes acquisition of the target		
SIM without error then the ICCID shall be presented in a useable	1	
format.		
SPT-AO-06 If a cellular forensic tool completes acquisition of the target		
SIM without error then the IMSI shall be presented in a useable format.	1	
SPT-AO-07 If a cellular forensic tool completes acquisition of the target		
SIM without error then the MSISDN shall be presented in a useable	1	
format.	1	
SPT-AO-08 If a cellular forensic tool completes acquisition of the target		
SIM without error then ASCII Abbreviated Dialing Numbers (ADN)	1	
shall be presented in a useable format.	1	
SPT-AO-09 If a cellular forensic tool completes acquisition of the target		
	1	
SIM without error then maximum length ADNs shall be presented in a	1	
useable format.		
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM	1	
without error then ADNs containing special characters shall be	1	
presented in a useable format.		
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM		
without error then ADNs containing blank names shall be presented in a	1	
useable format.		
SPT-AO-12 If a cellular forensic tool completes acquisition of the target		
SIM without error then Last Numbers Dialed (LND) shall be presented	1	
in a useable format.		
SPT-AO-13 If a cellular forensic tool completes acquisition of the target		
SIM without error then the corresponding date/time stamps for LNDs	1	
shall be presented in a useable format.		
SPT-AO-14 If a cellular forensic tool completes acquisition of the target		
SIM without error then ASCII SMS text messages shall be presented in	1	
a useable format.		
SPT-AO-15 If a cellular forensic tool completes acquisition of the target		
SIM without error then ASCII EMS text messages shall be presented in	1	
a useable format.		
SPT-AO-16 If a cellular forensic tool completes acquisition of the target		
SIM without error then the corresponding date/time stamps for all text	1	
messages shall be presented in a useable format.		
SPT-AO-17 If a cellular forensic tool completes acquisition of the target		
SIM without error then the corresponding status (i.e., read, unread) for	1	
text messages shall be presented in a useable format.	1	
SPT-AO-18 If a cellular forensic tool completes acquisition of the target		
SIM without error then the corresponding sender / recipient phone	1	
numbers for text messages shall be presented in a useable format.		

Assertions Tested	Tests	Anomaly
SPT-AO-19 If the cellular forensic tool completes acquisition of the		
target SIM without error then deleted text messages that have not been	1	
overwritten shall be presented in a useable format.		
SPT-AO-20 If a cellular forensic tool completes acquisition of the target		
SIM without error then location related data (i.e., LOCI) shall be	1	
presented in a useable format.		
SPT-AO-21 If a cellular forensic tool completes acquisition of the target		
SIM without error then location related data (i.e., GRPSLOCI) shall be	1	
presented in a useable format.		
SPT-AO-22 If a cellular forensic tool provides the user with an		
"Acquire All" SIM data objects acquisition option then the tool shall	1	
complete the acquisition of all data objects without error.		
SPT-AO-23 If a cellular forensic tool provides the user with an "Select		
All" individual SIM data objects then the tool shall complete the	1	
acquisition of all individually selected data objects without error.		
SPT-AO-24 If a cellular forensic tool provides the user with the ability		
to "Select Individual" SIM data objects for acquisition then the tool	1	
shall acquire each exclusive data object without error.		
SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM		
without error then the tool shall present the acquired data in a useable	2	
format via supported generated report formats.		
SPT-AO-26 If a cellular forensic tool completes acquisition of the SIM		
without error then the tool shall present the acquired data in a useable	2	
format in a preview pane view.		
SPT-AO-27 If the case file or individual data objects are modified via		
third-party means then the tool shall provide protection mechanisms	2	
disallowing or reporting data modification.		
SPT-AO-28 If the SIM is password-protected then the cellular forensic		
tool shall provide the examiner with the opportunity to input the PIN	1	
before acquisition.		
SPT-AO-29 If a cellular forensic tool provides the examiner with the		
remaining number of authentication attempts then the application should	1	
provide an accurate count of the remaining PIN attempts.		
SPT-AO-30 If a cellular forensic tool provides the examiner with the		
remaining number of PUK attempts then the application should provide	1	
an accurate count of the remaining PUK attempts.	_	
SPT-AO-31 If the cellular forensic tool supports a physical acquisition		
of the target device then the tool shall complete the acquisition without	1	
error.	-	
SPT-AO-32 If the cellular forensic tool supports the interpretation of		
address book entries present on the target device then the tool shall		
report recoverable active and deleted data or address book data remnants	1	3.3
in a useable format.		
SPT-AO-33 If the cellular forensic tool supports the interpretation of		
calendar, tasks, or notes present on the target device then the tool shall	1	3.3
carendar, asks, or notes present on the target device then the toor shall	l	

Assertions Tested	Tests	Anomaly
report recoverable active and deleted calendar, tasks, or note data		
remnants in a useable format.		
SPT-AO-34 If the cellular forensic tool supports the interpretation of		
call logs present on the target device then the tool shall report	1	
recoverable active and deleted call or call log data remnants in a useable	1	
format.		
SPT-AO-35 If the cellular forensic tool supports the interpretation of		
SMS messages present on the target device then the tool shall report	1	
recoverable active and deleted SMS messages or SMS message data	1	
remnants in a useable format.		
SPT-AO-36 If the cellular forensic tool supports the interpretation of		
EMS messages present on the target device then the tool shall report		
recoverable active and deleted EMS messages or EMS message data	1	
remnants in a useable format.		
SPT-AO-37 If the cellular forensic tool supports the interpretation of		
audio files present on the target device then the tool shall report		
recoverable active and deleted audio data or audio file data remnants in	1	
a useable format.		
SPT-AO-38 If the cellular forensic tool supports the interpretation of		
graphic files present on the target device then the tool shall report		
recoverable active and deleted graphic file data or graphic file data	1	
remnants in a useable format.		
SPT-AO-39 If the cellular forensic tool supports the interpretation of		
video files present on the target device then the tool shall report		
recoverable active and deleted video file data or video file data remnants	1	
in a useable format.		
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII		
	2	
characters then the application should present ADNs in their native format.	2	
SPT-AO-41 If the cellular forensic tool supports proper display of non-	2	
ASCII characters then the application should present text messages in	2	
their native format.		
SPT-AO-43 If the cellular forensic tool supports hashing for individual		
data objects then the tool shall present the user with a hash value for	2	
each supported data object.		
SPT-AO-44 If the cellular forensic tool supports acquisition of GPS		
data then the tool shall present the user with the longitude and latitude	1	
coordinates for all GPS-related data in a useable format.		

Table 3b: Assertions Tested: (BlackBerry Torch)

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

Assertions Tested	Tests	Anomaly
nonsupported device then the tool shall notify the user that the device is		
not supported.		
SPT-CA-03 If connectivity between the mobile device and cellular		
forensic tool is disrupted then the tool shall notify the user that	1	
connectivity has been disrupted.		
SPT-CA-04 If a cellular forensic tool completes acquisition of the target		
device without error then the tool shall have the ability to present		
acquired data objects in a useable format via either a preview pane or	2	
generated report.		
SPT-CA-05 If a cellular forensic tool completes acquisition of the target		
device without error then subscriber-related information shall be	1	
presented in a useable format.		
SPT-CA-06 If a cellular forensic tool completes acquisition of the target		
device without error then equipment related information shall be	1	
presented in a useable format.		
SPT-CA-07 If a cellular forensic tool completes acquisition of the target		
device without error then address book entries shall be presented in a	1	
useable format.		
SPT-CA-08 If a cellular forensic tool completes acquisition of the target		
device without error then maximum length address book entries shall be	1	
presented in a useable format.		
SPT-CA-09 If a cellular forensic tool completes acquisition of the target		
device without error then address book entries containing special	1	
characters shall be presented in a useable format.		
SPT-CA-10 If a cellular forensic tool completes acquisition of the target		
device without error then address book entries containing blank names	1	
shall be presented in a useable format.		
SPT-CA-11 If a cellular forensic tool completes acquisition of the target		
device without error then email addresses associated with address book	1	
entries shall be presented in a useable format.		
SPT-CA-12 If a cellular forensic tool completes acquisition of the target		
device without error then graphics associated with address book entries	1	
shall be presented in a useable format.		
SPT-CA-13 If a cellular forensic tool completes acquisition of the target		
device without error then datebook, calendar, note entries shall be	1	
presented in a useable format.		
SPT-CA-14 If a cellular forensic tool completes acquisition of the target		
device without error then maximum length datebook, calendar, note	1	
entries shall be presented in a useable format.		
SPT-CA-15 If a cellular forensic tool completes acquisition of the target		
device without error then call logs (incoming/outgoing/missed) shall be	1	
presented in a useable format.		
SPT-CA-16 If a cellular forensic tool completes acquisition of the target		
device without error then the corresponding date/time stamps and the	1	
duration of the call for call logs shall be presented in a useable format.		

Assertions Tested	Tests	Anomaly
SPT-CA-17 If a cellular forensic tool completes acquisition of the target		
device without error then ASCII text messages (i.e., SMS, EMS) shall	1	
be presented in a useable format.		
SPT-CA-18 If a cellular forensic tool completes acquisition of the target		
device without error then the corresponding date/time stamps for text	1	
messages shall be presented in a useable format.		
SPT-CA-19 If a cellular forensic tool completes acquisition of the target		
device without error then the corresponding status (i.e., read, unread) for	1	
text messages shall be presented in a useable format.		
SPT-CA-20 If a cellular forensic tool completes acquisition of the target		
device without error then the corresponding sender / recipient phone	1	
numbers for text messages shall be presented in a useable format.		
SPT-CA-21 If a cellular forensic tool completes acquisition of the target		
device without error then MMS messages and associated audio shall be	1	
presented in a useable format.		
SPT-CA-22 If a cellular forensic tool completes acquisition of the target		
device without error then MMS messages and associated graphic files	1	
shall be presented in a useable format.	-	
SPT-CA-23 If a cellular forensic tool completes acquisition of the target		
device without error then MMS messages and associated video shall be	1	
presented in a useable format.	-	
SPT-CA-24 If a cellular forensic tool completes acquisition of the target		
device without error then stand-alone audio files shall be presented in a		
useable format via either an internal application or suggested third-party	1	
application.		
SPT-CA-25 If a cellular forensic tool completes acquisition of the target		
device without error then stand-alone graphic files shall be presented in		
a useable format via either an internal application or suggested third-	1	
party application.		
SPT-CA-26 If a cellular forensic tool completes acquisition of the target		
device without error then stand-alone video files shall be presented in a		
useable format via either an internal application or suggested third-party	1	
application.		
SPT-CA-27 If a cellular forensic tool completes acquisition of the target		
device without error then device specific application related data shall		
be acquired and presented in a useable format via either an internal	1	
application or suggested third-party application.		
SPT-CA-28 If a cellular forensic tool completes acquisition of the target		
device without error then Internet related data (i.e., bookmarks, visited		
	1	
sites) cached to the device shall be acquired and presented in a useable format.		
SPT-CA-29 If a cellular forensic tool provides the user with an	n	
"Acquire All" device data objects acquisition option then the tool shall	2	
complete the acquisition of all data objects without error.	2	
SPT-CA-30 If a cellular forensic tool provides the user with a "Select	2	

Assertions Tested	Tests	Anomaly
All" individual device data objects then the tool shall complete the		
acquisition of all individually selected data objects without error.		
SPT-CA-31 If a cellular forensic tool provides the user with the ability		
to "Select Individual" device data objects for acquisition then the tool	2	
shall acquire each exclusive data object without error.		
SPT-CA-32 If a cellular forensic tool completes two consecutive logical		
acquisitions of the target device without error then the payload (data	1	
objects) on the mobile device shall remain consistent.		
SPT-AO-01 If a cellular forensic tool provides support for connectivity		
of the target SIM then the tool shall successfully recognize the target	2	
SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary	2	
reader, smart phone itself).		
SPT-AO-02 If a cellular forensic tool attempts to connect to a		
nonsupported SIM then the tool shall notify the user that the SIM is not	1	
supported.		
SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM		
reader then the tool shall notify the user that connectivity has been	1	3.2
disrupted.		
SPT-AO-04 If a cellular forensic tool completes acquisition of the target	1	
SIM without error then the SPN shall be presented in a useable format.	1	
SPT-AO-05 If a cellular forensic tool completes acquisition of the target		
SIM without error then the ICCID shall be presented in a useable	1	
format.		
SPT-AO-06 If a cellular forensic tool completes acquisition of the target	1	
SIM without error then the IMSI shall be presented in a useable format.	1	
SPT-AO-07 If a cellular forensic tool completes acquisition of the target		
SIM without error then the MSISDN shall be presented in a useable	1	
format.		
SPT-AO-08 If a cellular forensic tool completes acquisition of the target		
SIM without error then ASCII Abbreviated Dialing Numbers (ADN)	1	
shall be presented in a useable format.		
SPT-AO-09 If a cellular forensic tool completes acquisition of the target		
SIM without error then maximum length ADNs shall be presented in a	1	
useable format.		
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM		
without error then ADNs containing special characters shall be	1	
presented in a useable format.		
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM		
without error then ADNs containing blank names shall be presented in a	1	
useable format.		
SPT-AO-12 If a cellular forensic tool completes acquisition of the target		
SIM without error then Last Numbers Dialed (LND) shall be presented	1	
in a useable format.		
SPT-AO-13 If a cellular forensic tool completes acquisition of the target	1	
SIM without error then the corresponding date/time stamps for LNDs	1	

SPT-AO-14 If a cellular forensic tool completes acquisition of the target 1 SIM without error then ASCII SMS text messages shall be presented in 1 a useable format. SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII EMS text messages shall be presented in 1 a useable format. SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for all text 1 messages shall be presented in a useable format. 1 SPT-AO-17 If a cellular forensic tool completes acquisition of the target 1 SIM without error then the corresponding status (i.e., read, unread) for 1 text messages shall be presented in a useable format. 1 SPT-AO-19 If the cellular forensic tool completes acquisition of the target 1 SIM without error then dected text messages that have not been 1 overwritten shall be presented in a useable format. 1 SPT-AO-20 If a cellular forensic tool completes acquisition of the target 1 SIM without error then location related data (i.e., GRPSLOCI) shall be 1 overwritten shall be presented in a useable format. 1 SPT-AO-21 If a cellular forensic tool provides the user with an "Acquire AII" SIM d	Assertions Tested	Tests	Anomaly
SIM without error then ASCII SMS text messages shall be presented in 1 a useable format. 1 SPT-AO-15 If a cellular forensic tool completes acquisition of the target 1 SIM without error then the corresponding date/time stamps for all text 1 messages shall be presented in a useable format. 1 SPT-AO-17 If a cellular forensic tool completes acquisition of the target 1 SIM without error then the corresponding state (i.e., read, unread) for 1 text messages shall be presented in a useable format. 1 SPT-AO-18 If a cellular forensic tool completes acquisition of the target 1 SIM without error then the corresponding state (i.e., read, unread) for 1 text messages shall be presented in a useable format. 1 SPT-AO-19 If the cellular forensic tool completes acquisition of the target 1 SPT-AO-20 If a cellular forensic tool completes acquisition of the target 1 SPT-AO-20 If a cellular forensic tool completes acquisition of the target 1 SPT-AO-21 If a cellular forensic tool completes acquisition of the target 1 SPT-AO-21 If a cellular forensic tool provides the user with an 1 "Acquire All" SIM data objects acquisition option then the tool shall 1 corpute the acquisition of all data	shall be presented in a useable format.		
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disallowing or reporting data modification.Image: Constraint of the second		2	
SPT-AO-28 If the SIM is password-protected then the cellular forensic		-	
	tool shall provide the examiner with the opportunity to input the PIN	1	

Assertions Tested	Tests	Anomaly
before acquisition.		
SPT-AO-29 If a cellular forensic tool provides the examiner with the		
remaining number of authentication attempts then the application should	1	
provide an accurate count of the remaining PIN attempts.		
SPT-AO-30 If a cellular forensic tool provides the examiner with the		
remaining number of PUK attempts then the application should provide	1	
an accurate count of the remaining PUK attempts.		
SPT-AO-31 If the cellular forensic tool supports a physical acquisition		
of the target device then the tool shall complete the acquisition without	1	
error.		
SPT-AO-32 If the cellular forensic tool supports the interpretation of		
address book entries present on the target device then the tool shall	1	
report recoverable active and deleted data or address book data remnants	1	
in a useable format.		
SPT-AO-33 If the cellular forensic tool supports the interpretation of		
calendar, tasks, or notes present on the target device then the tool shall		
report recoverable active and deleted calendar, tasks, or note data	1	
remnants in a useable format.		
SPT-AO-34 If the cellular forensic tool supports the interpretation of		
call logs present on the target device then the tool shall report		
recoverable active and deleted call or call log data remnants in a useable	1	
format.		
SPT-AO-35 If the cellular forensic tool supports the interpretation of		
SMS messages present on the target device then the tool shall report		
recoverable active and deleted SMS messages or SMS message data	1	
remnants in a useable format.		
SPT-AO-36 If the cellular forensic tool supports the interpretation of		
EMS messages present on the target device then the tool shall report		
recoverable active and deleted EMS messages or EMS message data	1	
remnants in a useable format.		
SPT-AO-37 If the cellular forensic tool supports the interpretation of		
11 1		
audio files present on the target device then the tool shall report	1	
recoverable active and deleted audio data or audio file data remnants in		
a useable format.		
SPT-AO-38 If the cellular forensic tool supports the interpretation of		
graphic files present on the target device then the tool shall report	1	
recoverable active and deleted graphic file data or graphic file data		
remnants in a useable format.		
SPT-AO-39 If the cellular forensic tool supports the interpretation of		
video files present on the target device then the tool shall report	1	
recoverable active and deleted video file data or video file data remnants	_	
in a useable format.		
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII	-	
characters then the application should present ADNs in their native	2	
format.		

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

Table 3c: Assertions Tested: (Samsung Focus)

Table 3c: Assertions Tested: (Samsung Focus) Assertions Tested	Tests	Anomaly
SPT-CA-01 If a cellular forensic tool provides support for connectivity		
of the target device then the tool shall successfully recognize the target	1	
device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).		
SPT-CA-02 If a cellular forensic tool attempts to connect to a		
nonsupported device then the tool shall notify the user that the device is	1	
not supported.		
SPT-CA-03 If connectivity between the mobile device and cellular		
forensic tool is disrupted then the tool shall notify the user that	1	
connectivity has been disrupted.		
SPT-CA-04 If a cellular forensic tool completes acquisition of the target		
device without error then the tool shall have the ability to present	2	
acquired data objects in a useable format via either a preview pane or	2	
generated report.		
SPT-CA-24 If a cellular forensic tool completes acquisition of the target		
device without error then stand-alone audio files shall be presented in a	1	
useable format via either an internal application or suggested third-party	1	
application.		
SPT-CA-25 If a cellular forensic tool completes acquisition of the target		
device without error then stand-alone graphic files shall be presented in	1	
a useable format via either an internal application or suggested third-	1	
party application.		
SPT-CA-26 If a cellular forensic tool completes acquisition of the target		
device without error then stand-alone video files shall be presented in a	1	
useable format via either an internal application or suggested third-party	1	
application.		
SPT-CA-29 If a cellular forensic tool provides the user with an		
"Acquire All" device data objects acquisition option then the tool shall	2	
complete the acquisition of all data objects without error.		
SPT-CA-30 If a cellular forensic tool provides the user with a "Select		
All" individual device data objects then the tool shall complete the	2	
acquisition of all individually selected data objects without error.		
SPT-CA-31 If a cellular forensic tool provides the user with the ability		
to "Select Individual" device data objects for acquisition then the tool	2	
shall acquire each exclusive data object without error.		
SPT-CA-32 If a cellular forensic tool completes two consecutive logical	1	
acquisitions of the target device without error then the payload (data	1	

Assertions Tested	Tests	Anomaly
objects) on the mobile device shall remain consistent.		
SPT-AO-01 If a cellular forensic tool provides support for connectivity		
of the target SIM then the tool shall successfully recognize the target	2	
SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary	2	
reader, smart phone itself).		
SPT-AO-02 If a cellular forensic tool attempts to connect to a		
nonsupported SIM then the tool shall notify the user that the SIM is not	1	
supported.		
SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM		
reader then the tool shall notify the user that connectivity has been	1	3.2
disrupted.	1	5.2
SPT-AO-04 If a cellular forensic tool completes acquisition of the target		
	1	
SIM without error then the SPN shall be presented in a useable format.		
SPT-AO-05 If a cellular forensic tool completes acquisition of the target	1	
SIM without error then the ICCID shall be presented in a useable	1	
format.		
SPT-AO-06 If a cellular forensic tool completes acquisition of the target	1	
SIM without error then the IMSI shall be presented in a useable format.	1	
SPT-AO-07 If a cellular forensic tool completes acquisition of the target		
SIM without error then the MSISDN shall be presented in a useable	1	
format.		
SPT-AO-08 If a cellular forensic tool completes acquisition of the target		
SIM without error then ASCII Abbreviated Dialing Numbers (ADN)	1	
shall be presented in a useable format.		
SPT-AO-09 If a cellular forensic tool completes acquisition of the target		
SIM without error then maximum length ADNs shall be presented in a	1	
useable format.		
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM		
without error then ADNs containing special characters shall be	1	
presented in a useable format.	1	
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM		
without error then ADNs containing blank names shall be presented in a	1	
useable format.	1	
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	1	
in a useable format.		
SPT-AO-13 If a cellular forensic tool completes acquisition of the target		
SIM without error then the corresponding date/time stamps for LNDs	1	
shall be presented in a useable format.		
SPT-AO-14 If a cellular forensic tool completes acquisition of the target		
SIM without error then ASCII SMS text messages shall be presented in	1	
a useable format.		
SPT-AO-15 If a cellular forensic tool completes acquisition of the target		
SIM without error then ASCII EMS text messages shall be presented in	1	
a useable format.		

Assertions Tested	Tests	Anomaly
SPT-AO-16 If a cellular forensic tool completes acquisition of the target		
SIM without error then the corresponding date/time stamps for all text	1	
messages shall be presented in a useable format.		
SPT-AO-17 If a cellular forensic tool completes acquisition of the target		
SIM without error then the corresponding status (i.e., read, unread) for	1	
text messages shall be presented in a useable format.		
SPT-AO-18 If a cellular forensic tool completes acquisition of the target		
SIM without error then the corresponding sender / recipient phone	1	
numbers for text messages shall be presented in a useable format.		
SPT-AO-19 If the cellular forensic tool completes acquisition of the		
target SIM without error then deleted text messages that have not been	1	
overwritten shall be presented in a useable format.		
SPT-AO-20 If a cellular forensic tool completes acquisition of the target		
SIM without error then location related data (i.e., LOCI) shall be	1	
presented in a useable format.		
SPT-AO-21 If a cellular forensic tool completes acquisition of the target		
SIM without error then location related data (i.e., GRPSLOCI) shall be	1	
presented in a useable format.		
SPT-AO-22 If a cellular forensic tool provides the user with an		
"Acquire All" SIM data objects acquisition option then the tool shall	1	
complete the acquisition of all data objects without error.		
SPT-AO-23 If a cellular forensic tool provides the user with an "Select		
All" individual SIM data objects then the tool shall complete the	1	
acquisition of all individually selected data objects without error.		
SPT-AO-24 If a cellular forensic tool provides the user with the ability		
to "Select Individual" SIM data objects for acquisition then the tool	1	
shall acquire each exclusive data object without error.		
SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM		
without error then the tool shall present the acquired data in a useable	2	
format via supported generated report formats.		
SPT-AO-26 If a cellular forensic tool completes acquisition of the SIM		
without error then the tool shall present the acquired data in a useable	2	
format in a preview pane view.		
SPT-AO-27 If the case file or individual data objects are modified via		
third-party means then the tool shall provide protection mechanisms	2	
disallowing or reporting data modification.		
SPT-AO-28 If the SIM is password-protected then the cellular forensic		
tool shall provide the examiner with the opportunity to input the PIN	1	
before acquisition.		
SPT-AO-29 If a cellular forensic tool provides the examiner with the		
remaining number of authentication attempts then the application should	1	
provide an accurate count of the remaining PIN attempts.	_	
SPT-AO-30 If a cellular forensic tool provides the examiner with the		
remaining number of PUK attempts then the application should provide	1	
an accurate count of the remaining PUK attempts.		
	j	

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

Table 3d: Assertions Tested: (Nokia 6350)

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 1 device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device then the tool shall notify the user that the device is 1 not supported. SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted then the tool shall notify the user that 1 connectivity has been disrupted. SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present 2 acquired data objects in a useable format via either a preview pane or 2 generated report. SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error then subscriber-related information shall be 1 presented in a useable format. SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error then equipment related information shall be 1 presented in a useable format. 1 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 </th <th>Assertions Tested</th> <th>Tests</th> <th>Anomaly</th>	Assertions Tested	Tests	Anomaly
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SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing blank names1shall be presented in a useable format.1SPT-CA-11 If a cellular forensic tool completes acquisition of the target1			
device without error then address book entries containing blank names1shall be presented in a useable format.1SPT-CA-11 If a cellular forensic tool completes acquisition of the target1			
shall be presented in a useable format.Image: SPT-CA-11 If a cellular forensic tool completes acquisition of the target1		1	
SPT-CA-11 If a cellular forensic tool completes acquisition of the target			
1 I U	Ĩ		
	device without error then email addresses associated with address book		

Assertions Tested	Tests	Anomaly
entries shall be presented in a useable format.		
SPT-CA-12 If a cellular forensic tool completes acquisition of the target		
device without error then graphics associated with address book entries	1	
shall be presented in a useable format.		
SPT-CA-13 If a cellular forensic tool completes acquisition of the target		
device without error then datebook, calendar, note entries shall be	1	
presented in a useable format.		
SPT-CA-14 If a cellular forensic tool completes acquisition of the target		
device without error then maximum length datebook, calendar, note	1	
entries shall be presented in a useable format.		
SPT-CA-15 If a cellular forensic tool completes acquisition of the target		
device without error then call logs (incoming/outgoing/missed) shall be	1	
presented in a useable format.		
SPT-CA-16 If a cellular forensic tool completes acquisition of the target		
device without error then the corresponding date/time stamps and the	1	
duration of the call for call logs shall be presented in a useable format.	_	
SPT-CA-17 If a cellular forensic tool completes acquisition of the target		
device without error then ASCII text messages (i.e., SMS, EMS) shall	1	
be presented in a useable format.	-	
SPT-CA-18 If a cellular forensic tool completes acquisition of the target		
device without error then the corresponding date/time stamps for text	1	
messages shall be presented in a useable format.	1	
SPT-CA-19 If a cellular forensic tool completes acquisition of the target		
device without error then the corresponding status (i.e., read, unread) for	1	
text messages shall be presented in a useable format.	-	
SPT-CA-20 If a cellular forensic tool completes acquisition of the target		
device without error then the corresponding sender / recipient phone	1	
numbers for text messages shall be presented in a useable format.	1	
SPT-CA-21 If a cellular forensic tool completes acquisition of the target		
device without error then MMS messages and associated audio shall be	1	
presented in a useable format.	1	
SPT-CA-22 If a cellular forensic tool completes acquisition of the target		
device without error then MMS messages and associated graphic files	1	
shall be presented in a useable format.	1	
SPT-CA-23 If a cellular forensic tool completes acquisition of the target		
device without error then MMS messages and associated video shall be	1	
presented in a useable format.	1	
SPT-CA-24 If a cellular forensic tool completes acquisition of the target		
device without error then stand-alone audio files shall be presented in a		
useable format via either an internal application or suggested third-party	1	
application.		
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		
e 1 1	1	
a useable format via either an internal application or suggested third-		
party application.	l	

Assertions Tested	Tests	Anomaly
SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error then device specific application related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error.	2	
SPT-CA-30 If a cellular forensic tool provides the user with a "Select All" individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error.	2	
SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object without error.	2	
SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.	1	
SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).	2	
SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM then the tool shall notify the user that the SIM is not supported.	1	
SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader then the tool shall notify the user that connectivity has been disrupted.	1	3.2
SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error then the SPN shall be presented in a useable format.	1	
SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error then the ICCID shall be presented in a useable format.	1	
SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error then the IMSI shall be presented in a useable format.	1	
SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error then the MSISDN shall be presented in a useable format.	1	
SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format.	1	
SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error then maximum length ADNs shall be presented in a	1	

Assertions Tested	Tests	Anomaly
useable format.		
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing special characters shall be	1	
presented in a useable format.		
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM		
without error then ADNs containing blank names shall be presented in a useable format.	1	
SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error then Last Numbers Dialed (LND) shall be presented in a useable format.	1	
SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.	1	
SPT-AO-14 If a cellular forensic tool completes acquisition of the target		
SIM without error then ASCII SMS text messages shall be presented in a useable format.	1	
SPT-AO-15 If a cellular forensic tool completes acquisition of the target		
SIM without error then ASCII EMS text messages shall be presented in	1	
a useable format.	1	
SPT-AO-16 If a cellular forensic tool completes acquisition of the target	1	
SIM without error then the corresponding date/time stamps for all text	1	
messages shall be presented in a useable format.		
SPT-AO-17 If a cellular forensic tool completes acquisition of the target	1	
SIM without error then the corresponding status (i.e., read, unread) for	1	
text messages shall be presented in a useable format.		
SPT-AO-18 If a cellular forensic tool completes acquisition of the target		
SIM without error then the corresponding sender / recipient phone	1	
numbers for text messages shall be presented in a useable format.		
SPT-AO-19 If the cellular forensic tool completes acquisition of the		
target SIM without error then deleted text messages that have not been	1	
overwritten shall be presented in a useable format.		
SPT-AO-20 If a cellular forensic tool completes acquisition of the target		
SIM without error then location related data (i.e., LOCI) shall be	1	
presented in a useable format.		
SPT-AO-21 If a cellular forensic tool completes acquisition of the target		
SIM without error then location related data (i.e., GRPSLOCI) shall be	1	
presented in a useable format.		
SPT-AO-22 If a cellular forensic tool provides the user with an		
"Acquire All" SIM data objects acquisition option then the tool shall	1	
complete the acquisition of all data objects without error.		
SPT-AO-23 If a cellular forensic tool provides the user with an "Select		
All" individual SIM data objects then the tool shall complete the	1	
acquisition of all individually selected data objects without error.		
SPT-AO-24 If a cellular forensic tool provides the user with the ability	4	
to "Select Individual" SIM data objects for acquisition then the tool	1	

Assertions Tested	Tests	Anomaly
shall acquire each exclusive data object without error.		
SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM		
without error then the tool shall present the acquired data in a useable	2	
format via supported generated report formats.		
SPT-AO-26 If a cellular forensic tool completes acquisition of the SIM		
without error then the tool shall present the acquired data in a useable	2	
format in a preview pane view.		
SPT-AO-27 If the case file or individual data objects are modified via		
third-party means then the tool shall provide protection mechanisms	2	
disallowing or reporting data modification.		
SPT-AO-28 If the SIM is password-protected then the cellular forensic		
tool shall provide the examiner with the opportunity to input the PIN	1	
before acquisition.		
SPT-AO-29 If a cellular forensic tool provides the examiner with the		
remaining number of authentication attempts then the application should	1	
provide an accurate count of the remaining PIN attempts.		
SPT-AO-30 If a cellular forensic tool provides the examiner with the		
remaining number of PUK attempts then the application should provide	1	
an accurate count of the remaining PUK attempts.		
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII		
characters then the application should present ADNs in their native	2	
format.		
SPT-AO-41 If the cellular forensic tool supports proper display of non-		
ASCII characters then the application should present text messages in	2	
their native format.		
SPT-AO-43 If the cellular forensic tool supports hashing for individual		
data objects then the tool shall present the user with a hash value for	2	
each supported data object.		

Table 3e: Assertions Tested: (Motorola Tundra)

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

Assertions Tested	Tests	Anomaly
to "Select Individual" device data objects for acquisition then the tool		
shall acquire each exclusive data object without error.		
SPT-CA-32 If a cellular forensic tool completes two consecutive logical		
acquisitions of the target device without error then the payload (data	1	
objects) on the mobile device shall remain consistent.		
SPT-AO-01 If a cellular forensic tool provides support for connectivity		
of the target SIM then the tool shall successfully recognize the target	2	
SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary		
reader, smart phone itself).		
SPT-AO-02 If a cellular forensic tool attempts to connect to a		
nonsupported SIM then the tool shall notify the user that the SIM is not	1	
supported.		
SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM		
reader then the tool shall notify the user that connectivity has been	1	3.2
disrupted.		
SPT-AO-04 If a cellular forensic tool completes acquisition of the target	1	
SIM without error then the SPN shall be presented in a useable format.	1	
SPT-AO-05 If a cellular forensic tool completes acquisition of the target		
SIM without error then the ICCID shall be presented in a useable	1	
format.		
SPT-AO-06 If a cellular forensic tool completes acquisition of the target	1	
SIM without error then the IMSI shall be presented in a useable format.	1	
SPT-AO-07 If a cellular forensic tool completes acquisition of the target		
SIM without error then the MSISDN shall be presented in a useable	1	
format.		
SPT-AO-08 If a cellular forensic tool completes acquisition of the target		
SIM without error then ASCII Abbreviated Dialing Numbers (ADN)	1	
shall be presented in a useable format.		
SPT-AO-09 If a cellular forensic tool completes acquisition of the target		
SIM without error then maximum length ADNs shall be presented in a	1	
useable format.		
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM		
without error then ADNs containing special characters shall be	1	
presented in a useable format.		
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM		
without error then ADNs containing blank names shall be presented in a	1	
useable format.		
SPT-AO-12 If a cellular forensic tool completes acquisition of the target		
SIM without error then Last Numbers Dialed (LND) shall be presented	1	
in a useable format.		
SPT-AO-13 If a cellular forensic tool completes acquisition of the target		
SIM without error then the corresponding date/time stamps for LNDs	1	
shall be presented in a useable format.		
SPT-AO-14 If a cellular forensic tool completes acquisition of the target	1	
SIM without error then ASCII SMS text messages shall be presented in	1	

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 1 text messages shall be presented in a useable format. SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding status (i.e., read, unread) for 1 text messages shall be presented in a useable format. SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error then deleted text messages that have not been overwritten shall be presented in a useable format. SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., LOCI) shall be 1 presented in a useable format. SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., GRPSLOCI) shall be 1 presented in a useable format. SPT-AO-21 If a cellular forensic tool provides the user with an "Acquire AII" SIM data objects tool provides the user with an "Acquire AII" SIM data objects then the tool shall 1 complete the acquisition of all data objects without error. SPT-AO-23 If a cellular forensic tool provides the user with an "Select AII" individual SIM data objects then teol shall complete the 1 acquisition of all individually selected data objects without error. SPT-AO-24 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable 1 format via supported generated report formats. SPT-AO-24 If a cellular forensic tool completes acquisit	Assertions Tested	Tests	Anomaly
SIM without error then ASCII EMS text messages shall be presented in a useable format. 1 SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for all text 1 1 SPT-AO-17 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding status (i.e., read, unread) for 1 1 SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding sender / recipient phone 1 1 numbers for text messages shall be presented in a useable format. SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error then deleted text messages that have not been 1 0 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., GRPSLOCI) shall be 1 1 presented in a useable format. 1 1 SPT-AO-22 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects acquisition option then the tool shall 1 1 complete the acquisition of all data objects without error. SPT-AO-22 If a cellular forensic tool provides the user with an "Select All" individual SIM data objects then the tool shall complete the acquisition of all data objects without error. 1 SPT-AO-23 If a cellular forensic tool provides the user with an "Select All" individual "SIM data objects for acquired data in a useable format.			
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 1 text messages shall be presented in a useable format. SPT-AO-18 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding sender / recipient phone 1 numbers for text messages shall be presented in a useable format. SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error then deleted text messages that have not been overwritten shall be presented in a useable format. SPT-AO-19 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., LOCI) shall be 1 presented in a useable format. SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., GRPSLOCI) shall be 1 presented in a useable format. SPT-AO-22 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects without error. SPT-AO-23 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects without error. SPT-AO-24 If a cellular forensic tool provides the user with an "Acquire all" SIM data objects then the tool shall complete the 1 acquisition of all data objects without error. SPT-AO-24 If a cellular forensic tool provides the user with an "Select All" individual SIM data objects for acquisition then the tool 1 shall acquire each exclusive data objects without error. SPT-AO-24 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable 1 format via supported generated report formats. SPT-AO-25 If a cellular forensic tool completes acquisition of	SPT-AO-15 If a cellular forensic tool completes acquisition of the target		
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SIM without error then the corresponding date/time stamps for all text 1 messages shall be presented in a useable format. 1 SPT-AO-17 If a cellular forensic tool completes acquisition of the target 1 SIM without error then the corresponding status (i.e., read, unread) for 1 text messages shall be presented in a useable format. 1 SPT-AO-18 If a cellular forensic tool completes acquisition of the target 1 SIM without error then the corresponding sender / recipient phone 1 numbers for text messages shall be presented in a useable format. 1 SPT-AO-19 If the cellular forensic tool completes acquisition of the target 1 SPT-AO-20 If a cellular forensic tool completes acquisition of the target 1 SPT-AO-21 If a cellular forensic tool completes acquisition of the target 1 SPT-AO-21 If a cellular forensic tool completes acquisition of the target 1 SPT-AO-21 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects acquisition option then the tool shall 1 complete he acquisition of all data objects without error. SPT-AO-23 If a cellular forensic tool provides the user with an "Select 1 All" individual SIM data objects for acquisition of the tool 1 1 2 SPT-AO-25 If a cellular forensic to	a useable format.		
messages shall be presented in a useable format. Image: Completes acquisition of the target SIM without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. Image: Completes acquisition of the target SIM without error then the corresponding sender / recipient phone in unmore for text messages shall be presented in a useable format. Image: Completes acquisition of the target SIM without error then the corresponding sender / recipient phone in unmore 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. Image: Completes acquisition of the target SIM without error then location related data (i.e., LOCI) shall be in 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., GRPSLOCI) shall be in presented in a useable format. Image: Complete Simplement in the tool shall in the strenge in the complete the acquisition of all data objects without error. SPT-AO-21 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects then the tool shall in complete the acquisition of all data objects without error. Image: Complete Simplement in the complete simplement in a useable in the cool shall in the col shall complete the acquired 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 of the SIM without error then the tool shall present the acquired data in a useable in format. Image	SPT-AO-16 If a cellular forensic tool completes acquisition of the target		
SPT-AO-17 If a cellular forensic tool completes acquisition of the target 1 SIM without error then the corresponding status (i.e., read, unread) for 1 text messages shall be presented in a useable format. 1 SPT-AO-18 If a cellular forensic tool completes acquisition of the target 1 SIM without error then the corresponding sender / recipient phone 1 numbers for text messages shall be presented in a useable format. 1 SPT-AO-19 If the cellular forensic tool completes acquisition of the target 1 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 1 presented in a useable format. 1 SPT-AO-21 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects acquisition of the target SIM without error then location related data (i.e., GRPSLOCI) shall be 1 presented in a useable format. 1 SPT-AO-22 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects without error. SPT-AO-23 If a cellular forensic tool provides the user with an "SPT-AO-24 If a cellular forensic tool provides the user with an "Select All" individual SIM data obj	SIM without error then the corresponding date/time stamps for all text	1	
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SPT-AO-29 If a cellular forensic tool provides the examiner with the			
	*		
remaining number of autoentication attempts then the application should 1	remaining number of authentication attempts then the application should	1	

Assertions Tested	Tests	Anomaly
provide an accurate count of the remaining PIN attempts.		
SPT-AO-30 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts then the application should provide an accurate count of the remaining PUK attempts.	1	
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters then the application should present ADNs in their native format.	1	
SPT-AO-41 If the cellular forensic tool supports proper display of non- ASCII characters then the application should present text messages in their native format.	1	
SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.	1	

Table 3f: Assertions Tested: (HTC Tilt2)

Assertions Tested	Tests	Anomaly
SPT-CA-01 If a cellular forensic tool provides support for connectivity		
of the target device then the tool shall successfully recognize the target	1	
device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).		
SPT-CA-02 If a cellular forensic tool attempts to connect to a		
nonsupported device then the tool shall notify the user that the device is	1	
not supported.		
SPT-CA-03 If connectivity between the mobile device and cellular		
forensic tool is disrupted then the tool shall notify the user that	1	
connectivity has been disrupted.		
SPT-CA-04 If a cellular forensic tool completes acquisition of the target		
device without error then the tool shall have the ability to present		
acquired data objects in a useable format via either a preview pane or	2	
generated report.		
SPT-CA-05 If a cellular forensic tool completes acquisition of the target		
device without error then subscriber-related information shall be	1	
presented in a useable format.		
SPT-CA-06 If a cellular forensic tool completes acquisition of the target		
device without error then equipment related information shall be	1	
presented in a useable format.		
SPT-CA-07 If a cellular forensic tool completes acquisition of the target		
device without error then address book entries shall be presented in a	1	
useable format.		
SPT-CA-08 If a cellular forensic tool completes acquisition of the target		
device without error then maximum length address book entries shall be	1	
presented in a useable format.		
SPT-CA-09 If a cellular forensic tool completes acquisition of the target		
device without error then address book entries containing special	1	
characters shall be presented in a useable format.		
SPT-CA-10 If a cellular forensic tool completes acquisition of the target	1	

Assertions Tested	Tests	Anomaly
device without error then address book entries containing blank names		
shall be presented in a useable format.		
SPT-CA-11 If a cellular forensic tool completes acquisition of the target		
device without error then email addresses associated with address book	1	
entries shall be presented in a useable format.		
SPT-CA-12 If a cellular forensic tool completes acquisition of the target		
device without error then graphics associated with address book entries	1	
shall be presented in a useable format.		
SPT-CA-13 If a cellular forensic tool completes acquisition of the target		
device without error then datebook, calendar, note entries shall be	1	
presented in a useable format.		
SPT-CA-14 If a cellular forensic tool completes acquisition of the target		
device without error then maximum length datebook, calendar, note	1	
entries shall be presented in a useable format.		
SPT-CA-15 If a cellular forensic tool completes acquisition of the target		
device without error then call logs (incoming/outgoing/missed) shall be	1	
presented in a useable format.		
SPT-CA-16 If a cellular forensic tool completes acquisition of the target		
device without error then the corresponding date/time stamps and the	1	
duration of the call for call logs shall be presented in a useable format.		
SPT-CA-17 If a cellular forensic tool completes acquisition of the target		
device without error then ASCII text messages (i.e., SMS, EMS) shall	1	
be presented in a useable format.	-	
SPT-CA-18 If a cellular forensic tool completes acquisition of the target		
device without error then the corresponding date/time stamps for text	1	
messages shall be presented in a useable format.	1	
SPT-CA-19 If a cellular forensic tool completes acquisition of the target		
device without error then the corresponding status (i.e., read, unread) for	1	
text messages shall be presented in a useable format.	1	
SPT-CA-20 If a cellular forensic tool completes acquisition of the target		
device without error then the corresponding sender / recipient phone	1	
numbers for text messages shall be presented in a useable format.	1	
SPT-CA-21 If a cellular forensic tool completes acquisition of the target		
device without error then MMS messages and associated audio shall be	1	
presented in a useable format.	1	
SPT-CA-22 If a cellular forensic tool completes acquisition of the target		
device without error then MMS messages and associated graphic files		
shall be presented in a useable format.	1	
SPT-CA-23 If a cellular forensic tool completes acquisition of the target		
device without error then MMS messages and associated video shall be	1	
presented in a useable format.	1	
SPT-CA-24 If a cellular forensic tool completes acquisition of the target		
device without error then stand-alone audio files shall be presented in a		
	1	
useable format via either an internal application or suggested third-party		
application.		

Assertions Tested	Tests	Anomaly
SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error then device specific application related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.	1	
SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.	1	
SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error.	2	
SPT-CA-30 If a cellular forensic tool provides the user with a "Select All" individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error.	2	
SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object without error.	2	
SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.	1	
SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).	2	
SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM then the tool shall notify the user that the SIM is not supported.	1	
SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader then the tool shall notify the user that connectivity has been disrupted.	1	3.2
SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error then the SPN shall be presented in a useable format.	1	
SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error then the ICCID shall be presented in a useable format.	1	
SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error then the IMSI shall be presented in a useable format.	1	

Assertions Tested	Tests	Anomaly
SPT-AO-07 If a cellular forensic tool completes acquisition of the target		
SIM without error then the MSISDN shall be presented in a useable	1	
format.		
SPT-AO-08 If a cellular forensic tool completes acquisition of the target		
SIM without error then ASCII Abbreviated Dialing Numbers (ADN)	1	
shall be presented in a useable format.		
SPT-AO-09 If a cellular forensic tool completes acquisition of the target		
SIM without error then maximum length ADNs shall be presented in a	1	
useable format.		
SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM		
without error then ADNs containing special characters shall be	1	
presented in a useable format.		
SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM		
without error then ADNs containing blank names shall be presented in a	1	
useable format.	_	
SPT-AO-12 If a cellular forensic tool completes acquisition of the target		
SIM without error then Last Numbers Dialed (LND) shall be presented	1	
in a useable format.	-	
SPT-AO-13 If a cellular forensic tool completes acquisition of the target		
SIM without error then the corresponding date/time stamps for LNDs	1	
shall be presented in a useable format.	1	
SPT-AO-14 If a cellular forensic tool completes acquisition of the target		
SIM without error then ASCII SMS text messages shall be presented in	1	
a useable format.	1	
SPT-AO-15 If a cellular forensic tool completes acquisition of the target		
SIM without error then ASCII EMS text messages shall be presented in	1	
a useable format.	1	
SPT-AO-16 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for all text	1	
1 0 1	1	
messages shall be presented in a useable format.		
SPT-AO-17 If a cellular forensic tool completes acquisition of the target	1	
SIM without error then the corresponding status (i.e., read, unread) for	1	
text messages shall be presented in a useable format.		
SPT-AO-18 If a cellular forensic tool completes acquisition of the target	1	
SIM without error then the corresponding sender / recipient phone	1	
numbers for text messages shall be presented in a useable format.		
SPT-AO-19 If the cellular forensic tool completes acquisition of the		
target SIM without error then deleted text messages that have not been	1	
overwritten shall be presented in a useable format.		
SPT-AO-20 If a cellular forensic tool completes acquisition of the target		
SIM without error then location related data (i.e., LOCI) shall be	1	
presented in a useable format.		
SPT-AO-21 If a cellular forensic tool completes acquisition of the target		
SIM without error then location related data (i.e., GRPSLOCI) shall be	1	
presented in a useable format.		

SPT-AO-22 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects acquisition option then the tool shall1"Acquire All" SIM data objects acquisition option then the tool shall1complete the acquisition of all data objects without error.1SPT-AO-23 If a cellular forensic tool provides the user with an "Select1All" individual SIM data objects then the tool shall complete the acquisition of all individually selected data objects without error.1SPT-AO-24 If a cellular forensic tool provides the user with the ability to "Select Individual" SIM data objects for acquisition then the tool1shall acquire each exclusive data object without error.1SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable format via supported generated report formats.2SPT-AO-26 If a cellular forensic tool completes acquisition of the SIM1	
complete the acquisition of all data objects without error.SPT-AO-23 If a cellular forensic tool provides the user with an "Select All" individual SIM data objects then the tool shall complete the acquisition of all individually selected data objects without error.SPT-AO-24 If a cellular forensic tool provides the user with the ability to "Select Individual" SIM data objects for acquisition then the tool1shall acquire each exclusive data object without error.SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable2format via supported generated report formats.	
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.1SPT-AO-24 If a cellular forensic tool provides the user with the ability to "Select Individual" SIM data objects for acquisition then the tool1shall acquire each exclusive data object without error.1SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable format via supported generated report formats.2	
All" individual SIM data objects then the tool shall complete the acquisition of all individually selected data objects without error.1SPT-AO-24 If a cellular forensic tool provides the user with the ability to "Select Individual" SIM data objects for acquisition then the tool1shall acquire each exclusive data object without error.1SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable format via supported generated report formats.2	
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 tool1shall acquire each exclusive data object without error.SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable2format via supported generated report formats.	
SPT-AO-24 If a cellular forensic tool provides the user with the ability to "Select Individual" SIM data objects for acquisition then the tool1shall acquire each exclusive data object without error.1SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable2format via supported generated report formats.2	
to "Select Individual" SIM data objects for acquisition then the tool1shall acquire each exclusive data object without error.1SPT-AO-25 If a cellular forensic tool completes acquisition of the SIMwithout error then the tool shall present the acquired data in a useable2format via supported generated report formats.2	
shall acquire each exclusive data object without error.SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable2format via supported generated report formats.2	
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 useable2format via supported generated report formats.2	
without error then the tool shall present the acquired data in a useable2format via supported generated report formats.2	
format via supported generated report formats.	
SPT-AO-26 If a cellular forensic tool completes acquisition of the SIM	
Si i i io zo ii u contatui iorensie toor completes ucquistitori or the Shiri	
without error then the tool shall present the acquired data in a useable 2	
format in a preview pane 'view.	
SPT-AO-27 If the case file or individual data objects are modified via	
third-party means then the tool shall provide protection mechanisms 2	
disallowing or reporting data modification.	
SPT-AO-28 If the SIM is password-protected then the cellular forensic	
tool shall provide the examiner with the opportunity to input the PIN 1	
before acquisition.	
SPT-AO-29 If a cellular forensic tool provides the examiner with the	
remaining number of authentication attempts then the application should 1	
provide an accurate count of the remaining PIN attempts.	
SPT-AO-30 If a cellular forensic tool provides the examiner with the	
remaining number of PUK attempts then the application should provide 1	
an accurate count of the remaining PUK attempts.	
SPT-AO-31 If the cellular forensic tool supports a physical acquisition	
of the target device then the tool shall complete the acquisition without 1	
error.	
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 1	
recoverable active and deleted SMS messages or SMS message data	

Assertions Tested	Tests	Anomaly
remnants in a useable format.		
SPT-AO-36 If the cellular forensic tool supports the interpretation of EMS messages present on the target device then the tool shall report recoverable active and deleted EMS messages or EMS message data remnants in a useable format.	1	
SPT-AO-37 If the cellular forensic tool supports the interpretation of audio files present on the target device then the tool shall report recoverable active and deleted audio data or audio file data remnants in a useable format.	1	
SPT-AO-38 If the cellular forensic tool supports the interpretation of graphic files present on the target device then the tool shall report recoverable active and deleted graphic file data or graphic file data remnants in a useable format.	1	
SPT-AO-39 If the cellular forensic tool supports the interpretation of video files present on the target device then the tool shall report recoverable active and deleted video file data or video file data remnants in a useable format.	1	
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters then the application should present ADNs in their native format.	2	
SPT-AO-41 If the cellular forensic tool supports proper display of non- ASCII characters then the application should present text messages in their native format.	2	
SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.	2	
Table 3g: Assertions Tested: (iPhone4 CDMA)		
Assertions Tested	Tests	Anomaly
SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target	1	

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

Assertions Tested	Tests	Anomaly
SPT-CA-06 If a cellular forensic tool completes acquisition of the target		
device without error then equipment related information shall be	1	
presented in a useable format.		
SPT-CA-07 If a cellular forensic tool completes acquisition of the target		
device without error then address book entries shall be presented in a	1	
useable format.		
SPT-CA-08 If a cellular forensic tool completes acquisition of the target		
device without error then maximum length address book entries shall be	1	
presented in a useable format.		
SPT-CA-09 If a cellular forensic tool completes acquisition of the target		
device without error then address book entries containing special	1	
characters shall be presented in a useable format.		
SPT-CA-10 If a cellular forensic tool completes acquisition of the target		
device without error then address book entries containing blank names	1	
shall be presented in a useable format.		
SPT-CA-11 If a cellular forensic tool completes acquisition of the target		
device without error then email addresses associated with address book	1	
entries shall be presented in a useable format.		
SPT-CA-12 If a cellular forensic tool completes acquisition of the target		
device without error then graphics associated with address book entries	1	
shall be presented in a useable format.		
SPT-CA-13 If a cellular forensic tool completes acquisition of the target		
device without error then datebook, calendar, note entries shall be	1	
presented in a useable format.		
SPT-CA-14 If a cellular forensic tool completes acquisition of the target		
device without error then maximum length datebook, calendar, note	1	
entries shall be presented in a useable format.		
SPT-CA-15 If a cellular forensic tool completes acquisition of the target		
device without error then call logs (incoming/outgoing/missed) shall be	1	
presented in a useable format.		
SPT-CA-16 If a cellular forensic tool completes acquisition of the target		
device without error then the corresponding date/time stamps and the	1	
duration of the call for call logs shall be presented in a useable format.		
SPT-CA-17 If a cellular forensic tool completes acquisition of the target		
device without error then ASCII text messages (i.e., SMS, EMS) shall	1	
be presented in a useable format.		
SPT-CA-18 If a cellular forensic tool completes acquisition of the target		
device without error then the corresponding date/time stamps for text	1	
messages shall be presented in a useable format.	-	
SPT-CA-19 If a cellular forensic tool completes acquisition of the target		
device without error then the corresponding status (i.e., read, unread) for	1	
text messages shall be presented in a useable format.	-	
SPT-CA-20 If a cellular forensic tool completes acquisition of the target		
device without error then the corresponding sender / recipient phone	1	
numbers for text messages shall be presented in a useable format.	-	
numbers for text messages shan of presented in a ascable format.		

Assertions Tested	Tests	Anomaly
SPT-CA-21 If a cellular forensic tool completes acquisition of the target		
device without error then MMS messages and associated audio shall be	1	
presented in a useable format.		
SPT-CA-22 If a cellular forensic tool completes acquisition of the target		
device without error then MMS messages and associated graphic files	1	
shall be presented in a useable format.		
SPT-CA-23 If a cellular forensic tool completes acquisition of the target		
device without error then MMS messages and associated video shall be	1	
presented in a useable format.		
SPT-CA-24 If a cellular forensic tool completes acquisition of the target		
device without error then stand-alone audio files shall be presented in a	1	
useable format via either an internal application or suggested third-party	1	
application.		
SPT-CA-25 If a cellular forensic tool completes acquisition of the target		
device without error then stand-alone graphic files shall be presented in		
a useable format via either an internal application or suggested third-	1	
party application.		
SPT-CA-26 If a cellular forensic tool completes acquisition of the target		
· · · ·		
device without error then stand-alone video files shall be presented in a	1	
useable format via either an internal application or suggested third-party		
application.		
SPT-CA-27 If a cellular forensic tool completes acquisition of the target		
device without error then device specific application related data shall	1	
be acquired and presented in a useable format via either an internal		
application or suggested third-party application.		
SPT-CA-28 If a cellular forensic tool completes acquisition of the target		
device without error then Internet related data (i.e., bookmarks, visited	1	
sites) cached to the device shall be acquired and presented in a useable	1	
format.		
SPT-CA-29 If a cellular forensic tool provides the user with an		
"Acquire All" device data objects acquisition option then the tool shall	2	
complete the acquisition of all data objects without error.		
SPT-CA-30 If a cellular forensic tool provides the user with a "Select		
All" individual device data objects then the tool shall complete the	2	
acquisition of all individually selected data objects without error.		
SPT-CA-31 If a cellular forensic tool provides the user with the ability		
to "Select Individual" device data objects for acquisition then the tool	2	
shall acquire each exclusive data object without error.	-	
SPT-CA-32 If a cellular forensic tool completes two consecutive logical		
acquisitions of the target device without error then the payload (data	1	
objects) on the mobile device shall remain consistent.	T	
SPT-AO-25 If a cellular forensic tool completes acquisition of the target		
device without error then the tool shall present the acquired data in a	1	
	1	
useable format via supported generated report formats.	1	
SPT-AO-26 If a cellular forensic tool completes acquisition of the target	1	

Assertions Tested	Tests	Anomaly
device without error then the tool shall present the acquired data in a		
useable format in a preview pane 'view.		
SPT-AO-27 If the case file or individual data objects are modified via		
third-party means then the tool shall provide protection mechanisms	1	
disallowing or reporting data modification.		
SPT-AO-31 If the cellular forensic tool supports a physical acquisition		
of the target device then the tool shall complete the acquisition without	1	
error.		
SPT-AO-32 If the cellular forensic tool supports the interpretation of		
address book entries present on the target device then the tool shall	1	3.3
report recoverable active and deleted data or address book data remnants	1	5.5
in a useable format.		
SPT-AO-33 If the cellular forensic tool supports the interpretation of		
calendar, tasks, or notes present on the target device then the tool shall	1	3.3
report recoverable active and deleted calendar, tasks, or note data	1	5.5
remnants in a useable format.		
SPT-AO-34 If the cellular forensic tool supports the interpretation of		
call logs present on the target device then the tool shall report	1	
recoverable active and deleted call or call log data remnants in a useable	1	
format.		
SPT-AO-35 If the cellular forensic tool supports the interpretation of		
SMS messages present on the target device then the tool shall report	1	
recoverable active and deleted SMS messages or SMS message data	1	
remnants in a useable format.		
SPT-AO-36 If the cellular forensic tool supports the interpretation of		
EMS messages present on the target device then the tool shall report	1	
recoverable active and deleted EMS messages or EMS message data	1	
remnants in a useable format.		
SPT-AO-37 If the cellular forensic tool supports the interpretation of		
audio files present on the target device then the tool shall report	1	
recoverable active and deleted audio data or audio file data remnants in	1	
a useable format.		
SPT-AO-38 If the cellular forensic tool supports the interpretation of		
graphic files present on the target device then the tool shall report	1	
recoverable active and deleted graphic file data or graphic file data	1	
remnants in a useable format.		
SPT-AO-39 If the cellular forensic tool supports the interpretation of		
video files present on the target device then the tool shall report	1	
recoverable active and deleted video file data or video file data remnants	1	
in a useable format.		
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII		
characters then the application should present address book entries in	1	
their native format.		
SPT-AO-41 If the cellular forensic tool supports proper display of non-	1	
ASCII characters then the application should present text messages in	1	

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

Table 3h: Assertions Tested: (HTC Thunderbolt)

Table 3h: Assertions Tested: (HTC Thunderbolt) Assertions Tested	Tests	Anomaly
SPT-CA-01 If a cellular forensic tool provides support for connectivity		J
of the target device then the tool shall successfully recognize the target	1	
device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).		
SPT-CA-02 If a cellular forensic tool attempts to connect to a		
nonsupported device then the tool shall notify the user that the device is	1	
not supported.		
SPT-CA-03 If connectivity between the mobile device and cellular		
forensic tool is disrupted then the tool shall notify the user that	1	
connectivity has been disrupted.	_	
SPT-CA-04 If a cellular forensic tool completes acquisition of the target		
device without error then the tool shall have the ability to present		
acquired data objects in a useable format via either a preview pane or	2	
generated report.		
SPT-CA-05 If a cellular forensic tool completes acquisition of the target		
device without error then subscriber-related information shall be	1	
presented in a useable format.		
SPT-CA-06 If a cellular forensic tool completes acquisition of the target		
device without error then equipment related information shall be	1	
presented in a useable format.		
SPT-CA-07 If a cellular forensic tool completes acquisition of the target		
device without error then address book entries shall be presented in a	1	
useable format.		
SPT-CA-08 If a cellular forensic tool completes acquisition of the target		
device without error then maximum length address book entries shall be	1	
presented in a useable format.		
SPT-CA-09 If a cellular forensic tool completes acquisition of the target		
device without error then address book entries containing special	1	
characters shall be presented in a useable format.		
SPT-CA-10 If a cellular forensic tool completes acquisition of the target		
device without error then address book entries containing blank names	1	
shall be presented in a useable format.		
SPT-CA-11 If a cellular forensic tool completes acquisition of the target		
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	

Assertions Tested	Tests	Anomaly
device without error then graphics associated with address book entries		
shall be presented in a useable format.		
SPT-CA-13 If a cellular forensic tool completes acquisition of the target		
device without error then datebook, calendar, note entries shall be	1	
presented in a useable format.		
SPT-CA-14 If a cellular forensic tool completes acquisition of the target		
device without error then maximum length datebook, calendar, note	1	
entries shall be presented in a useable format.		
SPT-CA-15 If a cellular forensic tool completes acquisition of the target		
device without error then call logs (incoming/outgoing/missed) shall be	1	
presented in a useable format.		
SPT-CA-16 If a cellular forensic tool completes acquisition of the target		
device without error then the corresponding date/time stamps and the	1	
duration of the call for call logs shall be presented in a useable format.		
SPT-CA-17 If a cellular forensic tool completes acquisition of the target		
device without error then ASCII text messages (i.e., SMS, EMS) shall	1	
be presented in a useable format.		
SPT-CA-18 If a cellular forensic tool completes acquisition of the target		
device without error then the corresponding date/time stamps for text	1	
messages shall be presented in a useable format.		
SPT-CA-19 If a cellular forensic tool completes acquisition of the target		
device without error then the corresponding status (i.e., read, unread) for	1	
text messages shall be presented in a useable format.		
SPT-CA-20 If a cellular forensic tool completes acquisition of the target		
device without error then the corresponding sender / recipient phone	1	
numbers for text messages shall be presented in a useable format.		
SPT-CA-21 If a cellular forensic tool completes acquisition of the target		
device without error then MMS messages and associated audio shall be	1	
presented in a useable format.		
SPT-CA-22 If a cellular forensic tool completes acquisition of the target		
device without error then MMS messages and associated graphic files	1	
shall be presented in a useable format.		
SPT-CA-23 If a cellular forensic tool completes acquisition of the target		
device without error then MMS messages and associated video shall be	1	
presented in a useable format.		
SPT-CA-24 If a cellular forensic tool completes acquisition of the target		
device without error then stand-alone audio files shall be presented in a	1	
useable format via either an internal application or suggested third-party	1	
application.		
SPT-CA-25 If a cellular forensic tool completes acquisition of the target		
device without error then stand-alone graphic files shall be presented in	1	
a useable format via either an internal application or suggested third-	1	
party application.		
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	1	

Assertions Tested	Tests	Anomaly
useable format via either an internal application or suggested third-party		
application.		
SPT-CA-27 If a cellular forensic tool completes acquisition of the target		
device without error then device specific application related data shall	1	
be acquired and presented in a useable format via either an internal	1	
application or suggested third-party application.		
SPT-CA-28 If a cellular forensic tool completes acquisition of the target		
device without error then Internet related data (i.e., bookmarks, visited	1	
sites) cached to the device shall be acquired and presented in a useable	1	
format.		
SPT-CA-29 If a cellular forensic tool provides the user with an		
"Acquire All" device data objects acquisition option then the tool shall	2	
complete the acquisition of all data objects without error.		
SPT-CA-30 If a cellular forensic tool provides the user with a "Select		
All" individual device data objects then the tool shall complete the	2	
acquisition of all individually selected data objects without error.		
SPT-CA-31 If a cellular forensic tool provides the user with the ability		
to "Select Individual" device data objects for acquisition then the tool	2	
shall acquire each exclusive data object without error.		
SPT-CA-32 If a cellular forensic tool completes two consecutive logical		
acquisitions of the target device without error then the payload (data	1	
objects) on the mobile device shall remain consistent.		
SPT-AO-25 If a cellular forensic tool completes acquisition of the target		
device without error then the tool shall present the acquired data in a	1	
useable format via supported generated report formats.		
SPT-AO-26 If a cellular forensic tool completes acquisition of the target		
device without error then the tool shall present the acquired data in a	1	
useable format in a preview pane 'view.		
SPT-AO-27 If the case file or individual data objects are modified via		
third-party means then the tool shall provide protection mechanisms	1	
disallowing or reporting data modification.		
SPT-AO-40 If the cellular forensic tool supports display of non-ASCII		
characters then the application should present address book entries in	1	
their native format.		
SPT-AO-41 If the cellular forensic tool supports proper display of non-		
ASCII characters then the application should present text messages in	1	
their native format.		
SPT-AO-43 If the cellular forensic tool supports hashing for individual		
data objects then the tool shall present the user with a hash value for	1	
each supported data object.		
SPT-AO-44 If the cellular forensic tool supports acquisition of GPS		
data then the tool shall present the user with the longitude and latitude	1	
coordinates for all GPS-related data in a useable format.		

- 142 Table 4a-4h list the assertions that were not tested, usually due to the tool not supporting
- 143 an optional feature.
- 144

145 Table 4a: Assertions Not Tested (iPhone4 GSM)

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

146

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

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

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

148

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

Assertions Not Tested SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error then subscriber-related information shall be presented in a useable format. SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error then equipment related information shall be presented in a useable format.

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

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

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

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

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

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

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

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

useable format.

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

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

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

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

SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.

SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.

SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated audio shall be presented in a useable format.

SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated graphic files shall be presented in a useable format.

SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated video shall be presented in a useable format.

SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error then device specific application related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.

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

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

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

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

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

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

SPT-AO-36 If the cellular forensic tool supports the interpretation of EMS messages

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

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

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

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

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

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

150

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

Assertions Not Tested

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

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

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

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

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

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

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

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

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

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

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

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

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

152

153 Table 4e: Assertions Not Tested (Motorola Tundra)

Assertions Not Tested

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.

SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.

SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated audio shall be presented in a useable format.

SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated graphic files shall be presented in a useable format.

SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated video shall be presented in a useable format.

SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error then stand-alone audio files shall be presented in a useable format via either an internal application or suggested third-party application.

SPT-CA-25 If a cellular forensic tool completes acquisition of the target device without error then stand-alone graphic files shall be presented in a useable format via either an internal application or suggested third-party application.

SPT-CA-26 If a cellular forensic tool completes acquisition of the target device without error then stand-alone video files shall be presented in a useable format via either an internal application or suggested third-party application.

SPT-CA-27 If a cellular forensic tool completes acquisition of the target device without error then device specific application related data shall be acquired and presented in a useable format via either an internal application or suggested third-party application.

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

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

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

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

Assertions Not Tested 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.

154

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

Assertions Not Tested

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

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

156

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

Assertions Not Tested SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).

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

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

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

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

February 2013

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.

158

159 Table 4h: Assertions Not Tested (HTC Thunderbolt)

Assertions Not Tested SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself).

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., GRPSLOCI) shall be presented in a useable format. SPT-AO-22 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects acquisition option then the tool shall complete the acquisition of all data objects

without error.

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

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

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

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

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

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

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

Assertions Not Tested 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.

160

- 161 The following sections provide detailed information for the anomalies from Tables 3a – 3h.
- 162

3.1 Device connectivity 163

- 164 For test case SPT-01, connectivity to the Motorola Tundra was not established using the
- 165 supported interface. The device was listed in Windows device manager and files
- contained within the following folders were viewable using Windows Explorer: 166
- 167 Documents, Pictures, unknown, Voice, Music, Programs, Video. Multiple attempts were
- made to establish connectivity. The following error was reported: "No devices found on 168
- 169 cable connecion media."

3.2 Notification of device acquisition disruption 170

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

176 3.3 Physical Acquisition

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

179 **4 Testing Environment**

- 180 The tests were run in the NIST CFTT lab. This section describes the testing environment
- 181 including available computers, mobile devices and the data objects used to populate 182 mobile devices and Subscriber Identity Modules
- 182 mobile devices and Subscriber Identity Modules.

183 4.1 Test Computers

- 184 One computer was used to run the tool: **Morrisy**.
- 185 **Morrisy** has the following configuration:
- 186
- 187 Intel® D975XBX2 Motherboard
- 188 BIOS Version BX97520J.86A.2674.2007.0315.1546
- 189 Intel® CoreTM2 Duo CPU 6700 @ 2.66Ghz
- 190 3.25 GB RAM
- 191 1.44 MB floppy drive
- 192 LITE–ON CD H LH52N1P
- 193 LITE-ON DVDRW LH-20A1P
- 194 2 slots for removable SATA hard disk drive
- 195 8 USB 2.0 slots
- 196 2 IEEE 1394 ports
- 197 3 IEEE 1394 ports (mini)

198 **4.2 Mobile Devices**

- 199 The following table lists the mobile devices used.
- 200
- 201 Table 4.2 Mobile Devices

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

202

203

204 4.3 Internal memory data objects

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

207

208 Table 4.3 Internal memory data objects

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

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

210 **4.4 Subscriber Identity Module data objects**

- 211 The following data objects were used to populate the subscriber identity modules.
- 212

213 Table 4.4 Subscriber Identity Module data objects

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

214

215 **5 Test Results**

216 The main item of interest for interpreting the test results is determining the conformance

of the tool with the test assertions. Conformance with each assertion tested by a given test
 case is evaluated by examining the Log Highlights box of the test report.

February 2013

219 5.1 Test Results Report Key

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

224

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

225 Table 5 Test Results Report Key

226

227 **5.2 Test Details**

228 The test results are presented in this section.

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

Test Case SPI	Test Case SPT-01 XRY v6.3.1		
Case	SPT-01 Acquire mobile device internal memory over tool-supported interfaces		
Summary:	(e.g., cable, Bluetooth, IrDA).		
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report. SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a "Select All" individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool provides the user with the ability to "Select Individual" device data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.		
Tester Name:	rpa		

February 2013

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

231 5.2.2 SPT-02 (iPhone4 GSM)

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

232

233 5.2.3 SPT-03 (iPhone4 GSM)

Test Case SPT-03 XRY v6.3.1	
Case	SPT-03 Begin mobile device internal memory acquisition and interrupt
Summary:	connectivity by interface disengagement.
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted.

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

235 5.2.4 SPT-04 (iPhone4 GSM)

Case	CDT-04 Acquire mobile device internal memory and veriev vene	rtod data ria	
	SPT-04 Acquire mobile device internal memory and review reported data via		
Summary:	the preview pane or generated reports for readability.		
Assertions:	SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.		
Tester	rpa		
Name:			
Test Host:	Morrisy		
Test Date:	Tue Jun 19 08:18:21 EDT 2012		
Device:	iPhone4_GSM		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Loq	Created by XRY v6.3.1		
Highlights:	Acquisition started: Tue Jun 19 08:18:21 EDT 2012		
	Acquisition finished: Tue Jun 19 08:20:24 EDT 2012		
	Readability and completeness of acquired data was successful		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected	
Analysis:	Expected results achieved		

236

237 5.2.5 SPT-05 (iPhone4 GSM)

Test Case SPT-05 XRY v6.3.1	
Case	SPT-05 Acquire mobile device internal memory and review reported subscriber
Summary:	and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).
Assertions:	SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error then subscriber-related information shall be presented in a useable format. SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error then equipment related information shall be presented in a useable format.

Test Case SPT-05 XRY v6.3.1			
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Tue Jun 19 08:21:17 EDT 2012		
Device:	iPhone4_GSM		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Tue Jun 19 08:21:17 EDT 2012		
	Acquisition finished: Tue Jun 19 08:32:44	EDT 2012	
	Subscriber and Equipment related data (i.e., MSISDN, IMEI) were acquired) 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		
AHATYSIS.	Expected results achieved		

239 5.2.6 SPT-06 (iPhone4 GSM)

238

239 5.2.0 SPI-U0 (IPHONE4 GSM Test Case SPT-06 XRY v6.3.1

Test Case SPT	-06 XRY v6.3.1
Case	SPT-06 Acquire mobile device internal memory and review reported PIM
Summary:	related data.
Assertions:	SPT-CA-07 If a cellular forensic tool completes acquisition of the target device without error then address book entries shall be presented in a useable format. SPT-CA-08 If a cellular forensic tool completes acquisition of the target device without error then maximum length address book entries shall be presented in a useable format. SPT-CA-09 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing special characters shall be presented in a useable format. SPT-CA-10 If a cellular forensic tool completes acquisition of the target device without error then address book entries containing blank names shall be presented in a useable format. SPT-CA-11 If a cellular forensic tool completes acquisition of the target device without error then email addresses associated with address book entries shall be presented in a useable format. SPT-CA-12 If a cellular forensic tool completes acquisition of the target device without error then 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-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.
Tester Name: Test Host:	rpa
Test Date:	Morrisy Tue Jun 19 08:33:17 EDT 2012
Device:	iPhone4 GSM
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 08:33:17 EDT 2012 Acquisition finished: Tue Jun 19 08:36:38 EDT 2012
	All address book entries were successfully acquired ALL PIM related data was acquired
Results:	

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

241 5.2.7 SPT-07 (iPhone4 GSM)

Test Case SPT	-07 XRY v6.3.1	
Case Summary:	SPT-07 Acquire mobile device internal memory and 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 19 08:37:45 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jun 19 08:37:45 EDT 2012 Acquisition finished: Tue Jun 19 08:40:50 EDT 2012	
	All Call Logs (incoming, outgoing, missed) were 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	

242

243 5.2.8 SPT-08 (iPhone4 GSM)

Test Case SPT	-08 XRY v6.3.1
Case	SPT-08 Acquire mobile device internal memory and review reported text
Summary:	messages.
Assertions:	SPT-CA-17 If a cellular forensic tool completes acquisition of the target
	device without error then ASCII text messages (i.e., SMS, EMS) shall be
	presented in a useable format.
	SPT-CA-18 If a cellular forensic tool completes acquisition of the target
	device without error then the corresponding date/time stamps for text

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

245 **5.2.9 SPT-09 (iPhone4 GSM)** Test Case SPT-09 XRY v6.3.1

Case Summary:SPT-09 Acquire mobile device internal memory and review reported MMS multi- media related data (i.e., text, audio, graphics, video).Assertions:SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated audio shall be presented in a useable format. SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated graphic files shall be presented in a useable format. SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated yideo shall be presented in a useable format.Tester Name:rpaTester Name:rpaTest Host:MorrisyTest Host:MorrisySource SourceOS: WIN XP v5.1.2600 Interface: cableLog Highlights:Created by XRY v6.3.1 Acquisition started: Tue Jun 19 08:49:12 EDT 2012 Acquisition finished: Tue Jun 19 08:56:07 EDT 2012 ALL MMS messages (Audio, Image, Video) were acquiredResults:	Test Case SPT	-09 XRY v6.3.1
Assertions:SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated audio shall be presented in a useable format. SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated graphic files shall be presented in a useable format. SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated 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:rpaTest Host:MorrisyTest Date:Tue Jun 19 08:49:12 EDT 2012Device:iPhone4_GSMSourceOS: WIN XP v5.1.2600Setup:Interface: cableLogCreated by XRY v6.3.1 Acquisition started: Tue Jun 19 08:49:12 EDT 2012 Acquisition finished: Tue Jun 19 08:56:07 EDT 2012 Acquisition finished: Tue Jun 19 08:56:07 EDT 2012 ALL MMS messages (Audio, Image, Video) were acquired	Case	SPT-09 Acquire mobile device internal memory and review reported MMS multi-
device without error then MMS messages and associated audio shall be presented in a useable format. SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated graphic files shall be presented in a useable format. SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated yideo shall be presented in a useable format.Tester Name: Test Nome: Test Date:rpaTest Host:MorrisyTest Date:Tue Jun 19 08:49:12 EDT 2012Device: iPhone4_GSMOS: WIN XP v5.1.2600 Interface: cableLog Highlights:Created by XRY v6.3.1 Acquisition started: Tue Jun 19 08:49:12 EDT 2012 Acquisition finished: Tue Jun 19 08:56:07 EDT 2012 ALL MMS messages (Audio, Image, Video) were acquired	Summary:	media related data (i.e., text, audio, graphics, video).
Test Host:MorrisyTest Date:Tue Jun 19 08:49:12 EDT 2012Device:iPhone4_GSMSourceOS: WIN XP v5.1.2600Setup:Interface: cableLogCreated by XRY v6.3.1Highlights:Acquisition started: Tue Jun 19 08:49:12 EDT 2012Acquisition finished: Tue Jun 19 08:56:07 EDT 2012ALL MMS messages (Audio, Image, Video) were acquired	Assertions:	device without error then MMS messages and associated audio shall be presented in a useable format. SPT-CA-22 If a cellular forensic tool completes acquisition of the 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
Test Date:Tue Jun 19 08:49:12 EDT 2012Device:iPhone4_GSMSource Setup:OS: WIN XP v5.1.2600Interface: cableInterface: cableLog Highlights:Created by XRY v6.3.1 Acquisition started: Tue Jun 19 08:49:12 EDT 2012 Acquisition finished: Tue Jun 19 08:56:07 EDT 2012 ALL MMS messages (Audio, Image, Video) were acquired	Tester Name:	rpa
Device: iPhone4_GSM Source OS: WIN XP v5.1.2600 Setup: Interface: cable Log Created by XRY v6.3.1 Highlights: Acquisition started: Tue Jun 19 08:49:12 EDT 2012 Acquisition finished: Tue Jun 19 08:56:07 EDT 2012 ALL MMS messages (Audio, Image, Video) were acquired	Test Host:	Morrisy
Source OS: WIN XP v5.1.2600 Setup: Interface: cable Log Created by XRY v6.3.1 Highlights: Acquisition started: Tue Jun 19 08:49:12 EDT 2012 Acquisition finished: Tue Jun 19 08:56:07 EDT 2012 ALL MMS messages (Audio, Image, Video) were acquired	Test Date:	Tue Jun 19 08:49:12 EDT 2012
Setup: Interface: cable Log Created by XRY v6.3.1 Highlights: Acquisition started: Tue Jun 19 08:49:12 EDT 2012 Acquisition finished: Tue Jun 19 08:56:07 EDT 2012 ALL MMS messages (Audio, Image, Video) were acquired	Device:	iPhone4_GSM
Log Highlights: Created by XRY v6.3.1 Acquisition started: Tue Jun 19 08:49:12 EDT 2012 Acquisition finished: Tue Jun 19 08:56:07 EDT 2012 ALL MMS messages (Audio, Image, Video) were acquired	Source	OS: WIN XP v5.1.2600
Highlights: Acquisition started: Tue Jun 19 08:49:12 EDT 2012 Acquisition finished: Tue Jun 19 08:56:07 EDT 2012 ALL MMS messages (Audio, Image, Video) were acquired	Setup:	Interface: cable
Acquisition finished: Tue Jun 19 08:56:07 EDT 2012 ALL MMS messages (Audio, Image, Video) were acquired	Log	Created by XRY v6.3.1
ALL MMS messages (Audio, Image, Video) were acquired	Highlights:	Acquisition started: Tue Jun 19 08:49:12 EDT 2012
		Acquisition finished: Tue Jun 19 08:56:07 EDT 2012
Results:		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

247 5.2.10 SPT-10 (iPhone4 GSM)

Test Case SPT	-10 XRY v6.3.1	
Case	SPT-10 Acquire mobile device internal memory and revi	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.	<pre>11 be presented in a suggested third-party sition of the target hall be presented in a suggested third-party sition of the target 11 be presented in a</pre>
Tester	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Tue Jun 19 08:56:35 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jun 19 08:56:35 EDT 2012	
	Acquisition finished: Tue Jun 19 09:13:47 EDT 2012	
	ALL stand-alone data files (Audio, Image, Video) were	acquired
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-24 Acquisition of stand-alone audio files.	as expected
	SPT-CA-25 Acquisition of stand-alone graphic files.	as expected
	SPT-CA-26 Acquisition of stand-alone video files.	as expected
Analysis:	Expected results achieved	
- 2		

248

249 5.2.11 SPT-11 (iPhone4 GSM)

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

February 2013

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

251 5.2.12 SPT-12 (iPhone4 GSM)

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

252

253 5.2.13 SPT-13 (iPhone4 GSM)

Test Case SPT	-13 XRY v6.3.1
Case	SPT-13 Acquire mobile device internal memory by selecting a combination of
Summary:	supported data elements.
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with an "Select All" individual device data objects then the tool shall complete the
	acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object without error.

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

255 5.2.14 SPT-14 (iPhone4 GSM)

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

256

257 5.2.15 SPT-15 (iPhone4 GSM)

Test Case SPT	-15 XRY v6.3.1
Case	SPT-15 Attempt acquisition of a nonsupported SIM.
Summary:	
Assertions:	SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM then the tool shall notify the user that the SIM is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 09:46:10 EDT 2012

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

259 5.2.16 SPT-16 (iPhone4 GSM)

Test Case SPT-16 XRY v6.3.1		
Case	SPT-16 Begin SIM acquisition and interrupt connectivity by interface	
Summary:	disengagement.	
Assertions:	SPT-AO-03 If a cellular forensic tool loses connectivity	-
	reader then the tool shall notify the user that connect	ivity has been
	disrupted.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 19 09:49:39 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jun 19 09:49:39 EDT 2012	
	Acquisition finished: Tue Jun 19 09:57:01 EDT 2012	
	Media acquisition disruption notification was not succe	ssful
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-03 Notification of SIM acquisition disruption.	Not as expected
Analysis:	Expected results not achieved	
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260

261 5.2.17 SPT-17 (iPhone4 GSM)

Test Case SPT	-17 XRY v6.3.1
Case	SPT-17 Acquire SIM memory and review reported subscriber and equipment
Summary:	related information (i.e., SPN, ICCID, IMSI, MSISDN).
Assertions:	SPT-A0-04 If a cellular forensic tool completes acquisition of the target SIM without error then the SPN shall be presented in a useable format. SPT-A0-05 If a cellular forensic tool completes acquisition of the target SIM without error then the ICCID shall be presented in a useable format. SPT-A0-06 If a cellular forensic tool completes acquisition of the target SIM without error then the IMSI shall be presented in a useable format. SPT-A0-07 If a cellular forensic tool completes acquisition of the target SIM without error then the MSISDN shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 09:58:35 EDT 2012
Device:	iPhone4_GSM

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

263 5.2.18 SPT-18 (iPhone4 GSM)

Test Case SPT	-18 XRY v6.3.1	
Case	SPT-18 Acquire SIM memory and review reported Abbr	eviated Dialing Numbers
Summary:	(ADN).	
Assertions:	SPT-AO-08 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format. SPT-AO-09 If a cellular forensic tool completes acquisition of the target SIM without error then maximum length ADNs shall be presented in a useable format. SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing special characters shall be presented in a useable format. SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing blank names shall be presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 19 10:01:01 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 10:01:01 EDT 2012	
	Acquisition finished: Tue Jun 19 10:03:18 EDT 2012	
	All ADNs were acquired	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-08 Acquisition of ADNs.	as expected
	SPT-AO-09 Acquisition of maximum length ADNs.	as expected
	SPT-AO-10 Acquisition of special character ADNs.	as expected
	SPT-AO-11 Acquisition of blank name ADNs.	as expected
Analysis:	Expected results achieved	

264

265

266 **5.2.19 SPT-19 (iPhone4 GSM)**

Test Case SPT-19 XRY v6.3.1

Test Case SPT	-19 XRY v6.3.1	
Case Summary:	SPT-19 Acquire SIM memory and review reported Last Numbers Dialed (LND).	
Assertions:	SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error then Last Numbers Dialed (LND) shall be presented in a useable format. SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 19 10:05:00 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jun 19 10:05:00 EDT 2012 Acquisition finished: Tue Jun 19 10:07:21 EDT 2012	
	LNDs were acquired	
	Date/Time Stamps correctly reported for LNDs	
Results:	 	
	Assertion & Expected Result	Actual Result
	SPT-AO-12 Acquisition of LNDs.	as expected
	SPT-AO-13 Acquisition of LND date/time stamps.	as expected
Analysis:	Expected results achieved	
Analysis.	Expected reputeb deficed	

268 5.2.20 SPT-20 (iPhone4 GSM)

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

	correctly reported	
Results:	Assertion & Expected Result	Actual Result
	SPT-AO-14 Acquisition of SMS messages.	as expected
	SPT-AO-15 Acquisition of EMS messages.	as expected
	SPT-AO-16 Acquisition of text message date/time stamps.	as expected
	SPT-AO-17 Acquisition of text message status flags.	as expected
	SPT-A0-18 Acquisition of sender/recipient phone number associated with text messages.	as expected
Analysis:	Expected results achieved	

270 5.2.21 SPT-21 (iPhone4 GSM)

Test Case SPT	-21 XRY v6.3.1	
Case Summary:	SPT-21 Acquire SIM memory and review recoverable deleted to (SMS, EMS).	ext messages
Assertions:	SPT-AO-19 If the cellular forensic tool completes acquisit: SIM without error then deleted text messages that have not shall be presented in a useable format.	-
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 19 10:10:34 EDT 2012	
Device:	iPhone4_GSM	
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 10:10:34 EDT 2012 Acquisition finished: Tue Jun 19 10:16:33 EDT 2012 Deleted text message data was recovered	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-A0-19 Acquisition of non-overwritten deleted text messages.	as expected
Analysis:	Expected results achieved	

271

272 5.2.22 SPT-22 (iPhone4 GSM)

Test Case SPT	-22 XRY v6.3.1
Case	SPT-22 Acquire SIM memory and review reported location related data (i.e.,
Summary:	LOCI, GPRSLOCI).
Assertions:	SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., LOCI) shall be presented in a useable format. SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., GRPSLOCI) shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 19 10:17:19 EDT 2012
Device:	iPhone4_GSM
Source	OS: WIN XP v5.1.2600
Setup:	Interface: USB

TESC CASE SP.	7-22 XRY v6.3.1	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 10:17:19 EDT 201 Acquisition finished: Tue Jun 19 10:19:45 EDT 20 LOCI data was acquired GPRSLOCI data was acquired	
Results:	Assertion & Expected Result	Actual Result
	SPT-AO-20 Acquisition of LOCI information. SPT-AO-21 Acquisition of GPRSLOCI information.	as expected as expected

274 5.2.23 SPT-23 (iPhone4 GSM)

Test Case SPT	-23 XRY v6.3.1						
Case	SPT-23 Acquire SIM memory by selecting a combination of supported data						
Summary:	elements.						
Assertions:	SPT-AO-01 If a cellular forensic tool provides support the target SIM then the tool shall successfully recogni via all tool-supported interfaces (e.g., PC/SC reader, smart phone itself). SPT-AO-22 If a cellular forensic tool provides the user All" SIM data objects acquisition option then the tool acquisition of all data objects without error. SPT-AO-23 If a cellular forensic tool provides the user All" individual SIM data objects then the tool shall co acquisition of all individually selected data objects w SPT-AO-24 If a cellular forensic tool provides the user "Select Individual" SIM data objects for acquisition th acquire each exclusive data object without error.	ze the target SIM proprietary reader, with an "Acquire shall complete the with an "Select mplete the ithout error. with the ability to					
Tester	rpa						
Name:	- P.G.						
Test Host:	Morrisy						
Test Date:	Tue Jun 19 10:20:16 EDT 2012						
Device:	iPhone4_GSM						
Source	OS: WIN XP v5.1.2600						
Setup:	Interface: USB						
Loq	Created by XRY v6.3.1						
Highlights:	Acquisition started: Tue Jun 19 10:20:16 EDT 2012						
5 5	Acquisition finished: Tue Jun 19 10:26:35 EDT 2012						
	Acquire All acquisition was successful						
Results:							
	Assertion & Expected Result	Actual Result					
	SPT-AO-01 SIM connectivity via supported interfaces.	as expected					
	SPT-AO-22 Acquire-All data objects acquisition.	as expected					
	SPT-AO-23 Select-All data objects acquisition.	as expected					
	SPT-AO-24 Select-Individual data objects acquisition.	as expected					
Analysis:	Expected results achieved						
	▶						

275

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277 5.2.24 SPT-24 (iPhone4 GSM)

 Test Case SPT-24 XRY v6.3.1

 Case
 SPT-24 Acquire mobile device internal memory and review reported data via

supported generated report formats.				
SPT-AO-25 If a cellular forensic tool completes acquisition device without error then the tool shall present the acquir useable format via supported generated report formats.				
rpa				
Morrisy				
Tue Jun 19 10:27:14 EDT 2012				
iPhone4_GSM				
OS: WIN XP v5.1.2600				
Interface: cable				
Created by XRY v6.3.1 Acquisition started: Tue Jun 19 10:27:14 EDT 2012 Acquisition finished: Tue Jun 19 10:33:23 EDT 2012 Complete representation of known data via generated reports	s was successful			
Assertion & Expected Result	Actual Result			
SPT-AO-25 Comparison of known device data elements via generated reports.	as expected			
	SPT-A0-25 If a cellular forensic tool completes acquisition device without error then the tool shall present the acquin useable format via supported generated report formats. rpa Morrisy Tue Jun 19 10:27:14 EDT 2012 iPhone4_GSM OS: WIN XP v5.1.2600 Interface: cable Created by XRY v6.3.1 Acquisition started: Tue Jun 19 10:27:14 EDT 2012 Acquisition finished: Tue Jun 19 10:33:23 EDT 2012 Complete representation of known data via generated reports Assertion & Expected Result			

279 5.2.25 SPT-25 (iPhone4 GSM)

Test Case SPT	-25 XRY v6.3.1					
Case	SPT-25 Acquire mobile device internal memory and review reported data via					
Summary:	the preview pane.					
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition 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 19 10:34:02 EDT 2012					
Device:	iPhone4_GSM					
Source	OS: WIN XP v5.1.2600					
Setup:	Interface: cable					
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 10:34:02 EDT 2012 Acquisition finished: Tue Jun 19 10:35:36 EDT 2012 Complete representation of known data via was successful					
Results:						
	Assertion & Expected Result	Actual Result				
	SPT-AO-26 Comparison of known device data elements via preview-pane.	as expected				
Analysis:	Expected results achieved					
Analysis:	Expected results achieved					

280

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282 5.2.26 SPT-26 (iPhone4 GSM)

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

Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition	n of the SIM			
	without error then the tool shall present the acquired data				
	format via supported generated report formats.				
Tester Name:	rpa				
Test Host:	Morrisy				
Test Date:	Tue Jun 19 10:36:55 EDT 2012				
Device:	iPhone4_GSM				
Source	OS: WIN XP v5.1.2600				
Setup:	Interface: USB				
Log	Created by XRY v6.3.1				
Highlights:	Acquisition started: Tue Jun 19 10:36:55 EDT 2012				
	Acquisition finished: Tue Jun 19 10:40:45 EDT 2012				
	Complete representation of known data via generated reports	s was successful			
- 1.					
Results:					
	Assertion & Expected Result	Actual Result			
	SPT-AO-25 Comparison of known device data elements via	1.00 01 0			
	generated reports.	as expected			
	generated reports.				
Analysis:	Expected results achieved				

284 5.2.27 SPT-27 (iPhone4 GSM)

Test Case SPT	-27 XRY v6.3.1					
Case Summary:	SPT-27 Acquire SIM memory and review reported data via the preview-pane.					
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition 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 19 10:41:08 EDT 2012					
Device:	iPhone4_GSM					
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB					
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 10:41:08 EDT 2012 Acquisition finished: Tue Jun 19 10:46:27 EDT 2012 Complete representation of known data via preview pane was s	uccessful				
Results:	Assertion & Expected Result	Actual Result				
	SPT-AO-26 Comparison of known device data elements via preview-pane.	as expected				
Analysis:	Expected results achieved					

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287 5.2.28 SPT-28 (iPhone4 GSM)

Test Case SPT-	28 XRY v6.3.1
Case	SPT-28 Attempt acquisition of a password-protected SIM.
Summary:	
Assertions:	SPT-A0-28 If the SIM is password-protected then the cellular forensic tool

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

289 5.2.29 SPT-29 (iPhone4 GSM)

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

290

291 5.2.30 SPT-30 (iPhone4 GSM)

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

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

293 5.2.31 SPT-31 (iPhone4 GSM)

Test Case SPT	-31 XRY v6.3.1	
Case	SPT-31 Perform a physical acquisition and review data output	at 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 acquisit	ion without
	error.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 20 13:14:22 EDT 2012	
Device:	iPhone4 GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Secup.	Interface. Cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Wed Jun 20 13:14:22 EDT 2012	
	Acquisition finished: Wed Jun 20 13:35:49 EDT 2012	
	Physical Acquisition: readability and completeness was succ	cessful
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-31 Physical acquisition, data is presented in a useable format.	as expected
Analysis:	Expected results achieved	

294

295 5.2.32 SPT-32 (iPhone4 GSM)

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

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

296 5.2.33 SPT-33 (iPhone4 GSM)

Test Case SPT-33 XRY v6.3.1

Test Case SPT	-33 XRY v6.3.1	
Case	SPT-33 Acquire mobile device internal memory and review	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:	Tue Jun 19 14:04:54 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 14:04:54 EDT 2012 Acquisition finished: Tue Jun 19 14:12:10 EDT 2012 Non-ASCII Address book entries were acquired and proper Non-ASCII text messages were acquired and properly disp	
Results:		-
	Assertion & Expected Result	Actual Result
	SPT-A0-40 Acquisition of non-ASCII address book entries/ADNs.	as expected
	SPT-AO-41 Acquisition of non-ASCII text messages.	as expected
Analysis:	Expected results achieved	

298 5.2.34 SPT-34 (iPhone4 GSM)

Test Case SPT	-34 XRY v6.3.1
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:	Tue Jun 19 14:05:17 EDT 2012
Device:	iPhone4_GSM
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 14:05:17 EDT 2012 Acquisition finished: Tue Jun 19 14:12:20 EDT 2012 Non-ASCII ADNs were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed
Results:	Assertion & Expected Result Actual Result
	SPT-A0-40 Acquisition of non-ASCII address book as expected entries/ADNs.
	SPT-AO-41 Acquisition of non-ASCII text messages. as expected

 Test Case SPT-34 XRY v6.3.1

 Analysis:
 Expected results achieved

299

300 5.2.35 SPT-35 (iPhone4 GSM)

Togt Cago SDT	-35 XRY v6.3.1	
Case	SPT-35 Begin acquisition on a PIN protected SIM to de	
Summary:	provides an accurate count of the remaining number of	
	the PIN attempts are decremented when entering an inc	orrect value.
Assertions:	SPT-AO-29 If a cellular forensic tool provides the ex	aminer with the
	remaining number of authentication attempts then the	application should
	provide an accurate count of the remaining PIN attemp	ts.
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 20 07:20:04 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
_		
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Wed Jun 20 07:20:04 EDT 2012	
5 5	Acquisition finished: Wed Jun 20 07:31:23 EDT 2012	
	The remaining number of PIN attempts were properly di	splaved
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-29 Display remaining number of PIN attempts.	as expected
		<u> </u>
Analysis:	Expected results achieved	
··· <u>·</u> ··· = ·=		

301

302 5.2.36 SPT-36 (iPhone4 GSM)

Test Case SPT	-36 XRY v6.3.1	
Case Summary: Assertions:	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. SPT-AO-30 If a cellular forensic tool provides the ex	he remaining number of when entering an
	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 20 07:20:23 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 20 07:20:23 EDT 2012 Acquisition finished: Wed Jun 20 07:31:42 EDT 2012 Remaining number of PUK attempts were properly displa	yed
Results:	Assertion & Expected Result SPT-AO-30 Display remaining number of PUK attempts.	Actual Result as expected
Analysis:	Expected results achieved	

303 5.2.37 SPT-38 (iPhone4 GSM)

r		
Test Case SPT	-38 XRY v6.3.1	
Case	SPT-38 Acquire mobile device internal memory and review hash	n values for
Summary:	vendor supported data objects.	
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for	
	data objects then the tool shall present the user with a has	sh value for
	each supported data object.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 19 14:15:57 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jun 19 14:15:57 EDT 2012	
	Acquisition finished: Tue Jun 19 14:17:13 EDT 2012	
	Hash values were properly reported for individually acquired	l device data
	elements	
Results:		
	Assertion & Expected Result	Actual
		Result
	SPT-AO-43 Acquire data, check known hash values for	as expected
	consistency.	
Analysis:	Expected results achieved	
AUGIYSIS.	Tradected results achieved	

304

305 5.2.38 SPT-39 (iPhone4 GSM)

Test Case SPT	-39 XRY v6.3.1	
Case	SPT-39 Acquire SIM memory and review hash values for vendo	r supported data
Summary:	objects.	
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing f data objects then the tool shall present the user with a h each supported data object.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 19 14:16:19 EDT 2012	
Device:	iPhone4_GSM	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 19 14:16:19 EDT 2012 Acquisition finished: Tue Jun 19 14:17:23 EDT 2012 Hash values were properly reported for individually acquir elements	ed SIM data
Results:		
	Assertion & Expected Result	Actual Result
	SPT-A0-43 Acquire data, check known hash values for consistency.	as expected
Analysis:	Expected results achieved	

306

307 5.2.39 SPT-40 (iPhone4 GSM)

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

308

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

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

T-CA-01 Device connectivity via supported interfaces.	as expected
	as expected
T-CA-04 Readability and completeness of acquired data via pported reports.	as expected
T-CA-29 Acquire-All data objects acquisition.	as expected
T-CA-30 Select-All data objects acquisition.	as expected
T-CA-31 Select-Individual data objects acquisition.	as expected
T-CA-32 Perform back-to-back acquisitions, check device yload for modifications.	as expected
,	pported reports. T-CA-29 Acquire-All data objects acquisition. T-CA-30 Select-All data objects acquisition. T-CA-31 Select-Individual data objects acquisition. T-CA-32 Perform back-to-back acquisitions, check device

311 5.2.41 SPT-02 (BlackBerry Torch)

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

312

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

Test Case SPT-	Test Case SPT-03 XRY v6.3.1		
Case Summary:	SPT-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.		
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Tue Jul 10 07:44:30 EDT 2012		
Device:	BlackBerry_Torch		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 07:44:30 EDT 2012 Acquisition finished: Tue Jul 10 07:46:23 EDT 2012		

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

315 5.2.43 SPT-04 (BlackBerry Torch)

Test Case SPI	-04 XRY v6.3.1	
Case	SPT-04 Acquire mobile device internal memory and review reported data via	
Summary:	the preview pane or generated reports for readability.	
Assertions:	SPT-CA-04 If a cellular forensic tool completes acquisition of device without error then the tool shall have the ability to acquired data objects in a useable format via either a previe generated report.	present
Tester	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Tue Jul 10 07:47:01 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jul 10 07:47:01 EDT 2012	
	Acquisition finished: Tue Jul 10 07:51:13 EDT 2012	
	Readability and completeness of acquired data was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
Analysis:	Expected results achieved	

316

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

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

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

319 5.2.45 SPT-06 (BlackBerry Torch)

	-06 XRY v6.3.1	t d DTM
Case	SPT-06 Acquire mobile device internal memory and review repor	tea 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	ented in a
	useable format.	
	SPT-CA-08 If a cellular forensic tool completes acquisition o	-
	device without error then maximum length address book entries	s shall be
	presented in a useable format.	
	SPT-CA-09 If a cellular forensic tool completes acquisition o	of the target
	device without error then address book entries containing spe	ecial
	characters shall be presented in a useable format.	
	SPT-CA-10 If a cellular forensic tool completes acquisition o	of 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 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 o	-
	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 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.	
Toston Nama:		
Tester Name: Test Host:	rpa Morrisy	
Test Date:	Tue Jul 10 08:22:22 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
secup.		
Loq	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jul 10 08:22:22 EDT 2012	
ingin gires.	Acquisition finished: Tue Jul 10 08:25:35 EDT 2012	
	All address book entries were successfully acquired	
Results:	All address book entries were successfully acquired	
Results:	All address book entries were successfully acquired	Actual
Results:	All address book entries were successfully acquired ALL PIM related data was acquired	Actual Result
Results:	All address book entries were successfully acquired ALL PIM related data was acquired	
Results:	All address book entries were successfully acquired ALL PIM related data was acquired Assertion & Expected Result	Result
Results:	All address book entries were successfully acquired ALL PIM related data was acquired Assertion & Expected Result SPT-CA-07 Acquisition of address book entries.	Result as expected
Results:	All address book entries were successfully acquired ALL PIM related data was acquired Assertion & Expected Result SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries.	Resultasexpectedasexpected
Results:	All address book entries were successfully acquired ALL PIM related data was acquired Assertion & Expected Result SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing	Result as expected
Results:	All address book entries were successfully acquired ALL PIM related data was acquired Assertion & Expected Result SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing special characters.	Result as expected as expected as expected
Results:	All address book entries were successfully acquired ALL PIM related data was acquired Assertion & Expected Result SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing special characters. SPT-CA-10 Acquisition of address book entries containing a	Resultasexpectedasexpected
Results:	All address book entries were successfully acquired ALL PIM related data was acquired Assertion & Expected Result SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing special characters. SPT-CA-10 Acquisition of address book entries containing a blank name entry.	Resultas expectedas expectedas expectedas expected
Results:	All address book entries were successfully acquired ALL PIM related data was acquired Assertion & Expected Result SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing special characters. SPT-CA-10 Acquisition of address book entries containing a blank name entry. SPT-CA-11 Acquisition of embedded email addresses within	Result as expected as expected as expected
Results:	All address book entries were successfully acquired ALL PIM related data was acquired Assertion & Expected Result SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing special characters. SPT-CA-10 Acquisition of address book entries containing a blank name entry.	Resultas expectedas expectedas expectedas 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	

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

Summary: Assertions: Solution Solution Tester Name: Test Host: Test Date: Solution S	SPT-07 Acquire mobile device internal memory and revie SPT-CA-15 If a cellular forensic tool completes acquire device without error then call logs (incoming/outgoing presented in a useable format. SPT-CA-16 If a cellular forensic tool completes acquire device without error then the corresponding date/time duration of the call for call logs shall be presented rpa Morrisy Tue Jul 10 08:26:37 EDT 2012	sition of the target g/missed) shall be sition of the target stamps and the	
Assertions: S G F S C C C C C C C C C C C C C C C C C C	device without error then call logs (incoming/outgoing presented in a useable format. SPT-CA-16 If a cellular forensic tool completes acquis device without error then the corresponding date/time duration of the call for call logs shall be presented rpa Morrisy	g/missed) shall be sition of the target stamps and the	
Tester Name: 1 Test Host: N Test Date: 7	device without error then call logs (incoming/outgoing presented in a useable format. SPT-CA-16 If a cellular forensic tool completes acquis device without error then the corresponding date/time duration of the call for call logs shall be presented rpa Morrisy	g/missed) shall be sition of the target stamps and the	
Tester Name: 1 Test Host: N Test Date: 7	presented in a useable format. SPT-CA-16 If a cellular forensic tool completes acquis device without error then the corresponding date/time duration of the call for call logs shall be presented rpa Morrisy	sition of the target stamps and the	
Tester Name: 1 Test Host: N Test Date: 7	SPT-CA-16 If a cellular forensic tool completes acquis device without error then the corresponding date/time duration of the call for call logs shall be presented rpa Morrisy	stamps and the	
Tester Name: 1 Test Host: N Test Date: 7	device without error then the corresponding date/time duration of the call for call logs shall be presented rpa Morrisy	stamps and the	
Tester Name: r Test Host: N Test Date: 7	duration of the call for call logs shall be presented rpa Morrisy		
Tester Name: r Test Host: M Test Date: 7	rpa Morrisy	in a useable format	
Test Host: M Test Date: 7	Morrisy		
Test Date: 7	-		
	Tue Jul 10 08:26:37 EDT 2012		
Device: E	BlackBerry_Torch		
Source 0	OS: WIN XP v5.1.2600		
Setup:]	Interface: cable		
5	Created by XRY v6.3.1		
5 5	Acquisition started: Tue Jul 10 08:26:37 EDT 2012		
I	Acquisition finished: Tue Jul 10 08:29:23 EDT 2012		
		_	
	All Call Logs (incoming, outgoing, missed) were acqui		
7	All Call Log date/time stamps data were correctly repo	orted	
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: H	Expected results achieved		

322

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

Test Case SPT	-08 XRY v6.3.1
Case	SPT-08 Acquire mobile device internal memory and review reported text
Summary:	messages.
Assertions:	SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format. SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps for text messages shall be presented in a useable format. SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error then the corresponding sender / recipient phone numbers for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 08:30:21 EDT 2012
Device:	BlackBerry_Torch
Source	OS: WIN XP v5.1.2600

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

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

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

326

327 **5.2.49 SPT-10 (BlackBerry Torch)**

Test Case SPI	T-10 XRY v6.3.1	
Case	SPT-10 Acquire mobile device internal memory and revi	
Summary:	alone multi-media data (i.e., audio, graphics, video)	•
Assertions:	SPT-CA-24 If a cellular forensic tool completes acqui device without error then stand-alone audio files sha useable format via either an internal application or application. SPT-CA-25 If a cellular forensic tool completes acqui device without error then stand-alone graphic files s useable format via either an internal application or application. SPT-CA-26 If a cellular forensic tool completes acqui device without error then stand-alone video files sha useable format via either an internal application or application.	all be presented in a suggested third-party sition of the target shall be presented in a suggested third-party sition of the target all be presented in a
Tester	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Tue Jul 10 08:38:07 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jul 10 08:38:07 EDT 2012	
	Acquisition finished: Tue Jul 10 08:43:31 EDT 2012	
	ALL stand-alone data files (Audio, Image, Video) were	e acquired
Results:		<u>. </u>
	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	

328

329 **5.2.50 SPT-11 (BlackBerry Torch)**

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

	SPT-CA-27 Acquisition of application related data. as expected
Analysis:	Expected results achieved

331 5.2.51 SPT-12 (BlackBerry Torch)

Case	SPT-12 Acquire mobile device internal memory and review Internet related
Summary:	data (i.e., bookmarks, visited sites.
Assertions:	SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 08:48:48 EDT 2012
Device:	BlackBerry_Torch
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by XRY v6.3.1
Highlights:	Acquisition started: Tue Jul 10 08:48:48 EDT 2012
	Acquisition finished: Tue Jul 10 08:51:09 EDT 2012
	All Internet related data was acquired
Results:	
	Assertion & Expected Result Actual Result
	SPT-CA-28 Acquisition of Internet related data. as expected
Analysis:	Expected results achieved

332

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

Test Case SPT	-13 XRY v6.3.1
Case	SPT-13 Acquire mobile device internal memory by selecting a combination of
Summary:	supported data elements.
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with an "Select All" individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 08:51:39 EDT 2012
Device:	BlackBerry_Torch
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by XRY v6.3.1
Highlights:	Acquisition started: Tue Jul 10 08:51:39 EDT 2012
	Acquisition finished: Tue Jul 10 09:10:07 EDT 2012
	Acquire All acquisition was successful
Results:	

February 2013

Results of XRY v6.3.1

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

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

Test Case SPI	C-14 XRY v6.3.1	
Case Summary:	SPT-14 Acquire SIM memory over supported interfaces (e	.g., PC/SC reader).
Assertions:	SPT-AO-01 If a cellular forensic tool provides support the target SIM then the tool shall successfully recogn via all tool-supported interfaces (e.g., PC/SC reader, smart phone itself).	ize the target SIM
Tester	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Tue Jul 10 09:13:46 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 09:13:46 EDT 2012 Acquisition finished: Tue Jul 10 09:15:41 EDT 2012 Media connectivity was established via supported inter	face
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-01 SIM connectivity via supported interfaces.	as expected
Analysis:	Expected results achieved	

336

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

Test Case SPT	-15 XRY v6.3.1	
Case	SPT-15 Attempt acquisition of a nonsupported SIM	
Summary:		
Assertions:	SPT-AO-02 If a cellular forensic tool attempts t SIM then the tool shall notify the user that the	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jul 10 09:16:49 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jul 10 09:16:49 EDT 201	2
	Acquisition finished: Tue Jul 10 09:19:02 EDT 20	12
	Identification of nonsupported media was success	ful
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-02 Identification of nonsupported SIMs.	as expected

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

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

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

340

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

Test Case SPT-	-17 XRY v6.3.1
Case	SPT-17 Acquire SIM memory and review reported subscriber and equipment
Summary:	related information (i.e., SPN, ICCID, IMSI, MSISDN).
Assertions:	SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error then the SPN shall be presented in a useable format. SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error then the ICCID shall be presented in a useable format. SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error then the IMSI shall be presented in a useable format. SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error then the MSISDN shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 09:54:29 EDT 2012
Device:	BlackBerry_Torch
Source	OS: WIN XP v5.1.2600
Setup:	Interface: USB
Log	Created by XRY v6.3.1
Highlights:	Acquisition started: Tue Jul 10 09:54:29 EDT 2012
	Acquisition finished: Tue Jul 10 10:00:46 EDT 2012
	All subscriber-related data (i.e., SPN, ICCID, IMSI, MSISDN) was acquired
Results:	
	Assertion & Expected Result Actual Result
	SPT-AO-04 Acquisition of SPN. as expected
	SPT-A0-05 Acquisition of ICCID. as expected
	SPT-A0-06 Acquisition of IMSI. as expected

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

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

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

344

342

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

Test Case SPT-19 XRY v6.3.1		
Case	SPT-19 Acquire SIM memory and review reported Last Numbers Dialed (LND).	
Summary:		
Assertions:	SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error then Last Numbers Dialed (LND) shall be presented in a useable format. SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jul 10 10:07:12 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	

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

347 5.2.59 SPT-20 (BlackBerry Torch)

Test Case SPT	-20 XRY v6.3.1		
Case Summary:	SPT-20 Acquire SIM memory and review reported text messages (SMS, EMS).	
Assertions:	SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII SMS text messages shall be presented in a useable format.		
	SPT-AO-15 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII EMS text messages shall be presented in a useable format.		
	SPT-A0-16 If a cellular forensic tool completes acquisition of the targe SIM without error then the corresponding date/time stamps for all text messages shall be presented in a useable format. SPT-A0-17 If a cellular forensic tool completes acquisition of the targe 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.		
	for text messages shall be presented in a useable format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Tue Jul 10 10:09:47 EDT 2012		
Device:	BlackBerry_Torch		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Loq	Created by XRY v6.3.1		
Highlights:	Acquisition started: Tue Jul 10 10:09:47 EDT 2012		
	Acquisition finished: Tue Jul 10 10:12:02 EDT 2012		
	ALL toxt mongagon (SMC EMC) work acquired		
	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-A0-14 Acquisition of SMS messages.	as expected	
	SPT-AO-15 Acquisition of EMS messages.	as expected	
	SPT-AO-16 Acquisition of text message date/time stamps.	as expected	
	SPT-AO-17 Acquisition of text message status flags.	as expected	
	SPT-AO-18 Acquisition of sender/recipient phone number	as expected	
	associated with text messages.		
Analysis:	Expected results achieved		

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

Test Case SPT	-21 XRY v6.3.1		
Case	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:	Tue Jul 10 10:12:34 EDT 2012		
Device:	BlackBerry_Torch		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Tue Jul 10 10:12:34 EDT 2012		
	Acquisition finished: Tue Jul 10 10:14:05 EDT 2012		
	Deleted text message data was recovered		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-19 Acquisition of non-overwritten deleted text	as expected	
	messages.		
Analysis:	Expected results achieved		

349

350 5.2.61 SPT-22 (BlackBerry Torch)

Test Case SPT	-22 XRY v6.3.1		
Case	SPT-22 Acquire SIM memory and review reported location related data (i.e.,		
Summary:	LOCI, GPRSLOCI).		
Assertions:	SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., LOCI) shall be presented in a useable format. SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., GRPSLOCI) shall be presented in a useable format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Tue Jul 10 10:16:09 EDT 2012		
Device:	BlackBerry_Torch		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Tue Jul 10 10:16:09 EDT 2012		
	Acquisition finished: Tue Jul 10 10:18:28 EDT 2012		
	LOCI data was acquired GPRSLOCI data was acquired		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-20 Acquisition of LOCI information.	as expected	
	SPT-AO-21 Acquisition of GPRSLOCI information.	as expected	
Analysis:	Expected results achieved		

351

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

Test Case SP1	-23 XRY v6.3.1	
Case	SPT-23 Acquire SIM memory by selecting a combination of	supported data
Summary:	elements.	
Assertions:	SPT-A0-01 If a cellular forensic tool provides support the target SIM then the tool shall successfully recogni via all tool-supported interfaces (e.g., PC/SC reader, smart phone itself). SPT-A0-22 If a cellular forensic tool provides the user All" SIM data objects acquisition option then the tool acquisition of all data objects without error. SPT-A0-23 If a cellular forensic tool provides the user All" individual SIM data objects then the tool shall co acquisition of all individually selected data objects w SPT-A0-24 If a cellular forensic tool provides the user "Select Individual" SIM data objects for acquisition th acquire each exclusive data object without error.	ze the target SIM proprietary reader, with an "Acquire shall complete the with an "Select mplete the ithout error. with the ability to
Tester	rpa	
Name:	194	
Test Host:	Morrisy	
Test Date:	Tue Jul 10 10:18:51 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jul 10 10:18:51 EDT 2012	
	Acquisition finished: Tue Jul 10 10:21:38 EDT 2012	
	Acquire All acquisition was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-01 SIM connectivity via supported interfaces.	as expected
	SPT-AO-22 Acquire-All data objects acquisition.	as expected
	SPT-AO-23 Select-All data objects acquisition.	as expected
	SPT-AO-24 Select-Individual data objects acquisition.	as expected
	· · · · · · · · · · · · · · · · · · ·	·
Analysis:	Expected results achieved	
4		

353

354 5.2.63 SPT-24 (BlackBerry Torch)

Test Case SPT-	-24 XRY v6.3.1
Case	SPT-24 Acquire mobile device internal memory and review reported data via
Summary:	supported generated report formats.
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format via supported generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 10:22:13 EDT 2012
Device:	BlackBerry_Torch
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by XRY v6.3.1
Highlights:	Acquisition started: Tue Jul 10 10:22:13 EDT 2012
	Acquisition finished: Tue Jul 10 10:27:22 EDT 2012
	Complete representation of known data via generated reports was successful
Results:	

	Assertion & Expected Result	Actual Result
	SPT-A0-25 Comparison of known device data elements via generated reports.	as expected
nalysis:	Expected results achieved	

356 **5.2.64 SPT-25 (BlackBerry Torch)**

Test Case SPT	-25 XRY v6.3.1	
Case	SPT-25 Acquire mobile device internal memory and review rep	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 acquir useable format in a preview pane view.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jul 10 10:22:35 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 10:22:35 EDT 2012 Acquisition finished: Tue Jul 10 10:27:31 EDT 2012 Complete representation of known data via preview pane was	successful
Results:		
	Assertion & Expected Result	Actual Result
	SPT-A0-26 Comparison of known device data elements via preview-pane.	as expected
Analysis:	Expected results achieved	

357

358 **5.2.65 SPT-26 (BlackBerry Torch)**

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

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

Test Case SPT-27 XRY v6.3.1		
Case	SPT-27 Acquire SIM memory and review reported data via the	preview-pane.
Summary:		
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition	n of the SIM
	without error then the tool shall present the acquired data	a in a useable
	format in a preview pane view.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jul 10 10:28:56 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jul 10 10:28:56 EDT 2012	
	Acquisition finished: Tue Jul 10 10:33:02 EDT 2012	
	Complete representation of known data via preview pane was	successful
Results:		
	Assertion & Expected Result	Actual
		Result
	SPT-AO-26 Comparison of known device data elements via	as expected
	preview-pane.	
Analysis:	Expected results achieved	

361

359

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

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

 Test Case SPT-28 XRY v6.3.1

 Analysis:
 Expected results achieved

363

364 5.2.68 SPT-29 (BlackBerry Torch)

Test Case SPT	-29 XRY v6.3.1
Case Summary:	SPT-29 After a successful mobile device internal memory, alter the case 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 Jul 10 10:40:31 EDT 2012
Device:	BlackBerry_Torch
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 10:40:31 EDT 2012 Acquisition finished: Tue Jul 10 10:43:47 EDT 2012 Notification of modified device memory data was successful
Results:	Assertion & Expected Result Actual Result
	SPT-AO-27 Notification of modified device case data. as expected
Analysis:	Expected results achieved

365

366 **5.2.69 SPT-30 (BlackBerry Torch)**

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

367 368

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

Test Case SPT	-31 XRY v6.3.1	
Case	SPT-31 Perform a physical acquisition and review data output	t for
Summary:	readability.	
Assertions:	SPT-AO-31 If the cellular forensic tool supports a physical the target device then the tool shall complete the acquisit error.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jul 10 10:41:19 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 10:41:19 EDT 2012 Acquisition finished: Tue Jul 10 10:43:55 EDT 2012 Physical Acquisition: readability and completeness was succe	essful
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-31 Physical acquisition, data is presented in a useable format.	as expected
Analysis:	Expected results achieved	

370

371 5.2.71 SPT-32 (BlackBerry Torch)

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

Tester	rpa	
Name:	120	
Test Host:	Morrisy	
Test Date:	Tue Jul 10 10:41:46 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jul 10 10:41:46 EDT 2012 Acquisition finished: Tue Jul 10 10:44:03 EDT 2012	
	Deleted address book entries were not recovered - NA	
	Deleted PIM data was recovered	
	Deleted Call log data was not recovered - NA Deleted text message data was not recovered - NA	
	Deleted audio data was recovered	
	Deleted graphic data was recovered	
	Deleted video data was recovered	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-32 Physical acquisition, recovery of deleted	NA
	address book entries.	
	SPT-AO-33 Physical acquisition, recovery of deleted PIM data.	As expected
	SPT-AO-34 Physical acquisition, recovery of deleted call	NA
	logs.	INA
	SPT-AO-35 Physical acquisition, recovery of deleted SMS messages.	NA
	SPT-AO-36 Physical acquisition, recovery of deleted EMS	NA
	messages. SPT-AO-37 Physical acquisition, recovery of deleted stand-	as expected
	alone audio files.	
	SPT-AO-38 Physical acquisition, recovery of deleted graphic files.	as expected
	SPT-AO-39 Physical acquisition, recovery of deleted video	as expected
	I BEI-AU-33 ENVSICAL ACQUISILIUN, LECOVELY UN GELELEG VIGEO	as expected
	files.	

373 **5.2.72 SPT-33 (BlackBerry Torch)**

Test Case SPT	-33 XRY v6.3.1
Case Summary:	SPT-33 Acquire mobile device internal memory and review data containing non-ASCII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters then the application should present address book entries in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non- ASCII characters then the application should present text messages in their native format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 10 10:42:07 EDT 2012
Device:	BlackBerry_Torch
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 10:42:07 EDT 2012 Acquisition finished: Tue Jul 10 10:44:12 EDT 2012 Non-ASCII Address book entries were acquired and properly displayed

	Non-ASCII text messages were acquired and properly disp	layed		
Results:				
	Assertion & Expected Result	Actual Result		
	SPT-A0-40 Acquisition of non-ASCII address book entries/ADNs.	as expected		
	SPT-AO-41 Acquisition of non-ASCII text messages.	as expected		
Analysis:	Expected results achieved			

375 5.2.73 SPT-34 (BlackBerry Torch)

	-34 XRY v6.3.1	
Case Summary:	SPT-34 Acquire SIM memory and review data containing non-AS	CII characters.
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of characters then the application should present ADNs in thei SPT-AO-41 If the cellular forensic tool supports proper dis ASCII characters then the application should present text m native format.	r native format. play of non-
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jul 10 10:36:16 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 10:36:16 EDT 2012 Acquisition finished: Tue Jul 10 10:38:50 EDT 2012 Non-ASCII ADNs were acquired and properly displayed Non-ASCII text messages were acquired and properly displaye	d
Results:		
	Assertion & Expected Result	Actual Result
	SPT-A0-40 Acquisition of non-ASCII address book entries/ADNs.	as expected
	SPT-AO-41 Acquisition of non-ASCII text messages.	as expected
Analysis:	Expected results achieved	

376

377 5.2.74 SPT-35 (BlackBerry Torch)

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

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

379 5.2.75 SPT-36 (BlackBerry Torch)

Test Case SPI	-36 XRY v6.3.1	
Case Summary:	SPT-36 Begin acquisition on a SIM whose PIN attempts determine if the tool provides an accurate count of t PUK attempts and if the PUK attempts are decremented incorrect value.	he remaining number of when entering an
Assertions:	SPT-AO-30 If a cellular forensic tool provides the ex remaining number of PUK attempts then the application accurate count of the remaining PUK attempts.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jul 10 10:50:00 EDT 2012	
Device:	BlackBerry_Torch	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 10:50:00 EDT 2012 Acquisition finished: Tue Jul 10 10:51:59 EDT 2012 Remaining number of PUK attempts were properly displa	yed
Results:	Assertion & Expected Result SPT-AO-30 Display remaining number of PUK attempts.	Actual Result as expected
Analysis:	Expected results achieved	

380

381 **5.2.76 SPT-38 (BlackBerry Torch)**

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

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

383 5.2.77 SPT-39 (BlackBerry Torch)

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

384

385 **5.2.78 SPT-01 (Samsung Focus)**

Test Case SPT	-01 XRY v6.3.1
Case	SPT-01 Acquire mobile device internal memory over tool-supported interfaces
Summary:	(e.g., cable, Bluetooth, IrDA).
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report. SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a "Select All" individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool provides the user with the tool shall

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

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

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

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5.2.80 SPT-03 (Samsung Focus)

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5.2.81 SPT-04 (Samsung Focus)

SPT-04 Acquire mobile device internal memory and review repor the preview pane or generated reports for readability. SPT-CA-04 If a cellular forensic tool completes acquisition o device without error then the tool shall have the ability to acquired data objects in a useable format via either a previe generated report.	of the target present
device without error then the tool shall have the ability to acquired data objects in a useable format via either a previe	present
generated report.	IN PAILE OF
rpa	
Morrisy	
Mon Jul 9 10:47:11 EDT 2012	
Samsung_Focus	
OS: WIN XP v5.1.2600	
Interface: cable	
Created by XRY v6.3.1	
Acquisition started: Mon Jul 9 10:47:11 EDT 2012	
Acquisition finished: Mon Jul 9 10:48:46 EDT 2012	
Readability and completeness of acquired data was successful	
Assertion & Expected Result	Actual Result
SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
	Morrisy Mon Jul 9 10:47:11 EDT 2012 Samsung_Focus DS: WIN XP v5.1.2600 Interface: cable Created by XRY v6.3.1 Acquisition started: Mon Jul 9 10:47:11 EDT 2012 Acquisition finished: Mon Jul 9 10:48:46 EDT 2012 Readability and completeness of acquired data was successful Assertion & Expected Result SPT-CA-04 Readability and completeness of acquired data

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

Test Case SPI	-10 XRY v6.3.1	
Case Summary:	SPT-10 Acquire mobile device internal memory and revi 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.	all be presented in a suggested third-party sition of the target suggested third-party suggested third-party sition of the target all be presented in a
Tester	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Mon Jul 9 11:49:20 EDT 2012	
Device:	Samsung_Focus	
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 11:49:20 EDT 2012 Acquisition finished: Mon Jul 9 11:51:21 EDT 2012 ALL stand-alone data files (Audio, Image, Video) were	e 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	

396

397 **5.2.83 SPT-13 (Samsung Focus)**

Test Case SPT	-13 XRY v6.3.1
Case	SPT-13 Acquire mobile device internal memory by selecting a combination of
Summary:	supported data elements.
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with an "Select All" individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object without error.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 9 11:51:44 EDT 2012
Device:	Samsung_Focus
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by XRY v6.3.1
Highlights:	Acquisition started: Mon Jul 9 11:51:44 EDT 2012
	Acquisition finished: Mon Jul 9 11:56:03 EDT 2012
	Acquire All acquisition was successful

Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-29 Acquire-All data objects acquisition.	as expected
	SPT-CA-30 Select-All data objects acquisition.	as expected
	SPT-CA-31 Select-Individual data objects acquisition.	as expected

399 **5.2.84 SPT-14 (Samsung Focus)**

Test Case SP	C-14 XRY v6.3.1	
Case Summary:	SPT-14 Acquire SIM memory over supported interfaces (e	.g., PC/SC reader).
Assertions:	SPT-AO-01 If a cellular forensic tool provides support the target SIM then the tool shall successfully recogn via all tool-supported interfaces (e.g., PC/SC reader, smart phone itself).	ize the target SIM
Tester	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Mon Jul 9 12:03:42 EDT 2012	
Device:	Samsung_Focus	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Mon Jul 9 12:03:42 EDT 2012 Acquisition finished: Mon Jul 9 12:04:49 EDT 2012	
	Media connectivity was established via supported inter	face
Results:	Assertion & Expected Result	Actual Result
	SPT-AO-01 SIM connectivity via supported interfaces.	
	bit ho of bim connectivity via supported interfaces.	as expected
Analysis:	Expected results achieved	

400

401 **5.2.85 SPT-15 (Samsung Focus)**

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

February 2013

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

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

Test Case SPT	-16 XRY v6.3.1	
Case	SPT-16 Begin SIM acquisition and interrupt connectivity	by interface
Summary:	disengagement.	
Assertions:	SPT-AO-03 If a cellular forensic tool loses connectivit reader then the tool shall notify the user that connect disrupted.	-
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jul 10 09:48:00 EDT 2012	
Device:	BlackBerry_Torch	
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 10 09:48:00 EDT 2012 Acquisition finished: Mon Jul 10 09:50:15 EDT 2012 Media acquisition disruption notification was not succe	ssful
Results:		
	Assertion & Expected Result SPT-AO-03 Notification of SIM acquisition disruption.	Actual Result Not as expected
Analysis:	Expected results not achieved	

404

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

Test Case SPT	-17 XRY v6.3.1
Case Summary:	SPT-17 Acquire SIM memory and review reported subscriber and equipment related information (i.e., SPN, ICCID, IMSI, MSISDN).
Assertions:	SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error then the SPN shall be presented in a useable format. SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error then the ICCID shall be presented in a useable format. SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error then the IMSI shall be presented in a useable format. SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error then the IMSI shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 9 12:15:28 EDT 2012
Device:	Samsung_Focus
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 12:15:28 EDT 2012 Acquisition finished: Mon Jul 9 12:19:34 EDT 2012 All subscriber-related data (i.e., SPN, ICCID, IMSI, MSISDN) was acquired
Results:	·
	Assertion & Expected Result Actual Result
	SPT-AO-04 Acquisition of SPN. as expected

	SPT-AO-05 Acquisition of ICCID. as expect	ed
	SPT-AO-06 Acquisition of IMSI. as expected	ed
	SPT-AO-07 Acquisition of MSISDN. as expected	ed
Analysis:	Expected results achieved	

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

Test Case SPT	-18 XRY v6.3.1	
Case	SPT-18 Acquire SIM memory and review reported 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 i a useable format. SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing blank names shall be presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 9 12:25:13 EDT 2012	
Device:	Samsung_Focus	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 12:25:13 EDT 2012 Acquisition finished: Mon Jul 9 12:26:32 EDT 2012 All ADNs were acquired	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-08 Acquisition of ADNs.	as expected
	SPT-AO-09 Acquisition of maximum length ADNs.	as expected
	SPT-AO-10 Acquisition of special character ADNs.	as expected
	SPT-AO-11 Acquisition of blank name ADNs.	as expected
Analysis:	Expected results achieved	

408

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

Test Case SDT.	Test Case SPT-19 XRY v6.3.1	
Case Summary: Assertions:	SPT-A0-12 If a cellular forensic tool completes acquisition of the target SIM without error then Last Numbers Dialed (LND) shall be presented in a	
	SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 9 12:27:41 EDT 2012	
Device:	Samsung_Focus	

Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Mon Jul 9 12:27:41 EDT 2012	
	Acquisition finished: Mon Jul 9 12:29:22 EDT 201	2
	LNDs were acquired	
	Date/Time Stamps correctly reported for LNDs	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-12 Acquisition of LNDs.	as expected
	SPT-AO-13 Acquisition of LND date/time stamps.	as expected

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

	-20 XRY v6.3.1	
Case	SPT-20 Acquire SIM memory and review reported text messages	(SMS, EMS).
Summary:		
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	of the target sented in a of the target or all text of the target
	text messages shall be presented in a useable format. SPT-AO-18 If a cellular forensic tool completes acquisition SIM without error then the corresponding sender / recipient for text messages shall be presented in a useable format.	of the target
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 9 12:30:41 EDT 2012	
Device:	Samsung_Focus	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 12:30:41 EDT 2012 Acquisition finished: Mon Jul 9 12:47:17 EDT 2012 ALL text messages (SMS, EMS) were acquired All date/time stamps were reported for text messages Correct status flags were reported for text messages Sender and Recipient phone numbers associated with text mess correctly reported	sages 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

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

412

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

Test Case SPT	-21 XRY v6.3.1	
Case Summary:	SPT-21 Acquire SIM memory and review recoverable deleted t (SMS, EMS).	text messages
Assertions:	SPT-AO-19 If the cellular forensic tool completes acquisit SIM without error then deleted text messages that have not shall be presented in a useable format.	-
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 9 12:50:42 EDT 2012	
Device:	Samsung_Focus	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 12:50:42 EDT 2012 Acquisition finished: Mon Jul 9 12:52:29 EDT 2012 Deleted text message data was recovered	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-A0-19 Acquisition of non-overwritten deleted text messages.	as expected
Analysis:	Expected results achieved	

414

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

Test Case SPI	-22 XRY v6.3.1	
Case	SPT-22 Acquire SIM memory and review reported lo	cation related data (i.e.,
Summary:	LOCI, GPRSLOCI).	
Assertions:	SPT-AO-20 If a cellular forensic tool completes 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	
Test Date:	Mon Jul 9 12:52:55 EDT 2012	
Device:	Samsung_Focus	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Mon Jul 9 12:52:55 EDT 2012	
	Acquisition finished: Mon Jul 9 12:56:15 EDT 201	2
	LOCI data was acquired	
	GPRSLOCI data was acquired	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-20 Acquisition of LOCI information.	as expected
	SPT-AO-21 Acquisition of GPRSLOCI information.	as expected

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

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

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

418

419 **5.2.94** SPT-24 (Samsung Focus)

Test Case SPT-24 XRY v6.3.1		
Case	SPT-24 Acquire mobile device internal memory and review reported data via	
Summary:	supported generated report formats.	
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format via supported generated report formats.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 9 13:02:47 EDT 2012	
Device:	Samsung_Focus	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 13:02:47 EDT 2012 Acquisition finished: Mon Jul 9 13:03:38 EDT 2012	

	Complete representation of known data via generated reports	s 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	

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

9	ODE 25 Agentics mobile device internal memory and vertice you	antal data mia
Case	SPT-25 Acquire mobile device internal memory and review reported data via	
Summary: Assertions:	the preview pane. SPT-AO-26 If a cellular forensic tool completes acquisition	of the target
11000101010	device without error then the tool shall present the acquir	
	useable format in a preview pane view.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 9 13:04:06 EDT 2012	
Device:	Samsung_Focus	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Mon Jul 9 13:04:06 EDT 2012	
	Acquisition finished: Mon Jul 9 13:06:18 EDT 2012	
	Complete representation of known data via preview pane was	successful
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-26 Comparison of known device data elements via	as expected
	preview-pane.	
Analysis:	Expected results achieved	

422

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

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

Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-25 Comparison of known device data elements via generated reports.	as expected
Analysis:	Expected results achieved	

425 **5.2.97 SPT-27 (Samsung Focus)**

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

426

427 **5.2.98 SPT-28 (Samsung Focus)**

Test Case SPT	-28 XRY v6.3.1	
Case Summary:	SPT-28 Attempt acquisition of a password-protected SIM.	
Assertions:	SPT-AO-28 If the SIM is password-protected then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 9 13:10:50 EDT 2012	
Device:	Samsung_Focus	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Mon Jul 9 13:10:50 EDT 2012	
	Acquisition finished: Mon Jul 9 13:12:37 EDT 2012	
	Ability to enter PIN on protected media before acquisit:	ion was successful
Results:		
	Assertion & Expected Result	Actual Result

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

5.2.99 SPT-29 (Samsung Focus)

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

5.2.100 SPT-30 (Samsung Focus)

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

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

Case	SPT-34 Acquire SIM memory and review data containing no	n-ASCII characters
Summary:	SFI-SF Acquire SIM memory and review data containing no	II ASCII CHAIACCEIS.
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 thei native format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 9 13:20:13 EDT 2012	
Device:	Samsung_Focus	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 13:20:13 EDT 2012 Acquisition finished: Mon Jul 9 13:24:02 EDT 2012 Non-ASCII ADNs were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-40 Acquisition of non-ASCII address book entries/ADNs.	as expected
	SPT-A0-41 Acquisition of non-ASCII text messages.	as expected
Analysis:	Expected results achieved	

434

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

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

436

5.2.103 SPT-36 (Samsung Focus)

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

5.2.104 SPT-38 (Samsung Focus)

Test Case SPT	-38 XRY v6.3.1	
Case	SPT-38 Acquire mobile device internal memory and review hash	n values for
Summary:	vendor supported data objects.	
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 9 13:36:06 EDT 2012	
Device:	Samsung_Focus	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 9 13:36:06 EDT 2012 Acquisition finished: Mon Jul 9 13:38:09 EDT 2012 Hash values were properly reported for individually acquired device data elements	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-A0-43 Acquire data, check known hash values for consistency.	as expected
Analysis:	Expected results achieved	

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

	······································	
Test Case SPT	-39 XRY v6.3.1	
Case	SPT-39 Acquire SIM memory and review hash values for vendor	supported data
Summary:	objects.	
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for	
	data objects then the tool shall present the user with a has	sh value for
	each supported data object.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 9 13:38:53 EDT 2012	
Device:	Samsung_Focus	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Mon Jul 9 13:38:53 EDT 2012	
	Acquisition finished: Mon Jul 9 13:42:42 EDT 2012	
	Hash values were properly reported for individually acquired	d SIM data
	elements	
Results:		
	Assertion & Expected Result	Actual
		Result
	SPT-AO-43 Acquire data, check known hash values for	as expected
	consistency.	
Analysis:	Expected results achieved	

443

444 5.2.106 SPT-01 (Nokia 6350)

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

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

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

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

447

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

Test Case SPT-	-03 XRY v6.3.1
Case	SPT-03 Begin mobile device internal memory acquisition and interrupt
Summary:	connectivity by interface disengagement.
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted then the tool shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 07:47:58 EDT 2012
Device:	Nokia6350
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by XRY v6.3.1

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

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

Case	SPT-04 Acquire mobile device internal memory and review report	rted 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 previo generated report.	present
Tester	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Mon Jul 2 07:51:54 EDT 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Mon Jul 2 07:51:54 EDT 2012 Acquisition finished: Mon Jul 2 07:56:51 EDT 2012	
	Readability and completeness of acquired data was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
Analysis:	Expected results achieved	

451

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

Test Case SPT-	-05 XRY v6.3.1
Case	SPT-05 Acquire mobile device internal memory and review reported subscriber
Summary:	and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).
Assertions:	SPT-CA-05 If a cellular forensic tool completes acquisition of the target device without error then subscriber-related information shall be presented in a useable format. SPT-CA-06 If a cellular forensic tool completes acquisition of the target device without error then equipment related information shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 07:57:21 EDT 2012
Device:	Nokia6350
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by XRY v6.3.1

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

454 5.2.111 SPT-06 (Nokia 6350)

Test Case SPI	2-06 XRY v6.3.1	
Case	SPT-06 Acquire mobile device internal memory and review repor	ted PIM
Summary:	related data.	
	related data. SPT-CA-07 If a cellular forensic tool completes acquisition of device without error then address book entries shall be presenuse useable format. SPT-CA-08 If a cellular forensic tool completes acquisition of device without error then maximum length address book entries presented in a useable format. SPT-CA-09 If a cellular forensic tool completes acquisition of device without error then address book entries containing specharacters shall be presented in a useable format. SPT-CA-10 If a cellular forensic tool completes acquisition of device without error then address book entries containing blad be presented in a useable format. SPT-CA-11 If a cellular forensic tool completes acquisition of 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 of device without error then graphics associated with address book shall be presented in a useable format. SPT-CA-13 If a cellular forensic tool completes acquisition of device without error then graphics associated with address book 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 shall SPT-CA-14 If a cellular forensic tool completes acquisition of device without error then maximum length datebook, calendar,	f the target nted in a f the target shall be f the target cial f the target nk names shall f the target ress book f the target ok entries f the target all be f the target
	shall be presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 2 08:00:34 EDT 2012	
Device:	Nokia6350	
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 08:00:34 EDT 2012 Acquisition finished: Mon Jul 2 08:06:58 EDT 2012 All address book entries were successfully acquired ALL PIM related data was acquired	
Results:	Assertion & Expected Result	Actual Result
	SPT-CA-07 Acquisition of address book entries.	as expected
	SPT-CA-08 Acquisition of maximum length address book entries.	as expected
	SPT-CA-09 Acquisition of address book entries containing	as expected
	special characters.	

SPT-CA-11 Acquisition of embedded email addresses within address book entries.	as expected
SPT-CA-12 Acquisition of embedded graphics within address book entries.	as expected
SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	as expected
SPT-CA-14 Acquisition of maximum length PIM data.	as expected

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

Test Case SPT	-07 XRY v6.3.1	
Case Summary:	SPT-07 Acquire mobile device internal memory and revi	1 5
Assertions:	SPT-CA-15 If a cellular forensic tool completes acqui device without error then call logs (incoming/outgoin presented in a useable format. SPT-CA-16 If a cellular forensic tool completes acqui device without error then the corresponding date/time duration of the call for call logs shall be presented	g/missed) shall be sition of the target stamps and the
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 2 08:07:56 EDT 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Mon Jul 2 08:07:56 EDT 2012	
	Acquisition finished: Mon Jul 2 08:11:57 EDT 2012	
	All Call Logs (incoming, outgoing, missed) were acqui	
	All Call Log date/time stamps data were correctly rep	orted
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	
10 2 10 10		

457

458 5.2.113 SPT-08 (Nokia 6350)

Test Case SPT	-08 XRY v6.3.1
Case	SPT-08 Acquire mobile device internal memory and review reported text
Summary:	messages.
Assertions:	SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format. SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps for text messages shall be presented in a useable format. SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy

February 2013

Test Case SP		
Test Date:	Mon Jul 2 08:12:39 EDT 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 08:12:39 EDT 2012	
	Acquisition finished: Mon Jul 2 08:15:22 EDT 2012	
	ALL text messages (SMS, EMS) were acquired	
	Correct date/time stamps were reported for all text message	s
	Correct status flags were reported for all text messages	
	COLLECT Status ITAYS WELE LEPOILED IOL AIT LEAL MESSAGES	
	Sender and Recipient phone numbers associated with text messages	sages were
		sages were
Pegulte.	Sender and Recipient phone numbers associated with text mes	sages were
Results:	Sender and Recipient phone numbers associated with text mes correctly reported	Actual
Results:	Sender and Recipient phone numbers associated with text mes	
Results:	Sender and Recipient phone numbers associated with text mes correctly reported	Actual Result
Results:	Sender and Recipient phone numbers associated with text mes correctly reported Assertion & Expected Result	Actual Result as expected
Results:	Sender and Recipient phone numbers associated with text mess correctly reported Assertion & Expected Result SPT-CA-17 Acquisition of text messages.	Actual Result as expected as expected
Results:	Sender and Recipient phone numbers associated with text mess correctly reported Assertion & Expected Result SPT-CA-17 Acquisition of text messages. SPT-CA-18 Acquisition of text message date/time stamps.	Actual
Results:	Sender and Recipient phone numbers associated with text mest correctly reported Assertion & Expected Result SPT-CA-17 Acquisition of text messages. SPT-CA-18 Acquisition of text message date/time stamps. SPT-CA-19 Acquisition of text message status flags.	Actual Result as expected as expected as expected
Results:	Sender and Recipient phone numbers associated with text mest correctly reported Assertion & Expected Result SPT-CA-17 Acquisition of text messages. SPT-CA-18 Acquisition of text message date/time stamps. SPT-CA-19 Acquisition of text message status flags. SPT-CA-20 Acquisition of sender/recipient phone number	Actual Result as expected as expected as expected
Results: Analysis:	Sender and Recipient phone numbers associated with text mest correctly reported Assertion & Expected Result SPT-CA-17 Acquisition of text messages. SPT-CA-18 Acquisition of text message date/time stamps. SPT-CA-19 Acquisition of text message status flags. SPT-CA-20 Acquisition of sender/recipient phone number	Actual Result as expected as expected as expected

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

Summary: Assertions:	SPT-09 Acquire mobile device internal memory and review re media related data (i.e., text, audio, graphics, video). SPT-CA-21 If a cellular forensic tool completes acquisitio device without error then MMS messages and associated audi presented in a useable format. SPT-CA-22 If a cellular forensic tool completes acquisitio device without error then MMS messages and associated grap be presented in a useable format. SPT-CA-23 If a cellular forensic tool completes acquisitio device without error then MMS messages and associated grap be presented in a useable format.	n of the target o shall be n of the target hic files shall n of the target
Assertions:	SPT-CA-21 If a cellular forensic tool completes acquisitio device without error then MMS messages and associated audi presented in a useable format. SPT-CA-22 If a cellular forensic tool completes acquisitio device without error then MMS messages and associated grap be presented in a useable format. SPT-CA-23 If a cellular forensic tool completes acquisitio device without error then MMS messages and associated vide	o shall be n of the target hic files shall n of the target
	device without error then MMS messages and associated audi presented in a useable format. SPT-CA-22 If a cellular forensic tool completes acquisitio device without error then MMS messages and associated grap be presented in a useable format. SPT-CA-23 If a cellular forensic tool completes acquisitio device without error then MMS messages and associated vide	o shall be n of the target hic files shall n of the target
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 2 08:16:30 EDT 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
-	Created by XRY v6.3.1	
5 5	Acquisition started: Mon Jul 2 08:16:30 EDT 2012 Acquisition finished: Mon Jul 2 08:19:06 EDT 2012 ALL MMS messages (Audio, Image, Video) were acquired	
Results:		2 - 1
	Assertion & Expected Result	Actual Result
	SPT-CA-21 Acquisition of audio MMS messages.	as expected
	SPT-CA-22 Acquisition of graphic data image MMS	as expected
	messages.	
	SPT-CA-23 Acquisition of video MMS messages.	as expected
Analysis:	Expected results achieved	

462 **5.2.115** SPT-10 (Nokia 6350)

Test Case SPI	T-10 XRY v6.3.1	
Case	SPT-10 Acquire mobile device internal memory and revi	ew reported stand-
Summary:	alone multi-media data (i.e., audio, graphics, video)	
Assertions:	SPT-CA-24 If a cellular forensic tool completes 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.	Ill be presented in a suggested third-party sition of the target shall be presented in a suggested third-party sition of the target Ill be presented in a
Tester	rpa	
Name:	ipa	
Test Host:	Morrisy	
Test Date:	Mon Jul 2 08:19:34 EDT 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 08:19:34 EDT 2012	
	Acquisition finished: Mon Jul 2 08:20:51 EDT 2012	
	ALL stand-alone data files (Audio, Image, Video) were	acquired
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-24 Acquisition of stand-alone audio files.	as expected
	SPT-CA-25 Acquisition of stand-alone graphic files.	as expected
	SPT-CA-26 Acquisition of stand-alone video files.	as expected
Analysis:	Expected results achieved	

463

464 **5.2.116 SPT-11 (Nokia 6350)**

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

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

466 5.2.117 SPT-13 (Nokia 6350)

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

467

468 5.2.118 SPT-14 (Nokia 6350)

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

	•	lesults:
ual Result	Assertion & Expected Result	
rpected	SPT-AO-01 SIM connectivity via supported interfaces.	
	-	

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

Test Case SPT	-15 XRY v6.3.1
Case Summary:	SPT-15 Attempt acquisition of a nonsupported SIM.
Assertions:	SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM then the tool shall notify the user that the SIM is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 08:34:54 EDT 2012
Device:	Nokia6350
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 08:34:54 EDT 2012 Acquisition finished: Mon Jul 2 08:36:58 EDT 2012 Identification of nonsupported media was successful
Results:	Assertion & Expected Result Actual Result SPT-A0-02 Identification of nonsupported SIMs. as expected
Analysis:	Expected results achieved

471

472 5.2.120 SPT-16 (Nokia 6350)

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

474 5.2.121 SPT-17 (Nokia 6350)

Test Case SPT-	-17 XRY v6.3.1	
Case	SPT-17 Acquire SIM memory and revi	ew reported subscriber and equipment
Summary:	related information (i.e., SPN, IC	CID, IMSI, MSISDN).
Assertions:	SIM without error then the SPN sha SPT-AO-05 If a cellular forensic to SIM without error then the ICCID sh SPT-AO-06 If a cellular forensic to SIM without error then the IMSI sha SPT-AO-07 If a cellular forensic to	ool completes acquisition of the target 11 be presented in a useable format. ool completes acquisition of the target hall be presented in a useable format. ool completes acquisition of the target all be presented in a useable format. ool completes acquisition of the target shall be presented in a useable format.
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 2 08:42:32 EDT 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Mon Jul 2 08:	
	Acquisition finished: Mon Jul 2 08	:57:07 EDT 2012
	All subscriber-related data (i.e.,	SPN, ICCID, IMSI, MSISDN) was acquired
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-04 Acquisition of SPN.	as expected
	SPT-AO-05 Acquisition of ICCID.	as expected
	SPT-AO-06 Acquisition of IMSI.	as expected
	SPT-AO-07 Acquisition of MSISDN.	as expected
Analysis:	Expected results achieved	

475

476 5.2.122 SPT-18 (Nokia 6350)

Test Case SPT	-18 XRY v6.3.1
Case	SPT-18 Acquire SIM memory and review reported Abbreviated Dialing Numbers
Summary:	(ADN).
Assertions:	SPT-A0-08 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format. SPT-A0-09 If a cellular forensic tool completes acquisition of the target SIM without error then maximum length ADNs shall be presented in a useable format. SPT-AO-10 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing special characters shall be presented in a useable format. SPT-AO-11 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing blank names shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jul 2 09:03:47 EDT 2012
Device:	Nokia6350
Source	OS: WIN XP v5.1.2600
Setup:	Interface: USB
Log	Created by XRY v6.3.1
Highlights:	Acquisition started: Mon Jul 2 09:03:47 EDT 2012
	Acquisition finished: Mon Jul 2 09:08:14 EDT 2012

	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
	bit no if negatifier of brain name fibro.	ub expected
Analysis:	Expected results achieved	

478 5.2.123 SPT-19 (Nokia 6350)

Tost Coso CDT	Test Case SPT-19 XRY v6.3.1		
Case	SPT-19 Acquire SIM memory and review reported Last Numbers Dialed (LND).		
Summary:			
Assertions:			
	SIM without error then Last Numbers Dialed (LND) shall be presented in a		
	useable format.		
	SPT-AO-13 If a cellular forensic tool completes	1 0	
	SIM without error then the corresponding date/ti	me stamps for LNDs shall be	
	presented in a useable format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Mon Jul 2 09:09:34 EDT 2012		
Device:	Nokia6350		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by XRY v6.3.1		
Highlights:	ights: Acquisition started: Mon Jul 2 09:09:34 EDT 2012		
Acquisition finished: Mon Jul 2 09:11:30 EDT 2012		2	
	LNDs were acquired		
	Date/Time Stamps correctly reported for LNDs		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-12 Acquisition of LNDs.	as expected	
	SPT-AO-13 Acquisition of LND date/time stamps.	as expected	
		<u> </u>	
Analysis:	Expected results achieved		
*			

479

480 5.2.124 SPT-20 (Nokia 6350)

Test Case SPT-20 XRY v6.3.1		
Case	SPT-20 Acquire SIM memory and review reported text messages (SMS, EMS).	
Summary:		
Assertions:	SPT-AO-14 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII SMS text messages shall be presented in a	
	useable format.	
	SPT-AO-15 If a cellular forensic tool completes acquisition of the target	
	SIM without error then ASCII EMS text messages shall be presented in a	
	useable format.	
	SPT-AO-16 If a cellular forensic tool completes acquisition of the target	
	SIM without error then the corresponding date/time stamps for all text	
	messages shall be presented in a useable format.	
	SPT-AO-17 If a cellular forensic tool completes acquisition of the target	
	SIM without error then the corresponding status (i.e., read, unread) for	
	text messages shall be presented in a useable format.	
	SPT-AO-18 If a cellular forensic tool completes acquisition of the target	

Test Case SPT	-20 XRY v6.3.1		
	SIM without error then the corresponding sender / recipient	phone numbers	
	for text messages shall be presented in a useable format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Mon Jul 2 09:12:05 EDT 2012		
Device:	Nokia6350		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Mon Jul 2 09:12:05 EDT 2012		
	Acquisition finished: Mon Jul 2 09:14:04 EDT 2012		
	ALL text messages (SMS, EMS) were acquired		
	All date/time stamps were reported for text messages		
	Correct status flags were reported for text messages		
	Sender and Recipient phone numbers associated with text messages were		
	correctly reported		
Results:			
nobulob	Assertion & Expected Result	Actual	
		Result	
	SPT-A0-14 Acquisition of SMS messages.	as expected	
	SPT-AO-15 Acquisition of EMS messages.	as expected	
	SPT-AO-16 Acquisition of text message date/time stamps.	as expected	
	SPT-AO-17 Acquisition of text message status flags.	as expected	
	SPT-AO-18 Acquisition of sender/recipient phone number	as expected	
	associated with text messages.	-	
		· · ·	
Analysis:	Expected results achieved		

482 5.2.125 SPT-21 (Nokia 6350)

Test Case SPT	-21 XRY v6.3.1	
Case Summary:	SPT-21 Acquire SIM memory and review recoverable deleted text messages (SMS, EMS).	
Assertions:	SPT-AO-19 If the cellular forensic tool completes acquisition of the target SIM without error then deleted text messages that have not been overwritten shall be presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 2 09:15:13 EDT 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 09:15:13 EDT 2012 Acquisition finished: Mon Jul 2 09:17:42 EDT 2012 Deleted text message data was recovered	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-A0-19 Acquisition of non-overwritten deleted text messages.	as expected
Analysis:	Expected results achieved	

483

484 5.2.126 SPT-22 (Nokia 6350)

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

485

486 5.2.127 SPT-23 (Nokia 6350)

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

February 2013

	Assertion & Expected Result	Actual Result
	SPT-AO-01 SIM connectivity via supported interfaces.	as expected
	SPT-AO-22 Acquire-All data objects acquisition.	as expected
	SPT-AO-23 Select-All data objects acquisition.	as expected
	SPT-AO-24 Select-Individual data objects acquisition.	as expected
Analysis:	Expected results achieved	

488 5.2.128 SPT-24 (Nokia 6350)

Test Case SPT	-24 XRY v6.3.1	
Case	SPT-24 Acquire mobile device internal memory and review reported data via	
Summary:	supported generated report formats.	
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the target device without error then the tool shall present the acquired data in a useable format via supported generated report formats.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 2 10:03:36 EDT 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 10:03:36 EDT 2012 Acquisition finished: Mon Jul 2 10:06:07 EDT 2012 Complete representation of known data via generated reports was succe	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-A0-25 Comparison of known device data elements via generated reports.	as expected
Analysis:	Expected results achieved	

489

490 5.2.129 SPT-25 (Nokia 6350)

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

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

492 **5.2.130** SPT-26 (Nokia 6350)

Test Case SPT	-26 XRY v6.3.1	
Case	SPT-26 Acquire SIM memory and review reported data via supported generated	
Summary:	report formats.	
Assertions:	SPT-AO-25 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable format via supported generated report formats.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 2 10:07:31 EDT 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 .ghts: Acquisition started: Mon Jul 2 10:07:31 EDT 2012 Acquisition finished: Mon Jul 2 10:12:52 EDT 2012 Complete representation of known data via generated reports was a	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-A0-25 Comparison of known device data elements via generated reports.	as expected
Analysis:	Expected results achieved	

493

494 5.2.131 SPT-27 (Nokia 6350)

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

	SPT-AO-26 Comparison of known device data elements via preview-pane.	as expected
Analysis:	Expected results achieved	

496 **5.2.132** SPT-28 (Nokia 6350)

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

497

495

498 5.2.133 SPT-29 (Nokia 6350)

Test Case SPT	-29 XRY v6.3.1		
Case	SPT-29 After a successful mobile device internal memory, alter the case		
Summary:	file via third-party means and attempt to re-open the case.		
Assertions:	SPT-A0-27 If the case file or individual data objects are modified via		
	third-party means then the tool shall provide protection	on mechanisms	
	disallowing or reporting data modification.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Mon Jul 2 10:19:18 EDT 2012		
Device:	Nokia6350		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Mon Jul 2 10:19:18 EDT 2012		
	Acquisition finished: Mon Jul 2 10:21:57 EDT 2012		
	Notification of modified device memory data was success	sful	
-			
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-27 Notification of modified device case data.	as expected	
Analysis:	Expected results achieved		

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

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

501

502 5.2.135 SPT-33 (Nokia 6350)

Test Case SDT.	-33 XRY v6.3.1	
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 in
	their native format.	
	SPT-AO-41 If the cellular forensic tool supports proper dis	
	ASCII characters then the application should present text m	essages in their
	native format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 2 10:26:20 EDT 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Mon Jul 2 10:26:20 EDT 2012	
	Acquisition finished: Mon Jul 2 10:27:56 EDT 2012	
	Non-ASCII Address book entries were acquired and properly d	isplayed
	Non-ASCII text messages were acquired and properly displaye	d
Results:		
	Assertion & Expected Result	Actual
		Result
	SPT-AO-40 Acquisition of non-ASCII address book	as expected
	entries/ADNs.	
	SPT-AO-41 Acquisition of non-ASCII text messages.	as expected
		T T T T T T T T T T T T T T T T T T T
Analysis:	Expected results achieved	

504 5.2.136 SPT-34 (Nokia 6350)

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

505

506 5.2.137 SPT-35 (Nokia 6350)

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

508 5.2.138 SPT-36 (Nokia 6350)

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

509

510 5.2.139 SPT-38 (Nokia 6350)

Test Case SPT	-38 XRY v6.3.1	
Case	SPT-38 Acquire mobile device internal memory and review hash values for	
Summary:	vendor supported data objects.	
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 2 10:38:11 EDT 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 10:38:11 EDT 2012 Acquisition finished: Mon Jul 2 10:39:31 EDT 2012 Hash values were properly reported for individually acquired device data elements	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-A0-43 Acquire data, check known hash values for consistency.	as expected
Analysis:	Expected results achieved	

513 5.2.140 SPT-39 (Nokia 6350)

Case	-39 XRY v6.3.1	auronautad data
	SPT-39 Acquire SIM memory and review hash values for vendor supported data	
Summary: Assertions:	objects. SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 2 10:40:53 EDT 2012	
Device:	Nokia6350	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 10:40:53 EDT 2012 Acquisition finished: Mon Jul 2 10:42:54 EDT 2012 Hash values were properly reported for individually acquired SIM data elements	
Results:	Assertion & Expected Result	Actual Result
	SPT-A0-43 Acquire data, check known hash values for consistency.	as expected
Analysis:	Expected results achieved	

514

515 5.2.141 SPT-01 (Motorola Tundra)

Test Case SP1	C-01 XRY v6.3.1	
Case	SPT-01 Acquire mobile device internal memory over tool-supported interfaces	
Summary:	(e.g., cable, Bluetooth, IrDA).	
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for connectivity of the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA). SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report. SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a "Select All" individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object sithout error. SPT-CA-32 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jul 2 13:08:58 EDT 2012	
Device:	Moto Tundra	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Mon Jul 2 13:08:58 EDT 2012 Acquisition finished: Mon Jul 2 14:36:51 EDT 2012	

-	Device Connectivity was not established via supported interf	ace
Results:	Assertion & Expected Result	Actual Result
	SPT-CA-01 Device connectivity via supported interfaces.	Not as expected
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	NA
	SPT-CA-29 Acquire-All data objects acquisition.	NA
	SPT-CA-30 Select-All data objects acquisition.	NA
	SPT-CA-31 Select-Individual data objects acquisition.	NA
	SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.	NA

517 5.2.142 SPT-14 (Motorola Tundra)

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

518

519 5.2.143 SPT-15 (Motorola Tundra)

Test Case SPT	Test Case SPT-15 XRY v6.3.1	
Case	SPT-15 Attempt acquisition of a nonsupported SIM.	
Summary:		
Assertions:	SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM then the tool shall notify the user that the SIM is not supported.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jul 3 08:09:19 EDT 2012	
Device:	Moto_Tundra	

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

521 5.2.144 SPT-16 (Motorola Tundra)

Test Case SPT	-16 XRY v6.3.1	
Case	SPT-16 Begin SIM acquisition and interrupt connectivity by interface	
Summary:	disengagement.	
Assertions:	SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader then the tool shall notify the user that connectivity has been disrupted.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jul 3 08:13:32 EDT 2012	
Device:	Moto_Tundra	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jul 3 08:13:32 EDT 2012	
	Acquisition finished: Tue Jul 3 08:14:12 EDT 2012	
	Media acquisition disruption notification was not successful	
Results:		
	Assertion & Expected Result Actual Result	
	SPT-A0-03 Notification of SIM acquisition disruption. Not as expected	
Analysis:	Expected results not achieved	

522

523 5.2.145 SPT-17 (Motorola Tundra)

Test Case SPT-	17 XRY v6.3.1	
Case	SPT-17 Acquire SIM memory and review reported subscriber and equipment	
Summary:	related information (i.e., SPN, ICCID, IMSI, MSISDN).	
Assertions:	SPT-AO-04 If a cellular forensic tool completes acquisition of the target SIM without error then the SPN shall be presented in a useable format. SPT-AO-05 If a cellular forensic tool completes acquisition of the target SIM without error then the ICCID shall be presented in a useable format. SPT-AO-06 If a cellular forensic tool completes acquisition of the target SIM without error then the IMSI shall be presented in a useable format. SPT-AO-07 If a cellular forensic tool completes acquisition of the target SIM without error then the MSISDN shall be presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jul 3 08:19:55 EDT 2012	
Device:	Moto_Tundra	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	

Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 08:19:55 EDT 2012 Acquisition finished: Tue Jul 3 08:30:46 EDT 2012 All subscriber-related data (i.e., SPN, ICCID, IMSI, MSISDN) was acquired	
Results:	Assertion & Expected Result	Actual Result
	SPT-AO-04 Acquisition of SPN. SPT-AO-05 Acquisition of ICCID. SPT-AO-06 Acquisition of IMSI. SPT-AO-07 Acquisition of MSISDN.	as expected as expected as expected
Analysis:	Expected results achieved	

525 5.2.146 SPT-18 (Motorola Tundra)

Test Case SPT	-18 XRY v6.3.1	
Case	SPT-18 Acquire SIM memory and review reported Abbr	reviated Dialing Numbers
Summary:	(ADN).	
Summary: Assertions:	(ADN). 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 k 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.	Tumbers (ADN) shall be equisition of the target performed in a useable equisition of the SIM eers shall be presented a equisition of the SIM
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jul 3 08:31:40 EDT 2012	
Device:	Moto_Tundra	
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 08:31:40 EDT 2012 Acquisition finished: Tue Jul 3 08:34:46 EDT 2012 All ADNs were acquired	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-08 Acquisition of ADNs.	as expected
	SPT-AO-09 Acquisition of maximum length ADNs.	as expected
	SPT-AO-10 Acquisition of special character ADNs.	as expected
	SPT-AO-11 Acquisition of blank name ADNs.	as expected
Analysis:	Expected results achieved	
AHALYSIS.	Expected results achieved	

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529 **5.2.147** SPT-19 (Motorola Tundra)

Test Case SPT-19 XRY v6.3.1

Test Case SPT	-19 XRY v6.3.1	
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:	Tue Jul 3 08:35:36 EDT 2012	
Device:	Moto_Tundra	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jul 3 08:35:36 EDT 2012 Acquisition finished: Tue Jul 3 08:37:32 EDT 201	
	LNDs were acquired	
	Date/Time Stamps correctly reported for LNDs	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-12 Acquisition of LNDs.	as expected
	SPT-AO-13 Acquisition of LND date/time stamps.	as expected
Analysis:	Expected results achieved	

531 5.2.148 SPT-20 (Motorola Tundra)

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

	correctly reported	
Results:	Assertion & Expected Result	Actual Result
	SPT-AO-14 Acquisition of SMS messages.	as expected
	SPT-AO-15 Acquisition of EMS messages.	as expected
	SPT-AO-16 Acquisition of text message date/time stamps.	as expected
	SPT-AO-17 Acquisition of text message status flags.	as expected
	SPT-A0-18 Acquisition of sender/recipient phone number associated with text messages.	as expected
Analysis:	Expected results achieved	

533 5.2.149 SPT-21 (Motorola Tundra)

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

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535 5.2.150 SPT-22 (Motorola Tundra)

Test Case SPT	-22 XRY v6.3.1
Case	SPT-22 Acquire SIM memory and review reported location related data (i.e.,
Summary:	LOCI, GPRSLOCI).
Assertions:	SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., LOCI) shall be presented in a useable format. SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., GRPSLOCI) shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 3 08:46:49 EDT 2012
Device:	Moto_Tundra
Source	OS: WIN XP v5.1.2600
Setup:	Interface: USB

Test Case SP	F-22 XRY v6.3.1	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jul 3 08:46:49 EDT 2012	
	Acquisition finished: Tue Jul 3 09:21:03 EDT 201	2
	LOCI data was acquired	
	GPRSLOCI data was acquired	
Results:		
	Assertion & Expected Result	Actual Result
	Assertion & Expected Result SPT-AO-20 Acquisition of LOCI information.	Actual Result as expected
	SPT-AO-20 Acquisition of LOCI information.	as expected
	SPT-AO-20 Acquisition of LOCI information.	as expected

537 5.2.151 SPT-23 (Motorola Tundra)

Test Case SPI	-23 XRY v6.3.1		
Case	SPT-23 Acquire SIM memory by selecting a combination of supported data		
Summary:	elements.		
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself). SPT-AO-22 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-AO-23 If a cellular forensic tool provides the user with an "Select All" individual SIM data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-AO-24 If a cellular forensic tool provides the user with the ability t "Select Individual" SIM data objects for acquisition then the tool shall acquire each exclusive data object without error.		
Tester	rpa		
Name:			
Test Host:	Morrisy		
Test Date:	Tue Jul 3 09:22:19 EDT 2012		
Device:	Moto_Tundra		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Loq	Created by XRY v6.3.1		
Highlights:	Acquisition started: Tue Jul 3 09:22:19 EDT 2012		
	Acquisition finished: Tue Jul 3 09:24:21 EDT 2012		
	Acquire All acquisition was successful		
Results:			
RESUILS.	Assertion & Expected Result	Actual Result	
	-		
	SPT-AO-01 SIM connectivity via supported interfaces.	as expected	
	SPT-AO-22 Acquire-All data objects acquisition.	as expected	
	SPT-AO-23 Select-All data objects acquisition.	as expected	
	SPT-AO-24 Select-Individual data objects acquisition.	as expected	
Analysis:	Expected results achieved		
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540 5.2.152 SPT-26 (Motorola Tundra)

 Test Case SPT-26 XRY v6.3.1

 Case
 SPT-26 Acquire SIM memory and review reported data via supported generated

Summary:	report formats.	
Assertions:	SPT-A0-25 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable format via supported generated report formats.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jul 3 09:24:53 EDT 2012	
Device:	Moto_Tundra	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 09:24:53 EDT 2012 Acquisition finished: Tue Jul 3 09:33:16 EDT 2012 Complete representation of known data via generated reports	s 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	

542 5.2.153 SPT-27 (Motorola Tundra)

Test Case SPT	-27 XRY v6.3.1	
Case Summary:	SPT-27 Acquire SIM memory and review reported data via the p	review-pane.
Assertions:	SPT-AO-26 If a cellular forensic tool completes acquisition of the SIM without error then the tool shall present the acquired data in a useable format in a preview pane view.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jul 3 09:33:42 EDT 2012	
Device:	Moto_Tundra	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 09:33:42 EDT 2012 Acquisition finished: Tue Jul 3 09:38:34 EDT 2012 Complete representation of known data via preview pane was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-26 Comparison of known device data elements via preview-pane.	as expected
Analysis:	Expected results achieved	
Anarysts.	Expected results deficience	

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545 5.2.154 SPT-28 (Motorola Tundra)

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

Test Case SPT	-28 XRY v6.3.1
Assertions:	SPT-A0-28 If the SIM is password-protected then the cellular forensic tool shall provide the examiner with the opportunity to input the PIN before acquisition.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jul 3 09:39:22 EDT 2012
Device:	Moto_Tundra
Source	OS: WIN XP v5.1.2600
Setup:	Interface: USB
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 09:39:22 EDT 2012 Acquisition finished: Tue Jul 3 09:44:56 EDT 2012 Ability to enter PIN on protected media before acquisition was successful
Results:	Assertion & Expected ResultActual ResultSPT-AO-28 Acquisition of password protected SIM.as expected
Analysis:	Expected results achieved

547 5.2.155 SPT-30 (Motorola Tundra)

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

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

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

Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jul 3 09:49:17 EDT 2012	
Device:	Moto_Tundra	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jul 3 09:49:17 EDT 2012	
	Acquisition finished: Tue Jul 3 09:51:24 EDT 2012	
	Non-ASCII ADNS were acquired and properly displayed	
	Non-ASCII ADNs were acquired and properly displayed Non-ASCII text messages were acquired and properly disp	played
Results:	Non-ASCII text messages were acquired and properly disp	
Results:		Actual Result
Results:	Non-ASCII text messages were acquired and properly disp Assertion & Expected Result SPT-AO-40 Acquisition of non-ASCII address book	Actual
Results:	Non-ASCII text messages were acquired and properly disp Assertion & Expected Result	Actual Result
Results:	Non-ASCII text messages were acquired and properly disp Assertion & Expected Result SPT-AO-40 Acquisition of non-ASCII address book entries/ADNs.	Actual Result as expected

551 5.2.157 SPT-35 (Motorola Tundra)

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

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553 5.2.158 SPT-36 (Motorola Tundra)

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

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

555 5.2.159 SPT-39 (Motorola Tundra)

	-39 XRY v6.3.1	
Case	SPT-39 Acquire SIM memory and review hash values for vendor supported data	
Summary:	objects.	
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jul 3 09:58:28 EDT 2012	
Device:	Moto_Tundra	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jul 3 09:58:28 EDT 2012 Acquisition finished: Mon Jul 9 06:58:01 EDT 2012 Hash values were properly reported for individually acquired SIM data elements	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-A0-43 Acquire data, check known hash values for consistency.	as expected
Analysis:	Expected results achieved	

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557 5.2.160 SPT-01 (HTC Tilt2)

Test Case SPT	-01 XRY v6.3.1
Case	SPT-01 Acquire mobile device internal memory over tool-supported interfaces
Summary:	(e.g., cable, Bluetooth, IrDA).
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for connectivity of
	the target device then the tool shall successfully recognize the target
	device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).
	SPT-CA-04 If a cellular forensic tool completes acquisition of the target
	device without error then the tool shall have the ability to present
	acquired data objects in a useable format via either a preview pane or
	generated report.
	SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire

Test Case SPT	-01 XRY v6.3.1	
	All" device data objects acquisition option then the tool shall the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a individual device data objects then the tool shall complete th of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with t "Select Individual" device data objects for acquisition then the acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive acquisitions of the target device without error then the paylo objects) on the mobile device shall remain consistent.	a "Select All" he acquisition the ability to the tool shall ve logical
Tester	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Thu Jun 28 07:55:49 EDT 2012	
Device:	HTC Tilt2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 28 07:55:49 EDT 2012 Acquisition finished: Thu Jun 28 08:14:12 EDT 2012 Device connectivity was established via supported interface	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-01 Device connectivity via supported interfaces.	as expected
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
	SPT-CA-29 Acquire-All data objects acquisition.	as expected
	SPT-CA-30 Select-All data objects acquisition.	as expected
	SPT-CA-31 Select-Individual data objects acquisition.	as expected
	SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.	as expected
	Expected results achieved	

559 5.2.161 SPT-02 (HTC Tilt2)

Test Case SPT	-02 XRY v6.3.1	
Case Summary:	SPT-02 Attempt internal memory acquisition of a non	supported mobile device.
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device then the tool shall notify the user that the device is not supported.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Thu Jun 28 08:16:57 EDT 2012	
Device:	unsupported_device	
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 28 08:16:57 EDT 2012 Acquisition finished: Thu Jun 28 08:36:36 EDT 2012 Identification of nonsupported devices was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-02 Identification of nonsupported devices.	as expected

Analysis: Expected results achieved	

561 5.2.162 SPT-03 (HTC Tilt2)

Toot Caco SDT.	-03 XRY v6.3.1	
Case	SPT-03 Begin mobile device internal memory acquisition and	interrupt
Summary:	connectivity by interface disengagement.	
Assertions:	SPT-CA-03 If connectivity between the mobile device and ce	llular forensic
	tool is disrupted then the tool shall notify the user that	connectivity has
	been disrupted.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Thu Jun 28 10:18:07 EDT 2012	
Device:	HTC_Tilt2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
-		
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Thu Jun 28 10:18:07 EDT 2012	
5 5	Acquisition finished: Thu Jun 28 12:17:32 EDT 2012	
	Device acquisition disruption notification was successful	
	bevies asquibition alpraporten noorrisation wab basesbirar	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-03 Notification of device acquisition disruption.	as expected
Analysis:	Expected results achieved	
marysts.	Expected reputeb denicited	

562

563 5.2.163 SPT-04 (HTC Tilt2)

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:	Thu Jun 28 12:17:55 EDT 2012		
Device:	HTC_Tilt2		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Thu Jun 28 12:17:55 EDT 2012		
	Acquisition finished: Thu Jun 28 12:24:22 EDT 2012		
	Readability and completeness of acquired data was successful		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected	

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

565 5.2.164 SPT-05 (HTC Tilt2)

Test Case SPT	-05 XRY v6.3.1		
Case 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:	Thu Jun 28 12:24:45 EDT 2012		
Device:	HTC_Tilt2		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 28 12:24:45 EDT 2012 Acquisition finished: Thu Jun 28 12:44:08 EDT 2012 IMEI, MEID/ESN were acquired		
Results:			
	Assertion & Expected Result Actual Result		
	SPT-CA-05 Acquisition of MSISDN, IMSI.	as expected	
	SPT-CA-06 Acquisition of IMEI/MEID/ESN. as expected		
Analysis:	Expected results achieved		

566

567 5.2.165 SPT-06 (HTC Tilt2)

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

Test Case SPT	-06 XRY v6.3.1	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Thu Jun 28 12:44:30 EDT 2012	
Device:	HTC_Tilt2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 28 12:44:30 EDT 2012 Acquisition finished: Thu Jun 28 12:59:08 EDT 2012	
	All address book entries were successfully acquired ALL PIM related data was acquired	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-07 Acquisition of address book entries.	as expected
	SPT-CA-08 Acquisition of maximum length address book entries.	as expected
	SPT-CA-09 Acquisition of address book entries containing special characters.	as expected
	SPT-CA-10 Acquisition of address book entries containing a blank name entry.	as expected
	SPT-CA-11 Acquisition of embedded email addresses within address book entries.	as expected
	SPT-CA-12 Acquisition of embedded graphics within address book entries.	as expected
	SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	as expected
	SPT-CA-14 Acquisition of maximum length PIM data.	as expected
Analysis:	Expected results achieved	

569 5.2.166 SPT-07 (HTC Tilt2)

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

Test Case SPT-07 XRY v6.3.1

570

Expected results achieved Analysis:

5.2.167 SPT-08 (HTC Tilt2) 571

Test Case SPT	-08 XRY v6.3.1	
Case	SPT-08 Acquire mobile device internal memory and review reported text	
Summary:	messages.	
Assertions:		
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Thu Jun 28 13:04:18 EDT 2012	
Device:	HTC Tilt2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 28 13:04:18 EDT 2012 Acquisition finished: Thu Jun 28 13:16:21 EDT 2012 ALL text messages (SMS, EMS) were acquired Correct date/time stamps were reported for all text messages Correct status flags were reported for all text messages Sender and Recipient phone numbers associated with text messa 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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572

5.2.168 SPT-09 (HTC Tilt2) 573

Test Case SPT-09 XRY v6.3.1		
Case	SPT-09 Acquire mobile device internal memory and review reported MMS multi-	
Summary:	media related data (i.e., text, audio, graphics, video).	
Assertions:	SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated audio shall be presented in a useable format. SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated graphic files shall be presented in a useable format. SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated yide 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:	Thu Jun 28 13:16:51 EDT 2012	
Device:	HTC_Tilt2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Thu Jun 28 13:16:51 EDT 2012	
	Acquisition finished: Thu Jun 28 13:21:33 EDT 2012	
Results:	ALL MMS messages (Audio, Image, Video) were acquired	
Results:	ALL MMS messages (Audio, Image, Video) were acquired Assertion & Expected Result	Actual Result
Results:		
Results:	Assertion & Expected Result	Result
Results:	Assertion & Expected Result SPT-CA-21 Acquisition of audio MMS messages. SPT-CA-22 Acquisition of graphic data image MMS	Result as expected
Results:	Assertion & Expected Result SPT-CA-21 Acquisition of audio MMS messages. SPT-CA-22 Acquisition of graphic data image MMS messages.	Result as expected as expected

575 5.2.169 SPT-10 (HTC Tilt2)

Test Case SPT	-10 XRY v6.3.1	
Case	SPT-10 Acquire mobile device internal memory and 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 si 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.	<pre>11 be presented in a suggested third-party sition of the target hall be presented in a suggested third-party sition of the target 11 be presented in a</pre>
Tester	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Thu Jun 28 13:22:52 EDT 2012	
Device:	HTC_Tilt2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Thu Jun 28 13:22:52 EDT 2012	
	Acquisition finished: Thu Jun 28 13:40:00 EDT 2012	
	ALL stand-alone data files (Audio, Image, Video) were	acquired
Results:		
	Assertion & Expected Result Actual Result	
	SPT-CA-24 Acquisition of stand-alone audio files. as expected	
	SPT-CA-25 Acquisition of stand-alone graphic files.	as expected
	SPT-CA-26 Acquisition of stand-alone video files.	as expected
Analysis:	Expected results achieved	
-	-	

577 5.2.170 SPT-11 (HTC Tilt2)

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

578

579 5.2.171 SPT-12 (HTC Tilt2)

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

580

581 5.2.172 SPT-13 (HTC Tilt2)

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

Test Case SPT	-13 XRY v6.3.1		
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user All" device data objects acquisition option then the to the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user All" individual device data objects then the tool shall acquisition of all individually selected data objects w SPT-CA-31 If a cellular forensic tool provides the user "Select Individual" device data objects for acquisition acquire each exclusive data object without error.	ol shall complete with an "Select complete the ithout error. with the ability to	
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Thu Jun 28 13:51:19 EDT 2012		
Device:	HTC_Tilt2		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log Highlights:	5		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-29 Acquire-All data objects acquisition.	as expected	
	SPT-CA-30 Select-All data objects acquisition.	as expected	
	SPT-CA-31 Select-Individual data objects acquisition.	as expected	
Analysis:	Expected results achieved		

583 5.2.173 SPT-14 (HTC Tilt2)

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

584 5.2.174 SPT-15 (HTC Tilt2)

Test Case SPT-15 XRY v6.3.1

Test Case SPT-15 XRY v6.3.1			
Case	SPT-15 Attempt acquisition of a nonsupported SIM.		
Summary:			
Assertions:	SPT-AO-02 If a cellular forensic tool attempts to connect to a nonsupported SIM then the tool shall notify the user that the SIM is not supported.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Fri Jun 29 07:50:46 EDT 2012		
Device:	HTC_Tilt2		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Fri Jun 29 07:50:46 EDT 2012		
	Acquisition finished: Fri Jun 29 07:51:09 EDT 2012		
	Identification of nonsupported media was successful		
Results:	ults:		
	Assertion & Expected Result Actual Result		
	SPT-AO-02 Identification of nonsupported SIMs. as expected		
Analysis:	Expected results achieved		

586 5.2.175 SPT-16 (HTC Tilt2)

Test Case SPT	-16 XRY v6.3.1		
Case	SPT-16 Begin SIM acquisition and interrupt connectivity by interface		
Summary:	disengagement.		
Assertions:	SPT-AO-03 If a cellular forensic tool loses connectivity with the SIM reader then the tool shall notify the user that connectivity has been disrupted.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Fri Jun 29 07:46:38 EDT 2012		
Device:	HTC_Tilt2		
Source OS: WIN XP v5.1.2600			
Setup:	Interface: USB		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Fri Jun 29 07:46:38 EDT 2012		
	Acquisition finished: Fri Jun 29 07:47:01 EDT 2012		
Media acquisition disruption notification was not successful		ssful	
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-03 Notification of SIM acquisition disruption.	Not as expected	
Analysis:	Expected results not achieved		
Analysis.	Expected results not achieved		

587

588 5.2.176 SPT-17 (HTC Tilt2)

Test Case SPT-17 XRY v6.3.1		
Case	SPT-17 Acquire SIM memory and review reported subscriber and equipment	
Summary:	related information (i.e., SPN, ICCID, IMSI, MSISDN).	
Assertions:	SPT-AO-04 If a cellular forensic tool completes acquisition of the target	
	SIM without error then the SPN shall be presented in a useable format.	
	SPT-A0-05 If a cellular forensic tool completes acquisition of the target	
	SIM without error then the ICCID shall be presented in a useable format.	
	SPT-A0-06 If a cellular forensic tool completes acquisition of the target	

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

590 5.2.177 SPT-18 (HTC Tilt2)

Test Case SPT-18 XRY v6.3.1			
Case	SPT-18 Acquire SIM memory and review reported Abbreviated Dialing Numbers		
Summary:	(ADN).		
Assertions:	SPT-A0-08 If a cellular forensic tool completes acquisition of the target SIM without error then ASCII Abbreviated Dialing Numbers (ADN) shall be presented in a useable format. SPT-A0-09 If a cellular forensic tool completes acquisition of the target SIM without error then maximum length ADNs shall be presented in a useable format. SPT-A0-10 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing special characters shall be presented in a useable format. SPT-A0-11 If a cellular forensic tool completes acquisition of the SIM without error then ADNs containing blank names shall be presented in a useable format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Fri Jun 29 08:36:53 EDT 2012		
Device:	HTC Tilt2		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 08:36:53 EDT 2012		
	Acquisition finished: Fri Jun 29 08:55:54 EDT 2012		
	All ADNs were acquired		
Results:	alts:		
	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	

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

592 5.2.178 SPT-19 (HTC Tilt2)

Test Case SPT	-19 XRY v6.3.1		
Case Summary:	SPT-19 Acquire SIM memory and review reported Last Numbers Dialed (LND).		
Assertions:	SPT-AO-12 If a cellular forensic tool completes acquisition of the target SIM without error then Last Numbers Dialed (LND) shall be presented in a useable format. SPT-AO-13 If a cellular forensic tool completes acquisition of the target SIM without error then the corresponding date/time stamps for LNDs shall be presented in a useable format.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Fri Jun 29 08:56:31 EDT 2012		
Device:	HTC_Tilt2		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: USB		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Fri Jun 29 08:56:31 EDT 201	2	
	Acquisition finished: Fri Jun 29 08:57:00 EDT 2012		
	LNDs were acquired		
	Date/Time Stamps correctly reported for LNDs		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-12 Acquisition of LNDs.	as expected	
	SPT-AO-13 Acquisition of LND date/time stamps. as expected		
Analysis:	Expected results achieved		

593

594 5.2.179 SPT-20 (HTC Tilt2)

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

Test Case SPT-20 XRY v6.3.1		
Highlights: Acquisition started: Fri Jun 29 08:57:27 EDT 2012 Acquisition finished: Fri Jun 29 08:58:43 EDT 2012 ALL text messages (SMS, EMS) were acquired All date/time stamps were reported for text messages Correct status flags were reported for text messages Sender and Recipient phone numbers associated with text messages were correctly reported		sages were
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-14 Acquisition of SMS messages.	as expected
	SPT-AO-15 Acquisition of EMS messages.	as expected
	SPT-AO-16 Acquisition of text message date/time stamps.	as expected
	SPT-AO-17 Acquisition of text message status flags.	as expected
	SPT-A0-18 Acquisition of sender/recipient phone number associated with text messages.	as expected
Analysis:	Expected results achieved	

596 5.2.180 SPT-21 (HTC Tilt2)

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

597

598 5.2.181 SPT-22 (HTC Tilt2)

Test Case SPT-22 XRY v6.3.1	
Case	SPT-22 Acquire SIM memory and review reported location related data (i.e.,
Summary:	LOCI, GPRSLOCI).
Assertions:	SPT-AO-20 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., LOCI) shall be presented in a useable format. SPT-AO-21 If a cellular forensic tool completes acquisition of the target SIM without error then location related data (i.e., GRPSLOCI) shall be presented in a useable format.

Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 29 09:01:48 EDT 2012	
Device:	HTC_Tilt2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Fri Jun 29 09:01:48 EDT 201	.2
	Acquisition finished: Fri Jun 29 09:02:47 EDT 20	12
	LOCI data was acquired	
	LOCI data was acquired GPRSLOCI data was acquired	
Results:	-	
Results:	-	Actual Result
Results:	GPRSLOCI data was acquired	Actual Result as expected
Results:	GPRSLOCI data was acquired Assertion & Expected Result	
Results:	GPRSLOCI data was acquired Assertion & Expected Result SPT-A0-20 Acquisition of LOCI information.	as expected

600 5.2.182 SPT-23 (HTC Tilt2)

Test Case SPI	T-23 XRY v6.3.1	
Case	SPT-23 Acquire SIM memory by selecting a combination of	supported data
Summary:	elements.	
Assertions:	SPT-AO-01 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all tool-supported interfaces (e.g., PC/SC reader, proprietary reader, smart phone itself). SPT-AO-22 If a cellular forensic tool provides the user with an "Acquire All" SIM data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-AO-23 If a cellular forensic tool provides the user with an "Select All" individual SIM data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-AO-24 If a cellular forensic tool provides the user with the ability to "Select Individual" SIM data objects for acquisition then the tool shall acquire each exclusive data object without error.	
Tester	rpa	
Name:	- Far	
Test Host:	Morrisy	
Test Date:	Fri Jun 29 09:03:13 EDT 2012	
Device:	HTC_Tilt2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 09:03:13 EDT 2012	
inginingines.	Acquisition finished: Fri Jun 29 09:06:06 EDT 2012	
	Acquire All acquisition was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-01 SIM connectivity via supported interfaces.	as expected
	SPT-AO-22 Acquire-All data objects acquisition.	as expected
	SPT-AO-23 Select-All data objects acquisition.	as expected
	SPT-AO-24 Select-Individual data objects acquisition.	as expected
Analysis:	Expected results achieved	
лиатуртр.	Expected reputts achieved	

602 5.2.183 SPT-24 (HTC Tilt2)

Test Case SPT	-24 XRY v6.3.1	
Case	SPT-24 Acquire mobile device internal memory and review 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:	Thu Jun 28 14:00:02 EDT 2012	
Device:	HTC_Tilt2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Thu Jun 28 14:00:02 EDT 2012	
	Acquisition finished: Thu Jun 28 14:02:22 EDT 2012	
	Complete representation of known data via generated reports	was successful
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-25 Comparison of known device data elements via	as expected
	generated reports.	
Analysis:	Expected results achieved	

603

604 5.2.184 SPT-25 (HTC Tilt2)

Test Case SPT	-25 XRY v6.3.1	
Case	SPT-25 Acquire mobile device internal memory and review 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:	Thu Jun 28 14:02:53 EDT 2012	
Device:	HTC_Tilt2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 28 14:02:53 EDT 2012 Acquisition finished: Thu Jun 28 14:07:25 EDT 2012 Complete representation of known data via preview pane was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-26 Comparison of known device data elements via preview-pane.	as expected
Analysis:	Expected results achieved	

605

606 5.2.185 SPT-26 (HTC Tilt2)

Test Case SPT-26 XRY v6.3.1

Case SPT-26 Acquire SIM memory and review reported data via supported generated

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

608 5.2.186 SPT-27 (HTC Tilt2)

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

609

610

611 5.2.187 SPT-28 (HTC Tilt2)

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

Assertions:	ODE AO 20 If the OTM is received exchanted there the sel	lulan fanamaia taa
Assertions.	SPT-AO-28 If the SIM is password-protected then the cel	
	shall provide the examiner with the opportunity to inpu	t the PIN before
	acquisition.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 29 09:08:32 EDT 2012	
Device:	HTC_Tilt2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Loq	Created by XRY v6.3.1	
Highlights:	Acquisition started: Fri Jun 29 09:08:32 EDT 2012	
1129112291100	Acquisition finished: Fri Jun 29 09:32:11 EDT 2012	
	Ability to enter PIN on protected media before acquisit	ion was successful
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-28 Acquisition of password word protected SIM.	as expected
Analysis:	Expected results achieved	

613 5.2.188 SPT-29 (HTC Tilt2)

	-29 XRY v6.3.1	2
Case	SPT-29 After a successful mobile device internal memory	. ,
Summary:	file via third-party means and attempt to re-open the	
Assertions:	SPT-AO-27 If the case file or individual data objects a	
	third-party means then the tool shall provide protection	on mechanisms
	disallowing or reporting data modification.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Thu Jun 28 14:09:06 EDT 2012	
Device:	HTC_Tilt2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Thu Jun 28 14:09:06 EDT 2012	
	Acquisition finished: Thu Jun 28 14:10:04 EDT 2012	
	Notification of modified device memory data was success	sful
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-27 Notification of modified device case data.	as expected
Analysis:	Expected results achieved	

614

615 5.2.189 SPT-30 (HTC Tilt2)

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

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

617 5.2.190 SPT-31 (HTC Tilt2)

Test Case CDT	-31 XRY v6.3.1	
		+ F
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	-
	the target device then the tool shall complete the acquisit	ion without
	error.	
Tester Name:		
	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 29 07:30:44 EDT 2012	
Device:	HTC_Tilt2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Fri Jun 29 07:30:44 EDT 2012	
	Acquisition finished: Fri Jun 29 07:31:16 EDT 2012	
	Physical Acquisition: readability and completeness was succ	essful
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-31 Physical acquisition, data is presented in a useable format.	as expected
Analysis:	Expected results achieved	

618

619 5.2.191 SPT-32 (HTC Tilt2)

Test Case SPT-32 XRY v6.3.1	
Case	SPT-32 Perform a physical acquisition and review reports for recoverable
Summary:	deleted data.
Assertions: SPT-AO-32 If the cellular forensic tool supports the interpretation of address book entries present on the target device then the tool shall report recoverable active and deleted data or address book data remna 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	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.

Test Case SPI	2-32 XRY v6.3.1	
	SPT-A0-35 If the cellular forensic tool supports the interpret messages present on the target device then the tool shall rep recoverable active and deleted SMS messages or SMS message da a useable format. SPT-A0-36 If the cellular forensic tool supports the interpret messages present on the target device then the tool shall rep recoverable active and deleted EMS messages or EMS message da a useable format. SPT-A0-37 If the cellular forensic tool supports the interpret audio files present on the target device then the tool shall recoverable active and deleted audio data or audio file data useable format. SPT-A0-38 If the cellular forensic tool supports the interpret graphic files present on the target device then the tool shall recoverable active and deleted graphic file data or graphic fi remnants in a useable format. SPT-A0-39 If the cellular forensic tool supports the interpret video files present on the target device then the tool shall recoverable active and deleted graphic file data or graphic file remnants in a useable format.	port ata remnants in etation of EMS port ata remnants in etation of report remnants in a etation of ll report file data etation of report
Tester	rpa	
Name: Test Host:	Morrisy	
Test Date:	Fri Jun 29 07:32:11 EDT 2012	
Device:	HTC_Tilt2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 07:32:11 EDT 2012 Acquisition finished: Fri Jun 29 07:33:32 EDT 2012 Deleted address book entries were not recovered - NA Deleted PIM data was not recovered - NA Deleted Call log data was not recovered - NA Deleted text message data was recovered Deleted audio data was not recovered - NA Deleted graphic data was not recovered - NA Deleted video data was not recovered - NA	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-32 Physical acquisition, recovery of deleted address book entries.	as expected
	SPT-AO-33 Physical acquisition, recovery of deleted PIM data.	as expected
	SPT-AO-34 Physical acquisition, recovery of deleted call logs.	as expected
	SPT-A0-35 Physical acquisition, recovery of deleted SMS messages.	as expected
	SPT-AO-36 Physical acquisition, recovery of deleted EMS messages. SPT-AO-37 Physical acquisition, recovery of deleted stand-	as expected as expected
	alone audio files. SPT-AO-38 Physical acquisition, recovery of deleted	as expected
	graphic files. SPT-AO-39 Physical acquisition, recovery of deleted video files.	as expected

621 5.2.192 SPT-33 (HTC Tilt2)

Test Case SPT-33 XRY v6.3.1

Test Case SPT	-33 XRY v6.3.1		
Case	SPT-33 Acquire mobile device internal memory and review data containing		
Summary:	non-ASCII characters.		
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of 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:	Thu Jun 28 14:10:31 EDT 2012		
Device:	HTC_Tilt2		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Thu Jun 28 14:10:31 EDT 2012 Acquisition finished: Thu Jun 28 14:14:53 EDT 2012 Non-ASCII Address book entries were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-A0-40 Acquisition of non-ASCII address book entries/ADNs.	as expected	
	SPT-AO-41 Acquisition of non-ASCII text messages.	as expected	
Analysis:	Expected results achieved		

623 5.2.193 SPT-34 (HTC Tilt2)

Test Case SPT-34 XRY v6.3.1		
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 29 10:00:38 EDT 2012	
Device:	HTC_Tilt2	
Source Setup:	OS: WIN XP v5.1.2600 Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 10:00:38 EDT 2012 Acquisition finished: Fri Jun 29 10:12:49 EDT 2012 Non-ASCII ADNs were acquired and properly displayed Non-ASCII text messages were acquired and properly displayed	
Results:	Assertion & Expected Result Actual Result	
	SPT-A0-40 Acquisition of non-ASCII address book as expected entries/ADNs.	
	SPT-AO-41 Acquisition of non-ASCII text messages. as expected	

 Test Case SPT-34 XRY v6.3.1

 Analysis:
 Expected results achieved

624

625 5.2.194 SPT-35 (HTC Tilt2)

Test Case SPT-35 XRY v6.3.1		
Case	SPT-35 Begin acquisition on a PIN protected SIM to determine if the tool	
Summary:	provides an accurate count of the remaining number of PIN attempts and if	
	the PIN attempts are decremented when entering an inc	orrect value.
Assertions:	SPT-AO-29 If a cellular forensic tool provides the ex	aminer with the
	remaining number of authentication attempts then the application should	
	provide an accurate count of the remaining PIN attemp	ts.
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Jun 29 10:00:56 EDT 2012	
Device:	HTC_Tilt2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Fri Jun 29 10:00:56 EDT 2012	
	Acquisition finished: Fri Jun 29 10:13:09 EDT 2012	
	The remaining number of PIN attempts were properly di	splayed
Results:		
	Assertion & Expected Result	Actual Result
	SPT-AO-29 Display remaining number of PIN attempts.	as expected
		-
Analysis:	Expected results achieved	
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627 5.2.195 SPT-36 (HTC Tilt2)

Test Case SPT	-36 XRY v6.3.1	
Case Summary:	SPT-36 Begin acquisition on a SIM whose PIN attempts I determine if the tool provides an accurate count of th PUK attempts and if the PUK attempts are decremented y incorrect value. SPT-AO-30 If a cellular forensic tool provides the exa	he remaining number of when entering an
	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 29 10:01:13 EDT 2012	
Device:	HTC_Tilt2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 10:01:13 EDT 2012 Acquisition finished: Fri Jun 29 10:13:26 EDT 2012 Remaining number of PUK attempts were properly display	yed
Results:	Assertion & Expected Result SPT-AO-30 Display remaining number of PUK attempts.	Actual Result as expected
Analysis:	Expected results achieved	

628 5.2.196 SPT-38 (HTC Tilt2)

Toot Cago SDT.	-38 XRY v6.3.1	
Case	SPT-38 Acquire mobile device internal memory and review hash values for	
Summary:	vendor supported data objects.	
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual	
	data objects then the tool shall present the user with a has	h value for
	each supported data object.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Thu Jun 28 14:15:19 EDT 2012	
Device:	HTC_Tilt2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Thu Jun 28 14:15:19 EDT 2012	
5 5 6 6	Acquisition finished: Thu Jun 28 14:20:19 EDT 2012	
	Hash values were properly reported for individually acquired	device data
	elements	
Results:		
	Assertion & Expected Result	Actual
		Result
	SPT-AO-43 Acquire data, check known hash values for	as expected
	consistency.	- <u>-</u>
Analysis:	Expected results achieved	
±	1	

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630 5.2.197 SPT-39 (HTC Tilt2)

Test Case SPT	-39 XRY v6.3.1	
Case	SPT-39 Acquire SIM memory and review hash values for vendor objects.	supported data
Summary: 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 29 10:14:53 EDT 2012	
Device:	HTC_Tilt2	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: USB	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Fri Jun 29 10:14:53 EDT 2012 Acquisition finished: Fri Jun 29 10:15:34 EDT 2012 Hash values were properly reported for individually acquired SIM data elements	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-A0-43 Acquire data, check known hash values for consistency.	as expected
Analysis:	Expected results achieved	

632 5.2.198 SPT-01 (iPhone4 CDMA)

Test Case SPI	-01 XRY v6.3.1		
Case	SPT-01 Acquire mobile device internal memory over tool-support	ted interfaces	
Summary:	(e.g., cable, Bluetooth, IrDA).		
Assertions:	SPT-CA-01 If a cellular forensic tool provides support for con- the target device then the tool shall successfully recognize a device via all vendor supported interfaces (e.g., cable, Bluet SPT-CA-04 If a cellular forensic tool completes acquisition of device without error then the tool shall have the ability to p acquired data objects in a useable format via either a preview generated report. SPT-CA-29 If a cellular forensic tool provides the user with a All" device data objects acquisition option then the tool shall the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a individual device data objects then the tool shall complete th of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with a "Select Individual" device data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutiva acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutiva acquisitions of the target device without error then the paylo objects) on the mobile device shall remain consistent.	the target tooth, IrDA). f the target present w pane 'or an "Acquire ll complete a "Select All" he acquisition the ability to the tool shall we logical	
Tester	rpa		
Name:			
Test Host:	Morrisy		
Test Date:	Mon Jun 25 07:23:05 EDT 2012		
Device:	iPhone4_CDMA		
Source Setup:	OS: WIN XP v5.1.2600 Interface: cable		
Loq	Created by XRY v6.3.1		
Highlights:	Acquisition started: Mon Jun 25 07:23:05 EDT 2012 Acquisition finished: Mon Jun 25 07:26:57 EDT 2012 Device connectivity was established via supported interface		
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-CA-01 Device connectivity via supported interfaces.	as expected	
	SPT-CA-01 Device connectivity via supported interfaces. SPT-CA-04 Readability and completeness of acquired data via	as expected	
	supported reports.	as expected	
	SPT-CA-29 Acquire-All data objects acquisition.	as expected	
	SPT-CA-30 Select-All data objects acquisition.	as expected as expected	
	SPT-CA-31 Select-Individual data objects acquisition.	as expected	
	SPT-CA-32 Perform back-to-back acquisitions, check device payload for modifications.	as expected	
Analysis:	Expected results achieved		

633

634 5.2.199 SPT-02 (iPhone4 CDMA)

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

February 2013

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

636 5.2.200 SPT-03 (iPhone4 CDMA)

Test Case SPT-	-03 XRY v6.3.1	
Case	SPT-03 Begin mobile device internal memory acquisition and interrupt	
Summary:	connectivity by interface disengagement.	
Assertions:	SPT-CA-03 If connectivity between the mobile device and cellular forensic tool is disrupted then the tool shall notify the user that connectivity has	
	been disrupted.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jun 25 07:47:18 EDT 2012	
Device:	iPhone4_CDMA	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Mon Jun 25 07:47:18 EDT 2012	
	Acquisition finished: Mon Jun 25 08:10:02 EDT 2012	
	Device acquisition disruption notification was successful	
Results:		
	Assertion & Expected Result Actual Result	
	SPT-CA-03 Notification of device acquisition disruption. as expected	
Analysis:	Expected results achieved	

637

638 5.2.201 SPT-04 (iPhone4 CDMA)

Test Case SPT	-04 XRY v6.3.1
Case	SPT-04 Acquire mobile device internal memory and review reported data via
Summary:	the preview pane 'or generated reports for readability.
Assertions:	SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report.
Tester	rpa
Name:	
Test Host:	Morrisy
Test Date:	Mon Jun 25 08:13:52 EDT 2012
Device:	iPhone4_CDMA
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by XRY v6.3.1
Highlights:	Acquisition started: Mon Jun 25 08:13:52 EDT 2012

	Acquisition finished: Mon Jun 25 08:28:59 EDT 2012	
	Readability and completeness of acquired data was successful	1
Results:	-	
	Assertion & Expected Result	Actual Result
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
	via supported reports.	

640 5.2.202 SPT-05 (iPhone4 CDMA)

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

641

642 5.2.203 SPT-06 (iPhone4 CDMA)

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

Test Case SPT	-06 XRY v6.3.1	
	entries shall be presented in a useable format. SPT-CA-12 If a cellular forensic tool completes acquisition of 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 of device without error then datebook, calendar, note entries sh presented in a useable format. 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.	book entries of the target hall be of the target
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Mon Jun 25 10:43:29 EDT 2012	
Device:	iPhone4_CDMA	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Mon Jun 25 10:43:29 EDT 2012 Acquisition finished: Mon Jun 25 10:48:17 EDT 2012	
	All address book entries were successfully acquired	
	ALL PIM related data was acquired	
Results:		Actual Result
Results:	ALL PIM related data was acquired	
Results:	ALL PIM related data was acquired Assertion & Expected Result	Result
Results:	ALL PIM related data was acquired Assertion & Expected Result SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book	Result as expected
Results:	ALL PIM related data was acquired Assertion & Expected Result SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing	Result as expected as expected
Results:	ALL PIM related data was acquired Assertion & Expected Result SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing special characters. SPT-CA-10 Acquisition of address book entries containing a	Resultas expectedas expectedas expected
Results:	ALL PIM related data was acquired Assertion & Expected Result SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing special characters. SPT-CA-10 Acquisition of address book entries containing a blank name entry. SPT-CA-11 Acquisition of embedded email addresses within	Resultas expectedas expectedas expectedas expected
Results:	ALL PIM related data was acquired Assertion & Expected Result SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing special characters. SPT-CA-10 Acquisition of address book entries containing a blank name entry. SPT-CA-11 Acquisition of embedded email addresses within address book entries. SPT-CA-12 Acquisition of embedded graphics within address	Resultas expectedas expectedas expectedas expectedas expected
Results:	ALL PIM related data was acquired Assertion & Expected Result SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing special characters. SPT-CA-10 Acquisition of address book entries containing a blank name entry. SPT-CA-11 Acquisition of embedded email addresses within address book entries. SPT-CA-12 Acquisition of embedded graphics within address book entries. SPT-CA-13 Acquisition of PIM data (i.e.,	Resultas expectedas expectedas expectedas expectedas expectedas expectedas expected
Results:	ALL PIM related data was acquired Assertion & Expected Result SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries. SPT-CA-09 Acquisition of address book entries containing special characters. SPT-CA-10 Acquisition of address book entries containing a blank name entry. SPT-CA-11 Acquisition of embedded email addresses within address book entries. SPT-CA-12 Acquisition of embedded graphics within address book entries. SPT-CA-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	Resultas expectedas expectedas expectedas expectedas expectedas expectedas expectedas expectedas expected

644 5.2.204 SPT-07 (iPhone4 CDMA)

Test Case SPT	-07 XRY v6.3.1
Case Summary:	SPT-07 Acquire mobile device internal memory and review reported call logs.
Assertions:	SPT-CA-15 If a cellular forensic tool completes acquisition of the target device without error then call logs (incoming/outgoing/missed) shall be presented in a useable format. SPT-CA-16 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps and the duration of the call for call logs shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Mon Jun 25 12:48:52 EDT 2012
Device:	iPhone4_CDMA
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by XRY v6.3.1

Test Case SP	C-07 XRY v6.3.1	
Highlights:	Acquisition started: Mon Jun 25 12:48:52 EDT 2012	
	Acquisition finished: Mon Jun 25 12:50:03 EDT 2012	
	All Call Logs (incoming, outgoing, missed) were acquired All Call Log date/time stamps data were correctly reported	
Results:		
Results:	Assertion & Expected Result	Actual Result
Results:	Assertion & Expected Result SPT-CA-15 Acquisition of call logs.	Actual Result as expected
Results:		
Results:	SPT-CA-15 Acquisition of call logs.	as expected

646 5.2.205 SPT-08 (iPhone4 CDMA)

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

649 5.2.206 SPT-09 (iPhone4 CDMA)

Test Case SPT	-09 XRY v6.3.1	
Case	SPT-09 Acquire mobile device internal memory and review reported MMS multi-	
Summary:	media related data (i.e., text, audio, graphics, video).	
Assertions:	SPT-CA-21 If a cellular forensic tool completes acquisition 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 nic files shall n of the target
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 26 07:28:16 EDT 2012	
Device:	iPhone4_CDMA	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	: Acquisition started: Tue Jun 26 07:28:16 EDT 2012 Acquisition finished: Tue Jun 26 07:48:34 EDT 2012	
	ALL MMS messages (Audio, Image, Video) were acquired	
Results:		
	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	

650

651 5.2.207 SPT-10 (iPhone4 CDMA)

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

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

653 5.2.208 SPT-11 (iPhone4 CDMA)

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

654

655 5.2.209 SPT-12 (iPhone4 CDMA)

Test Case SPT	-12 XRY v6.3.1
Case	SPT-12 Acquire mobile device internal memory and review Internet related
Summary:	data (i.e., bookmarks, visited sites.
Assertions:	SPT-CA-28 If a cellular forensic tool completes acquisition of the target device without error then Internet related data (i.e., bookmarks, visited sites) cached to the device shall be acquired and presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Tue Jun 26 12:57:57 EDT 2012
Device:	iPhone4_CDMA
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 26 12:57:57 EDT 2012 Acquisition finished: Tue Jun 26 13:15:08 EDT 2012

ults:	
Assertion & Expected Result	Actual Result
SPT-CA-28 Acquisition of Internet related	data. as expected
lysis: Expected results achieved	

657 5.2.210 SPT-13 (iPhone4 CDMA)

Test Case SPT	-13 XRY v6.3.1	
Case	SPT-13 Acquire mobile device internal memory by selecting a combination of	
Summary:	supported data elements.	
Assertions:	SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with an "Select All" individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object without error.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 26 13:15:38 EDT 2012	
Device:	iPhone4_CDMA	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jun 26 13:15:38 EDT 2012	
	Acquisition finished: Tue Jun 26 13:28:27 EDT 2012	
	Acquire All acquisition was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-29 Acquire-All data objects acquisition.	as expected
	SPT-CA-30 Select-All data objects acquisition.	as expected
	SPT-CA-31 Select-Individual data objects acquisition.	as expected
Analysis:	Expected results achieved	

658

659 5.2.211 SPT-24 (iPhone4 CDMA)

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

Test Case SPT	-24 XRY v6.3.1	
	Acquisition finished: Tue Jun 26 13:35:36 EDT 2012	
	Complete representation of known data via generated reports w	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	

661 5.2.212 SPT-25 (iPhone4 CDMA)

25 XRY v6.3.1	
SPT-25 Acquire mobile device internal memory and review reported data via	
the preview pane.	
SPT-AO-26 If a cellular forensic tool completes acquisition of the target	
device without error then the tool shall present the acquire	d data in a
useable format in a preview pane 'view.	
rpa	
Morrisy	
Tue Jun 26 13:36:06 EDT 2012	
iPhone4_CDMA	
OS: WIN XP v5.1.2600	
Interface: cable	
Created by XRY v6.3.1	
-	
Acquisition finished: Tue Jun 26 13:48:07 EDT 2012	
	C 1
Complete representation of known data via preview pane was s	uccessiul
Annuchien & Remembed Result	Actual
Assertion & Expected Result	Result
SPT-AO-26 Comparison of known device data elements via	as expected
preview-pane.	
Expected results achieved	
	the preview pane. SPT-A0-26 If a cellular forensic tool completes acquisition device without error then the tool shall present the acquire useable format in a preview pane 'view. Tpa Morrisy Tue Jun 26 13:36:06 EDT 2012 iPhone4_CDMA OS: WIN XP v5.1.2600 Interface: cable Created by XRY v6.3.1 Acquisition started: Tue Jun 26 13:36:06 EDT 2012 Acquisition finished: Tue Jun 26 13:48:07 EDT 2012 Complete representation of known data via preview pane was s Assertion & Expected Result SPT-A0-26 Comparison of known device data elements via preview-pane.

662

663 5.2.213 SPT-29 (iPhone4 CDMA)

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

665 5.2.214 SPT-31 (iPhone4 CDMA)

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

666

667 5.2.215 SPT-32 (iPhone4 CDMA)

Test Case SPI	-32 XRY v6.3.1
Case	SPT-32 Perform a physical acquisition and review reports for recoverable
Summary:	deleted data.
Assertions:	SPT-A0-32 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-A0-33 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-A0-34 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-A0-35 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-A0-36 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 SMS message data remnants in a useable format. SPT-A0-36 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-A0-37 If the cellular forensic tool supports the interpretation of audio files present on the target device then the tool shall report

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

669 5.2.216 SPT-33 (iPhone4 CDMA)

Test Case SPT-33 XRY v6.3.1		
Case	SPT-33 Acquire mobile device internal memory and review data containing	
Summary:	non-ASCII characters.	
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of non-ASCII characters then the application should present address book entries in their native format. SPT-AO-41 If the cellular forensic tool supports proper display of non- ASCII characters then the application should present text messages in their native format.	

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

671 5.2.217 SPT-38 (iPhone4 CDMA)

	-38 XRY v6.3.1	
Case	SPT-38 Acquire mobile device internal memory and review hash values for	
Summary:	vendor supported data objects.	
Assertions:	SPT-AO-43 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 26 14:11:39 EDT 2012	
Device:	iPhone4_CDMA	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Tue Jun 26 14:11:39 EDT 2012 Acquisition finished: Tue Jun 26 14:16:47 EDT 2012 Hash values were properly reported for individually acquired device data elements	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-A0-43 Acquire data, check known hash values for consistency.	as expected
Analysis:	Expected results achieved	

672

673 5.2.218 SPT-40 (iPhone4 CDMA)

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

TESC CASE SPI	-40 XRY v6.3.1	
	coordinates for all GPS-related data in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Tue Jun 26 14:18:40 EDT 2012	
Device:	iPhone4_CDMA	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Tue Jun 26 14:18:40 EDT 2012	
	Acquisition finished: Tue Jun 26 14:22:26 EDT 2012	
	GPS Coordinate data was successfully acquired	
Results:		
Results.	Assertion & Expected Result	Actual Result
	SPT-AO-44 Acquire data, check GPS data for consistency.	
		<u>r</u> 2000a
Analysis:	Expected results achieved	

675 5.2.219 SPT-01 (HTC Thunderbolt)

Test Case SPT	-01 XRY v6.3.1	
Case	SPT-01 Acquire mobile device internal memory over tool-supported interfaces	
Summary:	(e.g., cable, Bluetooth, IrDA).	
Assertions:	<pre>(e.g., caple, Bluetooth, ITDA). 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, ITDA). SPT-CA-04 If a cellular forensic tool completes acquisition of the target device without error then the tool shall have the ability to present acquired data objects in a useable format via either a preview pane or generated report. SPT-CA-29 If a cellular forensic tool provides the user with an "Acquire All" device data objects acquisition option then the tool shall complete the acquisition of all data objects without error. SPT-CA-30 If a cellular forensic tool provides the user with a "Select All" individual device data objects then the tool shall complete the acquisition of all individually selected data objects without error. SPT-CA-31 If a cellular forensic tool provides the user with the ability to "Select Individual" device data objects for acquisition then the tool shall acquire each exclusive data object without error. SPT-CA-32 If a cellular forensic tool completes two consecutive logical acquisitions of the target device without error then the payload (data objects) on the mobile device shall remain consistent.</pre>	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 27 07:24:28 EDT 2012	
Device:	HTC Thunderbolt	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 07:24:28 EDT 2012 Acquisition finished: Wed Jun 27 08:08:25 EDT 2012 Device connectivity was established via supported interface	
Results:	Assertion & Expected Result	Actual
		Result
	SPT-CA-01 Device connectivity via supported interfaces.	as expected
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected

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

677 5.2.220 SPT-02 (HTC Thunderbolt)

Test Case SPT	-02 XRY v6.3.1
Case Summary:	SPT-02 Attempt internal memory acquisition of a nonsupported mobile device.
Assertions:	SPT-CA-02 If a cellular forensic tool attempts to connect to a nonsupported device then the tool shall notify the user that the device is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jun 27 08:09:04 EDT 2012
Device:	unsupported_device
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by XRY v6.3.1
Highlights:	Acquisition started: Wed Jun 27 08:09:04 EDT 2012
	Acquisition finished: Wed Jun 27 08:31:08 EDT 2012
	Identification of nonsupported devices was successful
Results:	
	Assertion & Expected Result Actual Result
	SPT-CA-02 Identification of nonsupported devices. as expected
Analysis:	Expected results achieved

678

679 5.2.221 SPT-03 (HTC Thunderbolt)

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

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

681 5.2.222 SPT-04 (HTC Thunderbolt)

Test Case SPI	Y-04 XRY v6.3.1	
Case Summary:	SPT-04 Acquire mobile device internal memory and review report the preview pane or generated reports for readability.	ted data via
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 previe generated report.	present
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 27 08:53:35 EDT 2012	
Device:	HTC_Thunderbolt	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Wed Jun 27 08:53:35 EDT 2012	
	Acquisition finished: Wed Jun 27 09:35:05 EDT 2012	
	Readability and completeness of acquired data was successful	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-04 Readability and completeness of acquired data via supported reports.	as expected
Analysis:	Expected results achieved	

682

683 5.2.223 SPT-05 (HTC Thunderbolt)

Test Case SPT	-05 XRY v6.3.1	
Case	SPT-05 Acquire mobile device internal memory and review reported subscriber	
Summary:	and equipment related information (e.g., IMEI/MEID/ESN, MSISDN).	
Assertions:	SPT-CA-05 If a cellular forensic tool completes acquisition of the target	
	device without error then subscriber-relation	ted information shall be presented
	in a useable format.	
	SPT-CA-06 If a cellular forensic tool com	pletes acquisition of the target
	device without error then equipment relate	ed information shall be presented
	in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 27 09:35:25 EDT 2012	
Device:	HTC_Thunderbolt	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Wed Jun 27 09:35:25 EDT 2012	
	Acquisition finished: Wed Jun 27 09:58:46	EDT 2012
	IMEI, MEID/ESN were acquired	
Results:		
	Assertion & Expected Result	Actual Result
	SPT-CA-05 Acquisition of MSISDN, IMSI.	as expected

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

685 5.2.224 SPT-06 (HTC Thunderbolt)

	-06 XRY v6.3.1	
Case	SPT-06 Acquire mobile device internal memory and review report	ted PIM
Summary: Assertions:	related data.	f the tenat
Assertions.	SPT-CA-07 If a cellular forensic tool completes acquisition of	
	device without error then address book entries shall be prese useable format.	ented in a
		f the terret
	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.	f the terret
	SPT-CA-09 If a cellular forensic tool completes acquisition of	
	device without error then address book entries containing spe	ecial
	characters shall be presented in a useable format.	f the termst
	SPT-CA-10 If a cellular forensic tool completes acquisition of device without error then address book entries containing bla	-
	be presented in a useable format.	ank names shal
	SPT-CA-11 If a cellular forensic tool completes acquisition of	f the target
	device without error then email addresses associated with add	
		ILESS DOOK
	entries shall be presented in a useable format.	f the termst
	SPT-CA-12 If a cellular forensic tool completes acquisition of device without error then graphics associated with address bo	
		JON HILLIES
	shall be presented in a useable format. SPT-CA-13 If a cellular forensic tool completes acquisition c	f the target
	device without error then datebook, calendar, note entries sh	-
	presented in a useable format.	TATT DE
	SPT-CA-14 If a cellular forensic tool completes acquisition of	of the target
	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:	Wed Jun 27 09:59:16 EDT 2012	
Device:	HTC_Thunderbolt	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
-		
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Wed Jun 27 09:59:16 EDT 2012	
	Acquisition finished: Wed Jun 27 10:08:09 EDT 2012	
	All address book entries were successfully acquired	
	ALL PIM related data was acquired	
Results:		
	Assertion & Expected Result	Actual
	inder tron a impeteted hebart	mocuum
		Result
	SPT-CA-07 Acquisition of address book entries.	Result
		Result as expected
	SPT-CA-07 Acquisition of address book entries.	Result as expected
	SPT-CA-07 Acquisition of address book entries. SPT-CA-08 Acquisition of maximum length address book entries.	Result 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	Result 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.	Resultas expectedas expectedas 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	Resultas expectedas expectedas 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.	Result 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	Result 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.	Result 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	Result 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.	Result 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.,	Result 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.	Result as expected as expected

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

687 5.2.225 SPT-07 (HTC Thunderbolt)

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

688

689 5.2.226 SPT-08 (HTC Thunderbolt)

Test Case SPI	-08 XRY v6.3.1
Case	SPT-08 Acquire mobile device internal memory and review reported text
Summary:	messages.
Assertions:	SPT-CA-17 If a cellular forensic tool completes acquisition of the target device without error then ASCII text messages (i.e., SMS, EMS) shall be presented in a useable format. SPT-CA-18 If a cellular forensic tool completes acquisition of the target device without error then the corresponding date/time stamps for text messages shall be presented in a useable format. SPT-CA-19 If a cellular forensic tool completes acquisition of the target device without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format. SPT-CA-20 If a cellular forensic tool completes acquisition of the target device without error then the corresponding status (i.e., read, unread) for text messages shall be presented in a useable format.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jun 27 10:31:07 EDT 2012
Device:	HTC_Thunderbolt
Source	OS: WIN XP v5.1.2600
Setup:	Interface: cable
Log	Created by XRY v6.3.1
Highlights:	Acquisition started: Wed Jun 27 10:31:07 EDT 2012
	Acquisition finished: Wed Jun 27 12:06:36 EDT 2012

Test Case SPI	2-08 XRY v6.3.1	
	ALL text messages (SMS, EMS) were acquired Correct date/time stamps were reported for all text message Correct status flags were reported for all text messages Sender and Recipient phone numbers associated with text mes correctly reported	
Results:	Assertion & Expected Result	Actual Result
	SPT-CA-17 Acquisition of text messages.	as expected
	SPT-CA-18 Acquisition of text message date/time stamps.	as expected
	SPT-CA-19 Acquisition of text message status flags.	as expected
	SPT-CA-20 Acquisition of sender/recipient phone number associated with text messages.	as expected
Analysis:	Expected results achieved	

691 5.2.227 SPT-09 (HTC Thunderbolt)

Test Case SPT	-09 XRY v6.3.1	
Case	SPT-09 Acquire mobile device internal memory and review reported MMS multi-	
Summary:	media related data (i.e., text, audio, graphics, video).	
Assertions:	SPT-CA-21 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated audio shall be presented in a useable format. SPT-CA-22 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated graphic files shall be presented in a useable format. SPT-CA-23 If a cellular forensic tool completes acquisition of the target device without error then MMS messages and associated yideo shall be presented in a useable format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 27 12:07:07 EDT 2012	
Device:	HTC_Thunderbolt	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 12:07:07 EDT 2012	
	Acquisition finished: Wed Jun 27 12:19:08 EDT 2012	
	ALL MMS messages (Audio, Image, Video) were acquired	
Results:		
	Assertion & Expected Result Actual Result	
	SPT-CA-21 Acquisition of audio MMS messages. as expected	
	SPT-CA-22 Acquisition of graphic data image MMS as expected messages.	
	SPT-CA-23 Acquisition of video MMS messages. as expected	
Analysis:	Expected results achieved	

692

693 5.2.228 SPT-10 (HTC Thunderbolt)

Test Case SPT-10 XRY v6.3.1		
Case	SPT-10 Acquire mobile device internal memory and review reported stand-	
Summary:	alone multi-media data (i.e., audio, graphics, video).	
Assertions:	SPT-CA-24 If a cellular forensic tool completes acquisition of the target device without error then stand-alone audio files shall be presented in a	

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

695 5.2.229 SPT-11 (HTC Thunderbolt)

Test Case SPI	2-11 XRY v6.3.1	
Case	SPT-11 Acquire mobile device internal memory and review application related	
Summary:	data (i.e., word documents, spreadsheet, presentation documents).	
Assertions:	SPT-CA-27 If a cellular forensic tool completes acquisition of the target	
	device without error then device specific application related data shall be	
	acquired and presented in a useable format via either an internal	
	application or suggested third-party application.	
Tester	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Wed Jun 27 12:33:19 EDT 2012	
Device:	HTC_Thunderbolt	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Wed Jun 27 12:33:19 EDT 2012	
	Acquisition finished: Wed Jun 27 13:03:28 EDT 2012	
	All application data was acquired	
Results:		
	Assertion & Expected Result Actual Result	
	SPT-CA-27 Acquisition of application related data. as expected	
Analysis:	Expected results achieved	

697 5.2.230 SPT-12 (HTC Thunderbolt)

-12 XRY v6.3.1	
SPT-12 Acquire mobile device internal memory and review Internet related	
data (i.e., bookmarks, visited sites.	
SPT-CA-28 If a cellular forensic tool completes a device without error then Internet related data (sites) cached to the device shall be acquired and format.	i.e., bookmarks, visited
rpa	
Morrisy	
Wed Jun 27 13:03:50 EDT 2012	
HTC_Thunderbolt	
OS: WIN XP v5.1.2600	
Interface: cable	
Created by XRY v6.3.1	
Acquisition started: Wed Jun 27 13:03:50 EDT 2012	
Acquisition finished: Wed Jun 27 13:38:59 EDT 201	2
All Internet related data was acquired	
Assertion & Expected Result	Actual Result
SPT-CA-28 Acquisition of Internet related data.	as expected
Expected results achieved	
	data (i.e., bookmarks, visited sites. SPT-CA-28 If a cellular forensic tool completes a device without error then Internet related data (sites) cached to the device shall be acquired and format. rpa Morrisy Wed Jun 27 13:03:50 EDT 2012 HTC_Thunderbolt OS: WIN XP v5.1.2600 Interface: cable Created by XRY v6.3.1 Acquisition started: Wed Jun 27 13:03:50 EDT 2012 Acquisition finished: Wed Jun 27 13:38:59 EDT 201 All Internet related data was acquired Assertion & Expected Result SPT-CA-28 Acquisition of Internet related data.

698

699 5.2.231 SPT-13 (HTC Thunderbolt)

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

701 5.2.232 SPT-24 (HTC Thunderbolt)

Test Case SPT	-24 XRY v6.3.1		
Case	SPT-24 Acquire mobile device internal memory and review reported data via		
Summary:	supported generated report formats.		
Assertions:	ons: SPT-AO-25 If a cellular forensic tool completes acquisition of the ta:		
	device without error then the tool shall present the acquired data in a		
	useable format via supported generated report formats.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Wed Jun 27 14:04:12 EDT 2012		
Device:	HTC_Thunderbolt		
Source	OS: WIN XP v5.1.2600		
Setup:	Interface: cable		
Log	Created by XRY v6.3.1		
Highlights:	Acquisition started: Wed Jun 27 14:04:12 EDT 2012		
	Acquisition finished: Wed Jun 27 14:06:19 EDT 2012		
	Complete representation of known data via generated reports	s was successful	
Results:			
	Assertion & Expected Result	Actual Result	
	SPT-AO-25 Comparison of known device data elements via	as expected	
	generated reports.		
Analysis:	Expected results achieved		

702

703 5.2.233 SPT-25 (HTC Thunderbolt)

Test Case SDT	-25 XRY v6.3.1	
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 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 27 14:06:50 EDT 2012	
Device:	HTC_Thunderbolt	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 14:06:50 EDT 2012 Acquisition finished: Wed Jun 27 14:10:19 EDT 2012 Complete representation of known data via preview pane 'was	successful
Results:		
	Assertion & Expected Result	Actual Result
	SPT-A0-26 Comparison of known device data elements via preview-pane.	as expected
Analysis:	Expected results achieved	
ALIALYSIS.	Expected results achieved	

706 5.2.234 SPT-29 (HTC Thunderbolt)

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

707

708 5.2.235 SPT-33 (HTC Thunderbolt)

	-33 XRY v6.3.1	
Case	SPT-33 Acquire mobile device internal memory and review data containing	
Summary:	non-ASCII characters.	
Assertions:	SPT-AO-40 If the cellular forensic tool supports display of	non-ASCII
	characters then the application should present address book	entries in
	their native format.	
	SPT-AO-41 If the cellular forensic tool supports proper disp	lay of non-
	ASCII characters then the application should present text me	ssages in their
	native format.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 27 14:13:02 EDT 2012	
Device:	HTC_Thunderbolt	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log	Created by XRY v6.3.1	
Highlights:	Acquisition started: Wed Jun 27 14:13:02 EDT 2012	
	Acquisition finished: Wed Jun 27 14:14:16 EDT 2012	
	Non-ASCII Address book entries were acquired and properly di	
	Non-ASCII text messages were acquired and properly displayed	
Results:		
Results:	Acception (Reported Decult	Actual
	Assertion & Expected Result	
		Result
	SPT-AO-40 Acquisition of non-ASCII address book	as expected
	entries/ADNs.	
	SPT-AO-41 Acquisition of non-ASCII text messages.	as expected
Analysis:	Expected results achieved	

710 5.2.236 SPT-38 (HTC Thunderbolt)

Test Case SPT	-38 XRY v6.3.1	
Case	SPT-38 Acquire mobile device internal memory and review has	h values for
Summary:	vendor supported data objects.	
Assertions:		
	data objects then the tool shall present the user with a ha each supported data object.	sh value for
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Jun 27 14:15:16 EDT 2012	
Device:	HTC_Thunderbolt	
Source	OS: WIN XP v5.1.2600	
Setup:	Interface: cable	
Log Highlights:	Created by XRY v6.3.1 Acquisition started: Wed Jun 27 14:15:16 EDT 2012 Acquisition finished: Wed Jun 27 14:17:15 EDT 2012 Hash values were properly reported for individually acquire elements	d device data
Results:		
	Assertion & Expected Result	Actual Result
	SPT-A0-43 Acquire data, check known hash values for consistency.	as expected
Analysis:	Expected results achieved	

711

712 5.2.237 SPT-40 (HTC Thunderbolt)

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

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

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

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Creating relevant knowledge and tools

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

Dissemination

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

Agency management

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

Program Areas

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

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

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