SEPT. 09

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Special **REPORT**

Test Results for Mobile Device Acquisition Tool: Cellebrite UFED 1.1.05

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Cellebrite UFED 1.1.0.5

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Introduction

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

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

This document reports the results from testing Cellebrite's UFED, version 1.1.0.5, against the *Non-GSM Mobile Device and Associated Media Tool Test Assertions and Test Plan Version 1.1*, available at the CFTT Web site (www.cftt.nist.gov/mobile_devices.htm).

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

Test Results for Mobile Device Data Acquisition Tool

Tool Tested:	Cellebrite UFED
Version:	1.1.0.5
Run Environments:	Windows XP Service Pack 2
Supplier:	Cellebrite USA Corp.
Address:	266 Harristown Rd. Ste. 105 Glen Rock, NJ 07452
Tel:	201–848–8552
Fax:	201–848–9982
WWW:	http://www.cellebrite.com/

1 Results Summary

Except for the following test cases: CFT–IM–03 (LG VX6100), CFT–IM–05 (SCH–u410, SCH–u740, SPH–a660), CFT–IM–07 (MOTO V710), CFT–IM–08 (MOTO V710), the tested tool acquired all supported data objects completely and accurately from the selected test mobile devices (i.e., LG VX5400, LG VX6100, Motorola V710, Samsung SCH–u410, Samsung SCH–u740, Samsung SPH–a660). The exceptions are the following:

1. Connectivity disruptions between the mobile device (i.e., LG VX6100) and interface were not adequately presented to the examiner. Test Case: CFT–IM–03 (LG VX6100)
2. The MIN was extracted instead of the MSISDN for the following Samsung devices: SCH–u410, SCH–u740, SPH–a660. Test Case: CFT–IM–05 (SCH–u410, SCH–u740,SPH–a660)
3. Missed calls are reported as both Incoming and Missed, representing two calls rather than one. Test Case: CFT–IM–07 (MOTO V710)
4. Text messages with a status of UNREAD were altered to READ. Test Case: CFT–IM–08 (MOTO V710)
5. Outgoing text messages did not contain the outgoing date/time stamp. Test Case: CFT–IM–08 (MOTO V710)
6. All outgoing text messages present in internal memory were not reported. Test Case: CFT–IM–08 (MOTO V710)

2 Test Case Selection

Not all test cases or test assertions are appropriate for all tools. In addition to the base test cases, each remaining test case is linked to optional tool features needed for the test case. If a given tool implements a given feature then the test cases linked to that feature are run. Tables (1a–1e) list the features available in Cellbrite's UFED and the linked test cases. Tables (2a–2e) list the features not available in Cellebrite's UFED.

Table 1a: Selected Test Cases (LG VX5400, LG VX6100)

Supported Optional Feature	Cases selected for execution
Base Cases	CFT–IM–(01–06, 10)
Acquire mobile device internal memory and review data via supported generated report formats.	CFT–IMO–01
Acquire mobile device internal memory and review reported data via the preview pane.	CFT–IMO–02
Acquire mobile device internal memory and compare reported data via the preview pane and supported generated report formats.	CFT–IMO–03
After a successful mobile device internal memory acquisition, alter the case file via third party means and attempt to reopen the case.	CFT–IMO–04
Acquire mobile device internal memory and review data containing foreign language characters.	CFT–IMO–08
Acquire mobile device internal memory and review hash values for vendor supported data objects.	CFT–IMO–09

Table 2a: Omitted Test Cases (LG VX5400, LG VX6100)

Unsupported Optional Feature	Cases omitted (not executed)
Acquire mobile device internal memory and review reported call logs.	CFT–IM–07
Acquire mobile device internal memory and review reported text messages.	CFT–IM–08
Acquire mobile device internal memory and review reported MMS multimedia related data (i.e., text, audio, graphics, video).	CFT–IM–09
Perform a physical acquisition and review data output for readability.	CFT–IMO–05
Perform a physical acquisition and review reports for recoverable deleted data.	CFT–IMO–06
Acquire mobile device internal memory and review generated log files.	CFT–IMO–07
Acquire mobile device internal memory and review the overall case file hash.	CFT–IMO–10

Table 1b: Selected Test Cases (Motorola V710)

Supported Optional Feature	Cases selected for execution
Base Cases	CFT–IM–(01–10)
Acquire mobile device internal memory and review data via supported generated report formats.	CFT–IMO–01
Acquire mobile device internal memory and review reported data via the preview pane.	CFT–IMO–02
Acquire mobile device internal memory and compare reported data via the preview pane and supported generated report formats.	CFT–IMO–03
After a successful mobile device internal memory acquisition, alter the case file via third party means, and attempt to reopen the case.	CFT–IMO–04
Acquire mobile device internal memory and review data containing foreign language characters.	CFT–IMO–08
Acquire mobile device internal memory and review hash values for vendor supported data objects.	CFT–IMO–09

Table 2b: Omitted Test Cases (Motorola V710)

Unsupported Optional Feature	Cases omitted (not executed)
Perform a physical acquisition and review data output for readability.	CFT–IMO–05
Perform a physical acquisition and review reports for recoverable deleted data.	CFT–IMO–06
Acquire mobile device internal memory and review generated log files.	CFT–IMO–07
Acquire mobile device internal memory and review the overall case file hash.	CFT–IMO–10

Table 1c: Selected Test Cases (Samsung SCH–u410)

Supported Optional Feature	Cases selected for execution
Base Cases	CFT–IM–(01–05, 10)
Acquire mobile device internal memory and review data via supported generated report formats.	CFT–IMO–01
Acquire mobile device internal memory and review reported data via the preview pane.	CFT–IMO–02
Acquire mobile device internal memory and compare reported data via the preview pane and supported generated report formats.	CFT–IMO–03
After a successful mobile device internal memory acquisition, alter the case file via third party means and attempt to reopen the case.	CFT–IMO–04
Acquire mobile device internal memory and review data containing foreign language characters.	CFT–IMO–08

Acquire mobile device internal memory and review hash values for vendor supported data objects.	CFT–IMO–09

Table 2c: Omitted Test Cases (Samsung SCH–u410)

Unsupported Optional Feature	Cases omitted (not executed)
Acquire mobile device internal memory and review reported PIM related data.	CFT–IM–06
Acquire mobile device internal memory and review reported call logs.	CFT–IM–07
Acquire mobile device internal memory and review reported text messages.	CFT–IM–08
Acquire mobile device internal memory and review reported MMS multimedia related data (i.e., text, audio, graphics, video).	CFT–IM–09
Perform a physical acquisition and review data output for readability.	CFT–IMO–05
Perform a physical acquisition and review reports for recoverable deleted data.	CFT–IMO–06
Acquire mobile device internal memory and review generated log files.	CFT–IMO–07
Acquire mobile device internal memory and review the overall case file hash.	CFT–IMO–10

Table 1d: Selected Test Cases (Samsung SCH–u740)

Supported Optional Feature	Cases selected for execution
Base Cases	CFT–IM–(01–05, 07,10)
Acquire mobile device internal memory and review data via supported generated report formats.	CFT–IMO–01
Acquire mobile device internal memory and review reported data via the preview pane.	CFT–IMO–02
Acquire mobile device internal memory and compare reported data via the preview pane and supported generated report formats.	CFT–IMO–03
After a successful mobile device internal memory acquisition, alter the case file via third party means and attempt to reopen the case.	CFT–IMO–04
Acquire mobile device internal memory and review data containing foreign language characters.	CFT–IMO–08
Acquire mobile device internal memory and review hash values for vendor supported data objects.	CFT–IMO–09

Table 2d: Omitted Test Cases (Samsung SCH–u740)

Unsupported Optional Feature	Cases omitted (not executed)
Acquire mobile device internal memory and review reported call logs.	CFT–IM–07
Acquire mobile device internal memory and review reported text messages.	CFT–IM–08
Acquire mobile device internal memory and review reported MMS multimedia related data (i.e., text, audio, graphics, video).	CFT–IM–09
Perform a physical acquisition and review data output for readability.	CFT–IMO–05
Perform a physical acquisition and review reports for recoverable deleted data.	CFT–IMO–06
Acquire mobile device internal memory and review generated log files.	CFT–IMO–07
Acquire mobile device internal memory and review the overall case file hash.	CFT–IMO–10

Table 1e: Selected Test Cases (Samsung SPH–a660)

Supported Optional Feature	Cases selected for execution
Base Cases	CFT–IM–(01–06)
Acquire mobile device internal memory and review data via supported generated report formats.	CFT–IMO–01
Acquire mobile device internal memory and review reported data via the preview pane.	CFT–IMO–02
Acquire mobile device internal memory and compare reported data via the preview pane and supported generated report formats.	CFT–IMO–03
After a successful mobile device internal memory acquisition, alter the case file via third party means and attempt to reopen the case.	CFT–IMO–04
Acquire mobile device internal memory and review data containing foreign language characters.	CFT–IMO–08
Acquire mobile device internal memory and review hash values for vendor supported data objects.	CFT–IMO–09

Table 2e: Omitted Test Cases (Samsung SPH–a660)

Unsupported Optional Feature	Cases omitted (not executed)
Acquire mobile device internal memory and review reported call logs.	CFT–IM–07
Acquire mobile device internal memory and review reported text messages.	CFT–IM–08

Acquire mobile device internal memory and review reported MMS multimedia related data (i.e., text, audio, graphics, video).	CFT–IM–09
Acquire mobile device internal memory and review reported stand-alone multimedia data (i.e., audio, graphics, video).	CFT–IM–10
Perform a physical acquisition and review data output for readability.	CFT–IMO–05
Perform a physical acquisition and review reports for recoverable deleted data.	CFT–IMO–06
Acquire mobile device internal memory and review generated log files.	CFT–IMO–07
Acquire mobile device internal memory and review the overall case file hash.	CFT–IMO–10

3 Results by Test Assertion

Tables 3a–3e summarize the test results by assertion. The column labeled **Assertion Tested** gives the text of each assertion. The column labeled **Tests** gives the number of test cases that use the given assertion. The column labeled **Anomaly** gives the section number in this report where the anomaly is discussed.

Table 3a: Assertions Tested: (LG VX5400, LG VX6100)

Assertions Tested	Tests	Anomaly
A_IM–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).	6	
A_IM–02 If a cellular forensic tool attempts to connect to a nonsupported device then the tool shall have the ability to identify that the device is not supported.	1	
A_IM–03 If a cellular forensic tool encounters disengagement between the device and application then the application shall notify the user that connectivity has been disrupted.	1	3.1 (LG VX6100)
A_IM–04 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall have the ability to present acquired data elements in a human-readable format via either a preview pane or generated report.	4	
A_IM–05 If a cellular forensic tool successfully completes acquisition of the target device then subscriber related information shall be presented in a human-readable format without modification.	1	
A_IM–06 If a cellular forensic tool successfully completes acquisition of the target device then equipment related information shall be presented in a human-readable format without modification.	1	
A_IM–07 If a cellular forensic tool successfully completes acquisition of the target device then all known address book entries shall be presented in a human-readable format without modification.	1	
A_IM–08 If a cellular forensic tool successfully completes acquisition of the target device then all known maximum length address book entries shall be presented in a human-readable format without modification.	1	
A_IM–09 If a cellular forensic tool successfully completes acquisition of the target device then all known address book entries containing special characters shall be presented in a human-readable format without modification.	1	
A_IM–10 If a cellular forensic tool successfully completes acquisition of the target device then all known address book entries containing blank names shall be presented in a human-readable format without modification.	1	
A_IM–11 If a cellular forensic tool successfully completes	1	

acquisition of the target device then all known e-mail addresses associated with address book entries shall be presented in a human-readable format without modification.		
A_IM–12 If a cellular forensic tool successfully completes acquisition of the target device then all known graphics associated with address book entries shall be presented in a human-readable format without modification.	1	
A_IM–13 If a cellular forensic tool successfully completes acquisition of the target device then all known datebook, calendar, note entries shall be presented in a human-readable format without modification.	1	
A_IM–14 If a cellular forensic tool successfully completes acquisition of the target device then all maximum length datebook, calendar, note entries shall be presented in a human readable format without modification.	1	
A_IM–20 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone audio files shall be playable via either an internal application or suggested third-party application without modification.	1	
A_IM–21 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone image files shall be viewable via either an internal application or suggested third-party application without modification.	1	
A_IM–22 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone video files shall be viewable via either an internal application or suggested third-party application without modification.	1	
A_IMO–23 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification via supported generated report formats.	4	
A_IMO–24 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification in a preview-pane view.	4	
A_IMO–25 If a cellular forensic tool provides a preview-pane view and a generated report of the acquired data then the reports shall maintain consistency of all reported data elements.	1	
A_IMO–26 If modification is attempted to the case file or individual data elements via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification.	1	
A_IMO–37 If the cellular forensic tool supports proper display of foreign language character sets then the application should present address book entries containing foreign language characters in their native format without modification.	1	
A_IMO–38 If the cellular forensic tool supports proper display of foreign language character sets then the application should present	1	

text messages containing foreign language characters in their native format without modification.		
A_IMO–39 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 3b: Assertions Tested (Motorola V710)

Assertions Tested	Tests	Anomaly
A_IM–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).	9	
A_IM–02 If a cellular forensic tool attempts to connect to a nonsupported device then the tool shall have the ability to identify that the device is not supported.	1	
A_IM–03 If a cellular forensic tool encounters disengagement between the device and application then the application shall notify the user that connectivity has been disrupted.	1	
A_IM–04 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall have the ability to present acquired data elements in a human-readable format via either a preview pane or generated report.	7	
A_IM–05 If a cellular forensic tool successfully completes acquisition of the target device then subscriber related information shall be presented in a human-readable format without modification.	1	
A_IM–06 If a cellular forensic tool successfully completes acquisition of the target device then equipment related information shall be presented in a human-readable format without modification.	1	
A_IM–07 If a cellular forensic tool successfully completes acquisition of the target device then all known address book entries shall be presented in a human-readable format without modification.	1	
A_IM–08 If a cellular forensic tool successfully completes acquisition of the target device then all known maximum length address book entries shall be presented in a human-readable format without modification.	1	
A_IM–09 If a cellular forensic tool successfully completes acquisition of the target device then all known address book entries containing special characters shall be presented in a human-readable format without modification.	1	
A_IM–10 If a cellular forensic tool successfully completes acquisition of the target device then all known address book entries containing blank names shall be presented in a human-readable format without modification.	1	
A_IM–11 If a cellular forensic tool successfully completes acquisition of the target device then all known e-mail addresses associated with address book entries shall be presented in a human-readable format	1	

without modification.		
A_IM–12 If a cellular forensic tool successfully completes acquisition of the target device then all known graphics associated with address book entries shall be presented in a human-readable format without modification.	1	
A_IM–13 If a cellular forensic tool successfully completes acquisition of the target device then all known datebook, calendar, note entries shall be presented in a human-readable format without modification.	1	
A_IM–14 If a cellular forensic tool successfully completes acquisition of the target device then all maximum length datebook, calendar, note entries shall be presented in a human readable format without modification.	1	
A_IM–15 If a cellular forensic tool successfully completes acquisition of the target device then all call logs (incoming/outgoing) shall be presented in a human-readable format without modification.	1	3.3
A_IM–16 If a cellular forensic tool successfully completes acquisition of the target device then all text messages (i.e., SMS, EMS) messages shall be presented in a human-readable format without modification.	1	3.4
A_IM–17 If a cellular forensic tool successfully completes acquisition of the target device then all MMS messages and associated audio shall be presented properly without modification.	1	
A_IM–18 If a cellular forensic tool successfully completes acquisition of the target device then all MMS messages and associated images shall be presented properly without modification.	1	
A_IM–19 If a cellular forensic tool successfully completes acquisition of the target device then all MMS messages and associated video shall be presented properly without modification.	1	
A_IM–20 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone audio files shall be playable via either an internal application or suggested third-party application without modification.	1	
A_IM–21 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone image files shall be viewable via either an internal application or suggested third-party application without modification.	1	
A_IM–22 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone video files shall be viewable via either an internal application or suggested third-party application without modification.	1	
A_IMO–23 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification via supported generated report formats.	4	
A_IMO–24 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification in a preview-pane view.	4	
A_IMO–25 If a cellular forensic tool provides a preview-pane view and	1	

a generated report of the acquired data then the reports shall maintain consistency of all reported data elements.		
A_IMO–26 If modification is attempted to the case file or individual data elements via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification.	1	
A_IMO–37 If the cellular forensic tool supports proper display of foreign language character sets then the application should present address book entries containing foreign language characters in their native format without modification.	1	
A_IMO–38 If the cellular forensic tool supports proper display of foreign language character sets then the application should present text messages containing foreign language characters in their native format without modification.	1	
A_IMO–39 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 3c: Assertions Tested (Samsung SCH–u410)

Assertions Tested	Tests	Anomaly
A_IM–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).	5	
A_IM–02 If a cellular forensic tool attempts to connect to a nonsupported device then the tool shall have the ability to identify that the device is not supported.	1	
A_IM–03 If a cellular forensic tool encounters disengagement between the device and application then the application shall notify the user that connectivity has been disrupted.	1	
A_IM–04 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall have the ability to present acquired data elements in a human-readable format via either a preview pane or generated report.	3	
A_IM–05 If a cellular forensic tool successfully completes acquisition of the target device then subscriber related information shall be presented in a human-readable format without modification.	1	3.2
A_IM–06 If a cellular forensic tool successfully completes acquisition of the target device then equipment related information shall be presented in a human-readable format without modification.	1	
A_IM–20 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone audio files shall be playable via either an internal application or suggested third-party application without modification.	1	
A_IM–21 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone image files shall be viewable via either an internal application or suggested third-party application	1	

without modification.		
A_IM–22 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone video files shall be viewable via either an internal application or suggested third-party application without modification.	1	
A_IMO–23 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification via supported generated report formats.	5	
A_IMO–24 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification in a preview-pane view.	5	
A_IMO–25 If a cellular forensic tool provides a preview-pane view and a generated report of the acquired data then the reports shall maintain consistency of all reported data elements.	1	
A_IMO–26 If modification is attempted to the case file or individual data elements via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification.	1	
A_IMO–27 If the cellular forensic tool supports a physical acquisition of the target device then the tool shall successfully complete the acquisition and present the data in a human-readable format.	1	
A_IMO–37 If the cellular forensic tool supports proper display of foreign language character sets then the application should present address book entries containing foreign language characters in their native format without modification.	1	
A_IMO–38 If the cellular forensic tool supports proper display of foreign language character sets then the application should present text messages containing foreign language characters in their native format without modification.	1	
A_IMO–39 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 3d: Assertions Tested (Samsung SCH–u740)

Assertions Tested	Tests	Anomaly
A_IM–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).	6	
A_IM–02 If a cellular forensic tool attempts to connect to a nonsupported device then the tool shall have the ability to identify that the device is not supported.	1	
A_IM–03 If a cellular forensic tool encounters disengagement between the device and application then the application shall notify the user that connectivity has been disrupted.	1	
A_IM–04 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall have the ability to present	4	

acquired data elements in a human-readable format via either a preview pane or generated report.		
A_IM–05 If a cellular forensic tool successfully completes acquisition of the target device then subscriber related information shall be presented in a human-readable format without modification.	1	3.2
A_IM–06 If a cellular forensic tool successfully completes acquisition of the target device then equipment related information shall be presented in a human-readable format without modification.	1	
A_IM–15 If a cellular forensic tool successfully completes acquisition of the target device then all call logs (incoming/outgoing) shall be presented in a human-readable format without modification.	1	
A_IM–20 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone audio files shall be playable via either an internal application or suggested third-party application without modification.	1	
A_IM–21 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone image files shall be viewable via either an internal application or suggested third-party application without modification.	1	
A_IM–22 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone video files shall be viewable via either an internal application or suggested third-party application without modification.	1	
A_IMO–23 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification via supported generated report formats.	4	
A_IMO–24 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification in a preview-pane view.	4	
A_IMO–25 If a cellular forensic tool provides a preview-pane view and a generated report of the acquired data then the reports shall maintain consistency of all reported data elements.	1	
A_IMO–26 If modification is attempted to the case file or individual data elements via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification.	1	
A_IMO–37 If the cellular forensic tool supports proper display of foreign language character sets then the application should present address book entries containing foreign language characters in their native format without modification.	1	
A_IMO–38 If the cellular forensic tool supports proper display of foreign language character sets then the application should present text messages containing foreign language characters in their native format without modification.	1	
A_IMO–39 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 3e: Assertions Tested (Samsung SPH–a660)

Assertions Tested	Tests	Anomaly
A_IM–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).	5	
A_IM–02 If a cellular forensic tool attempts to connect to a nonsupported device then the tool shall have the ability to identify that the device is not supported.	1	
A_IM–03 If a cellular forensic tool encounters disengagement between the device and application then the application shall notify the user that connectivity has been disrupted.	1	
A_IM–04 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall have the ability to present acquired data elements in a human-readable format via either a preview pane or generated report.	3	
A_IM–05 If a cellular forensic tool successfully completes acquisition of the target device then subscriber related information shall be presented in a human-readable format without modification.	1	3.2
A_IM–06 If a cellular forensic tool successfully completes acquisition of the target device then equipment related information shall be presented in a human-readable format without modification.	1	
A_IM–07 If a cellular forensic tool successfully completes acquisition of the target device then all known address book entries shall be presented in a human-readable format without modification.	1	
A_IM–08 If a cellular forensic tool successfully completes acquisition of the target device then all known maximum length address book entries shall be presented in a human-readable format without modification.	1	
A_IM–09 If a cellular forensic tool successfully completes acquisition of the target device then all known address book entries containing special characters shall be presented in a human-readable format without modification.	1	
A_IM–10 If a cellular forensic tool successfully completes acquisition of the target device then all known address book entries containing blank names shall be presented in a human-readable format without modification.	1	
A_IM–11 If a cellular forensic tool successfully completes acquisition of the target device then all known e-mail addresses associated with address book entries shall be presented in a human-readable format without modification.	1	
A_IM–12 If a cellular forensic tool successfully completes acquisition of the target device then all known graphics associated with address	1	

book entries shall be presented in a human-readable format without modification.		
A_IM–13 If a cellular forensic tool successfully completes acquisition of the target device then all known datebook, calendar, note entries shall be presented in a human-readable format without modification.	1	
A_IM–14 If a cellular forensic tool successfully completes acquisition of the target device then all maximum length datebook, calendar, note entries shall be presented in a human readable format without modification.	1	
A_IMO–23 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification via supported generated report formats.	4	
A_IMO–24 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification in a preview-pane view.	4	
A_IMO–25 If a cellular forensic tool provides a preview-pane view and a generated report of the acquired data then the reports shall maintain consistency of all reported data elements.	1	
A_IMO–26 If modification is attempted to the case file or individual data elements via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification.	1	
A_IMO–37 If the cellular forensic tool supports proper display of foreign language character sets then the application should present address book entries containing foreign language characters in their native format without modification.	1	
A_IMO–38 If the cellular forensic tool supports proper display of foreign language character sets then the application should present text messages containing foreign language characters in their native format without modification.	1	
A_IMO–39 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 a-e list the assertions that were not tested, usually due to the tool not supporting an optional feature.

Table 4a: Assertions Not Tested (LG VX5400, LG VX6100)

Assertions not Tested
A_IM–15 If a cellular forensic tool successfully completes acquisition of the target device then all call logs (incoming/outgoing) shall be presented in a human-readable format without modification.
A_IM–16 If a cellular forensic tool successfully completes acquisition of the target device then all text messages (i.e., SMS, EMS) messages shall be presented in a human-readable format without modification.
A_IM–17 If a cellular forensic tool successfully completes acquisition of the target device

then all MMS messages and associated audio shall be presented properly without modification.
A_IM–18 If a cellular forensic tool successfully completes acquisition of the target device then all MMS messages and associated images shall be presented properly without modification.
A_IM–19 If a cellular forensic tool successfully completes acquisition of the target device then all MMS messages and associated video shall be presented properly without modification.
A_IMO–27 If the cellular forensic tool supports a physical acquisition of the target device then the tool shall successfully complete the acquisition and present the data in a human-readable format.
A_IMO–28 If the cellular forensic tool supports a physical acquisition of address book entries present on the target device then the tool shall report recoverable deleted entries or data remnants in a human-readable format.
A_IMO–29 If the cellular forensic tool supports a physical acquisition of calendar, tasks, or notes present on the target device then the tool shall report recoverable deleted calendar, tasks, or note entries or data remnants in a human-readable format.
A_IMO–30 If the cellular forensic tool supports a physical acquisition of call logs present on the target device then the tool shall report recoverable deleted call log data or data remnants in a human-readable format.
A_IMO–31 If the cellular forensic tool supports a physical acquisition of SMS messages present on the target device then the tool shall report recoverable deleted SMS messages or SMS message data remnants in a human-readable format.
A_IMO–32 If the cellular forensic tool supports a physical acquisition of EMS messages present on the target device then the tool shall report recoverable deleted EMS messages or EMS message data remnants in a human-readable format.
A_IMO–33 If the cellular forensic tool supports a physical acquisition of audio files present on the target device then the tool shall report recoverable deleted audio data or audio file data remnants in a human-readable format.
A_IMO–34 If the cellular forensic tool supports a physical acquisition of graphic files present on the target device then the tool shall report recoverable deleted graphic file data or graphic file data remnants in a human-readable format.
A_IMO–35 If the cellular forensic tool supports a physical acquisition of video files present on the target device then the tool shall report recoverable deleted video file data or video file data remnants in a human-readable format.
A_IMO–36 If the cellular forensic tool supports log creation then the application should present the log files consistent with the application documentation (e.g., outlining the acquisition process).
A_IMO–40 If the cellular forensic tool supports hashing the overall case file then the tool shall present the user with one hash value representing the entire case data.

Table 4b: Assertions Not Tested (Motorola V710)

Assertions not Tested
A_IMO–27 If the cellular forensic tool supports a physical acquisition of the target device then the tool shall successfully complete the acquisition and present the data in a human-

readable format.
A_IMO–28 If the cellular forensic tool supports a physical acquisition of address book entries present on the target device then the tool shall report recoverable deleted entries or data remnants in a human-readable format.
A_IMO–29 If the cellular forensic tool supports a physical acquisition of calendar, tasks, or notes present on the target device then the tool shall report recoverable deleted calendar, tasks, or note entries or data remnants in a human-readable format.
A_IMO–30 If the cellular forensic tool supports a physical acquisition of call logs present on the target device then the tool shall report recoverable deleted call log data or data remnants in a human-readable format.
A_IMO–31 If the cellular forensic tool supports a physical acquisition of SMS messages present on the target device then the tool shall report recoverable deleted SMS messages or SMS message data remnants in a human-readable format.
A_IMO–32 If the cellular forensic tool supports a physical acquisition of EMS messages present on the target device then the tool shall report recoverable deleted EMS messages or EMS message data remnants in a human-readable format.
A_IMO–33 If the cellular forensic tool supports a physical acquisition of audio files present on the target device then the tool shall report recoverable deleted audio data or audio file data remnants in a human-readable format.
A_IMO–34 If the cellular forensic tool supports a physical acquisition of graphic files present on the target device then the tool shall report recoverable deleted graphic file data or graphic file data remnants in a human-readable format.
A_IMO–35 If the cellular forensic tool supports a physical acquisition of video files present on the target device then the tool shall report recoverable deleted video file data or video file data remnants in a human-readable format.
A_IMO–36 If the cellular forensic tool supports log creation then the application should present the log files consistent with the application documentation (e.g., outlining the acquisition process).
A_IMO–40 If the cellular forensic tool supports hashing the overall case file then the tool shall present the user with one hash value representing the entire case data.

Table 4c: Assertions Not Tested (Samsung SCH–u410)

Assertions not Tested
A_IM–07 If a cellular forensic tool successfully completes acquisition of the target device then all known address book entries shall be presented in a human-readable format without modification.
A_IM–08 If a cellular forensic tool successfully completes acquisition of the target device then all known maximum length address book entries shall be presented in a human-readable format without modification.
A_IM–09 If a cellular forensic tool successfully completes acquisition of the target device then all known address book entries containing special characters shall be presented in a human-readable format without modification.
A_IM–10 If a cellular forensic tool successfully completes acquisition of the target device then all known address book entries containing blank names shall be presented in a human-readable format without modification.

A_IM–11 If a cellular forensic tool successfully completes acquisition of the target device then all known e-mail addresses associated with address book entries shall be presented in a human-readable format without modification.
A_IM–12 If a cellular forensic tool successfully completes acquisition of the target device then all known graphics associated with address book entries shall be presented in a human-readable format without modification.
A_IM–13 If a cellular forensic tool successfully completes acquisition of the target device then all known datebook, calendar, note entries shall be presented in a human-readable format without modification.
A_IM–14 If a cellular forensic tool successfully completes acquisition of the target device then all maximum length datebook, calendar, note entries shall be presented in a human readable format without modification.
A_IM–15 If a cellular forensic tool successfully completes acquisition of the target device then all call logs (incoming/outgoing) shall be presented in a human-readable format without modification.
A_IM–16 If a cellular forensic tool successfully completes acquisition of the target device then all text messages (i.e., SMS, EMS) messages shall be presented in a human-readable format without modification.
A_IM–17 If a cellular forensic tool successfully completes acquisition of the target device then all MMS messages and associated audio shall be presented properly without modification.
A_IM–18 If a cellular forensic tool successfully completes acquisition of the target device then all MMS messages and associated images shall be presented properly without modification.
A_IM–19 If a cellular forensic tool successfully completes acquisition of the target device then all MMS messages and associated video shall be presented properly without modification.
A_IMO–28 If the cellular forensic tool supports a physical acquisition of address book entries present on the target device then the tool shall report recoverable deleted entries or data remnants in a human-readable format.
A_IMO–29 If the cellular forensic tool supports a physical acquisition of calendar, tasks, or notes present on the target device then the tool shall report recoverable deleted calendar, tasks, or note entries or data remnants in a human-readable format.
A_IMO–30 If the cellular forensic tool supports a physical acquisition of call logs present on the target device then the tool shall report recoverable deleted call log data or data remnants in a human-readable format.
A_IMO–31 If the cellular forensic tool supports a physical acquisition of SMS messages present on the target device then the tool shall report recoverable deleted SMS messages or SMS message data remnants in a human-readable format.
A_IMO–32 If the cellular forensic tool supports a physical acquisition of EMS messages present on the target device then the tool shall report recoverable deleted EMS messages or EMS message data remnants in a human-readable format.
A_IMO–33 If the cellular forensic tool supports a physical acquisition of audio files present on the target device then the tool shall report recoverable deleted audio data or audio file data remnants in a human-readable format.
A_IMO–34 If the cellular forensic tool supports a physical acquisition of graphic files

present on the target device then the tool shall report recoverable deleted graphic file data or graphic file data remnants in a human-readable format.
A_IMO–35 If the cellular forensic tool supports a physical acquisition of video files present on the target device then the tool shall report recoverable deleted video file data or video file data remnants in a human-readable format.
A_IMO–36 If the cellular forensic tool supports log creation then the application should present the log files consistent with the application documentation (e.g., outlining the acquisition process).
A_IMO–40 If the cellular forensic tool supports hashing the overall case file then the tool shall present the user with one hash value representing the entire case data.

Table 4d: Assertions Not Tested (Samsung SCH–u740)

Assertions not Tested
A_IM–07 If a cellular forensic tool successfully completes acquisition of the target device then all known address book entries shall be presented in a human-readable format without modification.
A_IM–08 If a cellular forensic tool successfully completes acquisition of the target device then all known maximum length address book entries shall be presented in a human-readable format without modification.
A_IM–09 If a cellular forensic tool successfully completes acquisition of the target device then all known address book entries containing special characters shall be presented in a human-readable format without modification.
A_IM–10 If a cellular forensic tool successfully completes acquisition of the target device then all known address book entries containing blank names shall be presented in a human-readable format without modification.
A_IM–11 If a cellular forensic tool successfully completes acquisition of the target device then all known e-mail addresses associated with address book entries shall be presented in a human-readable format without modification.
A_IM–12 If a cellular forensic tool successfully completes acquisition of the target device then all known graphics associated with address book entries shall be presented in a human-readable format without modification.
A_IM–13 If a cellular forensic tool successfully completes acquisition of the target device then all known datebook, calendar, note entries shall be presented in a human-readable format without modification.
A_IM–14 If a cellular forensic tool successfully completes acquisition of the target device then all maximum length datebook, calendar, note entries shall be presented in a human readable format without modification.
A_IM–16 If a cellular forensic tool successfully completes acquisition of the target device then all text messages (i.e., SMS, EMS) messages shall be presented in a human-readable format without modification.
A_IM–17 If a cellular forensic tool successfully completes acquisition of the target device then all MMS messages and associated audio shall be presented properly without modification.
A_IM–18 If a cellular forensic tool successfully completes acquisition of the target device then all MMS messages and associated images shall be presented properly without

modification.
A_IM–19 If a cellular forensic tool successfully completes acquisition of the target device then all MMS messages and associated video shall be presented properly without modification.
A_IMO–27 If the cellular forensic tool supports a physical acquisition of the target device then the tool shall successfully complete the acquisition and present the data in a human-readable format.
A_IMO–28 If the cellular forensic tool supports a physical acquisition of address book entries present on the target device then the tool shall report recoverable deleted entries or data remnants in a human-readable format.
A_IMO–29 If the cellular forensic tool supports a physical acquisition of calendar, tasks, or notes present on the target device then the tool shall report recoverable deleted calendar, tasks, or note entries or data remnants in a human-readable format.
A_IMO–30 If the cellular forensic tool supports a physical acquisition of call logs present on the target device then the tool shall report recoverable deleted call log data or data remnants in a human-readable format.
A_IMO–31 If the cellular forensic tool supports a physical acquisition of SMS messages present on the target device then the tool shall report recoverable deleted SMS messages or SMS message data remnants in a human-readable format.
A_IMO–32 If the cellular forensic tool supports a physical acquisition of EMS messages present on the target device then the tool shall report recoverable deleted EMS messages or EMS message data remnants in a human-readable format.
A_IMO–33 If the cellular forensic tool supports a physical acquisition of audio files present on the target device then the tool shall report recoverable deleted audio data or audio file data remnants in a human-readable format.
A_IMO–34 If the cellular forensic tool supports a physical acquisition of graphic files present on the target device then the tool shall report recoverable deleted graphic file data or graphic file data remnants in a human-readable format.
A_IMO–35 If the cellular forensic tool supports a physical acquisition of video files present on the target device then the tool shall report recoverable deleted video file data or video file data remnants in a human-readable format.
A_IMO–36 If the cellular forensic tool supports log creation then the application should present the log files consistent with the application documentation (e.g., outlining the acquisition process).
A_IMO–40 If the cellular forensic tool supports hashing the overall case file then the tool shall present the user with one hash value representing the entire case data.

Table 4e: Assertions Not Tested (Samsung SPH–a660)

Assertions not Tested
A_IM–15 If a cellular forensic tool successfully completes acquisition of the target device then all call logs (incoming/outgoing) shall be presented in a human-readable format without modification.
A_IM–16 If a cellular forensic tool successfully completes acquisition of the target device then all text messages (i.e., SMS, EMS) messages shall be presented in a human-readable format without modification.

A_IM–17 If a cellular forensic tool successfully completes acquisition of the target device then all MMS messages and associated audio shall be presented properly without modification.
A_IM–18 If a cellular forensic tool successfully completes acquisition of the target device then all MMS messages and associated images shall be presented properly without modification.
A_IM–19 If a cellular forensic tool successfully completes acquisition of the target device then all MMS messages and associated video shall be presented properly without modification.
A_IM–20 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone audio files shall be playable via either an internal application or suggested third-party application without modification.
A_IM–21 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone image files shall be viewable via either an internal application or suggested third-party application without modification.
A_IM–22 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone video files shall be viewable via either an internal application or suggested third-party application without modification.
A_IMO–27 If the cellular forensic tool supports a physical acquisition of the target device then the tool shall successfully complete the acquisition and present the data in a human-readable format.
A_IMO–28 If the cellular forensic tool supports a physical acquisition of address book entries present on the target device then the tool shall report recoverable deleted entries or data remnants in a human-readable format.
A_IMO–29 If the cellular forensic tool supports a physical acquisition of calendar, tasks, or notes present on the target device then the tool shall report recoverable deleted calendar, tasks, or note entries or data remnants in a human-readable format.
A_IMO–30 If the cellular forensic tool supports a physical acquisition of call logs present on the target device then the tool shall report recoverable deleted call log data or data remnants in a human-readable format.
A_IMO–31 If the cellular forensic tool supports a physical acquisition of SMS messages present on the target device then the tool shall report recoverable deleted SMS messages or SMS message data remnants in a human-readable format.
A_IMO–32 If the cellular forensic tool supports a physical acquisition of EMS messages present on the target device then the tool shall report recoverable deleted EMS messages or EMS message data remnants in a human-readable format.
A_IMO–33 If the cellular forensic tool supports a physical acquisition of audio files present on the target device then the tool shall report recoverable deleted audio data or audio file data remnants in a human-readable format.
A_IMO–34 If the cellular forensic tool supports a physical acquisition of graphic files present on the target device then the tool shall report recoverable deleted graphic file data or graphic file data remnants in a human-readable format.
A_IMO–35 If the cellular forensic tool supports a physical acquisition of video files present on the target device then the tool shall report recoverable deleted video file data or video file data remnants in a human-readable format.
A_IMO–36 If the cellular forensic tool supports log creation then the application should

present the log files consistent with the application documentation (e.g., outlining the acquisition process).
A_IMO–40 If the cellular forensic tool supports hashing the overall case file then the tool shall present the user with one hash value representing the entire case data.

3.1 Connectivity Disruption

When disengaging the LG VX6100 by pulling the cable from either the device or the Cellebrite unit, the examiner is not informed of a connectivity error.

3.2 Acquisition of MSISDN

The MIN is reported instead of the MSISDN for the following Samsung devices models: SCH–u410, SCH–u740, and the SPH–a660.

3.3 Acquisition of Missed Calls

When acquiring the internal memory from the Motorola V710 missed calls are reported as both “Incoming” and “Missed”, representing two calls rather than one.

3.4 Acquisition of text messages

Text messages with a status of “Unread” are modified to “Read” after an internal memory acquisition for the Motorola V710.

All outgoing text messages present in the internal memory of the Motorola V710 were not reported. The outgoing messages that the Cellebrite unit did report failed to include date/time stamp information.

4 Testing Environment

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

4.1 Test Computers

One test computer was used.

Morrisy has the following configuration:

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

5 Test Results

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

5.1 Test Results Report Key

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

Table 4 Test Results Report Key

Heading	Description
First Line:	Test case ID, name, and version of tool tested.
Case Summary:	Test case summary from *Non-GSM Mobile Tool Test Assertions and Test Plan Version 1.1*.
Assertions:	The test assertions applicable to the test case, selected from *Non-GSM Mobile Device Tool Test Assertions and Test Plan Version 1.1*.
Tester Name:	Name or initials of person executing test procedure.
Test Host:	Host computer executing the test.
Test Date:	Time and date that test was started.
Device:	Source mobile device, media (i.e., SIM).
Source Setup:	Outline of data object types populated on the device.
Log Highlights:	Information extracted from various log files to illustrate conformance or nonconformance to the test assertions.
Results	Expected and actual results for each assertion tested.
Analysis	Whether or not the expected results were achieved.

5.2 Test Details

5.2.1 CFT-IM-01 (LG VX5400)

Test Case CFT-IM-01 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-01 Acquire mobile device internal memory over supported interfaces (e.g., cable, Bluetooth, IrDA).
Assertions:	A_IM-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).
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 08:12:03 EST 2009
Device:	LG_VX5400
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Test Case CFT-IM-01 Cellebrite Version 1.1.0.5	
Log Highlights:	Created By Cellebrite 1.1.0.5 UFED Acquisition started: Wed Jan 7 08:12:03 EST 2009 Acquisition finished: Wed Jan 7 08:16:42 EST 2009 Device connectivity was established via supported interface
Results:	**Assertion & Expected Result** / **Actual Result** A_IM-01 Device connectivity via supported interfaces. / as expected
Analysis:	Expected results achieved

5.2.2 CFT-IM-02 (LG VX5400)

Test Case CFT-IM-02 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-02 Attempt internal memory acquisition of a non-supported mobile device.
Assertions:	A_IM-02 If a cellular forensic tool attempts to connect to a non-supported device then the tool shall have the ability to identify that the device is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 08:23:27 EST 2009
Device:	non_supported_device
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log	Created By Cellebrite 1.1.0.5 UFED

Test Case CFT-IM-02 Cellebrite Version 1.1.0.5	
Highlights:	Acquisition started: Wed Jan 7 08:23:27 EST 2009 Acquisition finished: Wed Jan 7 08:25:00 EST 2009 Identification of non-supported devices was successful
Results:	

Assertion & Expected Result	Actual Result
A_IM-02 Identification of non-supported devices.	as expected

Analysis:	Expected results achieved

5.2.3 CFT-IM-03 (LG VX5400)

Test Case CFT-IM-03 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.
Assertions:	A_IM-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). A_IM-03 If a cellular forensic tool encounters disengagement between the device and application then the application shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 08:26:19 EST 2009
Device:	LG_VX5400
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Test Case CFT-IM-03 Cellebrite Version 1.1.0.5	
Log Highlights:	Created By Cellebrite 1.1.0.5 UFED Acquisition started: Wed Jan 7 08:26:19 EST 2009 Acquisition finished: Wed Jan 7 08:33:53 EST 2009 Device connectivity was established via supported interface Device acquisition disruption notification was successful
Results:	
Analysis:	Expected results achieved

Assertion & Expected Result	Actual Result
A_IM-01 Device connectivity via supported interfaces.	as expected
A_IM-03 Notification of device acquisition disruption.	as expected

5.2.4 CFT-IM-04 (LG VX5400)

Test Case CFT-IM-04 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-04 Acquire mobile device internal memory and review reported data via the preview-pane or generated reports for readability.
Assertions:	A_IM-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). A_IM-04 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall have the ability to present acquired data elements in a human-readable format via either a preview-pane or generated report.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 08:34:59 EST 2009
Device:	LG_VX5400
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

<table>
<tr><th colspan="2">Test Case CFT-IM-04 Cellebrite Version 1.1.0.5</th></tr>
<tr><td></td><td></td></tr>
<tr><td>Log Highlights:</td><td>Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Wed Jan 7 08:34:59 EST 2009
Acquisition finished: Wed Jan 7 08:39:49 EST 2009

Device connectivity was established via supported interface
Readability and completeness of acquired data was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>A_IM-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr>
<tr><td>A_IM-04 Readability and completeness of acquired data via supported reports.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.5 CFT-IM-05 (LG VX5400)

Test Case CFT-IM-05 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-05 Acquire mobile device internal memory and review reported subscriber and equipment related information (i.e., MEID, MSISDN).
Assertions:	A_IM-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). A_IM-04 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall have the ability to present acquired data elements in a human-readable format via either a preview-pane or generated report. A_IM-05 If a cellular forensic tool successfully completes acquisition of the target device then subscriber related information shall be presented in a human-readable format without modification. A_IM-06 If a cellular forensic tool successfully completes acquisition of the target device then equipment related information shall be presented in a human-readable format without modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 08:40:47 EST 2009
Device:	LG_VX5400
Source Setup:	OS: WIN XP Interface: USB

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	

Test Case CFT-IM-05 Cellebrite Version 1.1.0.5	

	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log Highlights:	Created By Cellebrite 1.1.0.5 UFED Acquisition started: Wed Jan 7 08:40:47 EST 2009 Acquisition finished: Wed Jan 7 08:44:48 EST 2009 Device connectivity was established via supported interface Readability and completeness of acquired data was successful Subscriber and Equipment related data (i.e., MSISDN, MEID) were acquired
Results:	

Assertion & Expected Result	**Actual Result**
A_IM-01 Device connectivity via supported interfaces.	as expected
A_IM-04 Readability and completeness of acquired data via supported reports.	as expected
A_IM-05 Acquisition of MSISDN.	as expected
A_IM-06 Acquisition of MEID.	as expected

Analysis:	Expected results achieved

5.2.6 CFT-IM-06 (LG VX5400)

Test Case CFT-IM-06 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-06 Acquire mobile device internal memory and review reported PIM related data.
Assertions:	A_IM-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). A_IM-04 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall have the ability to present acquired data elements in a human-readable format via either a preview-pane or generated report. A_IM-07 If a cellular forensic tool successfully completes acquisition of the target device then all known address book entries shall be presented in a human-readable format without modification. A_IM-08 If a cellular forensic tool successfully completes acquisition of the target device then all known maximum length address book entries shall be presented in a human-readable format without modification. A_IM-09 If a cellular forensic tool successfully completes acquisition of the target device then all known address book entries containing special characters shall be presented in a human-readable format without modification. A_IM-10 If a cellular forensic tool successfully completes acquisition of the target device then all known address book entries containing blank names shall be presented in a human-readable format without modification. A_IM-11 If a cellular forensic tool successfully completes acquisition of the target device then all known email addresses associated with address book entries shall be presented in a human-readable format without modification. A_IM-12 If a cellular forensic tool successfully completes acquisition of the target device then all known graphics associated with address book entries shall be presented in a human-readable format without modification. A_IM-13 If a cellular forensic tool successfully completes acquisition of the target device then all known datebook, calendar, note entries shall be presented in a human-readable format without modification. A_IM-14 If a cellular forensic tool successfully completes acquisition of the target device then all maximum length datebook, calendar, note entries shall be presented in a human readable format without modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 08:46:34 EST 2009
Device:	LG_VX5400
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	

Test Case CFT-IM-06 Cellebrite Version 1.1.0.5

	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log Highlights:

Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Wed Jan 7 08:46:34 EST 2009
Acquisition finished: Wed Jan 7 08:47:34 EST 2009

Device connectivity was established via supported interface
Readability and completeness of acquired data was successful
All address book entries were successfully acquired
Basic PIM related data was not acquired - NOT SUPPORTED
Maximum length PIM related data was not acquired - NOT SUPPORTED

Notes:
Acquisition of PIM related data is NOT supported.

Results:

Assertion & Expected Result	**Actual Result**
A_IM-01 Device connectivity via supported interfaces.	as expected
A_IM-04 Readability and completeness of acquired data via supported reports.	as expected
A_IM-07 Acquisition of address book entries.	as expected
A_IM-08 Acquisition of maximum length address book entries.	as expected
A_IM-09 Acquisition of address book entries containing special characters.	as expected
A_IM-10 Acquisition of address book entries containing a blank name entry.	as expected
A_IM-11 Acquisition of embedded email addresses within address book entries.	as expected
A_IM-12 Acquisition of embedded graphics within address book entries.	as expected
A_IM-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	Not supported
A_IM-14 Acquisition of maximum length PIM data.	Not supported

Analysis: Expected results achieved

5.2.7 CFT-IM-10 (LG VX5400)

Test Case CFT-IM-10 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-10 Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).
Assertions:	A_IM-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). A_IM-04 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall have the ability to present acquired data elements in a human-readable format via either a preview-pane or generated report. A_IM-20 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone audio files shall be playable via either an internal application or suggested third-party application without modification. A_IM-21 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone image files shall be viewable via either an internal application or suggested third-party application without modification. A_IM-22 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone video files shall be viewable via either an internal application or suggested third-party application without modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 09:02:03 EST 2009
Device:	LG_VX5400
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio

Test Case CFT-IM-10 Cellebrite Version 1.1.0.5

	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log Highlights:

Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Wed Jan 7 09:02:03 EST 2009
Acquisition finished: Wed Jan 7 09:05:53 EST 2009

Device connectivity was established via supported interface
Readability and completeness of acquired data was successful
Audio files were acquired
Image files were acquired
Video files were not acquired – Video NOT supported by Mobile Device

Notes:
Acquisition of video files is NOT supported by Mobile Device.

Results:

Assertion & Expected Result	**Actual Result**
A_IM-01 Device connectivity via supported interfaces.	as expected
A_IM-04 Readability and completeness of acquired data via supported reports.	as expected
A_IM-20 Acquisition of stand-alone audio files.	as expected
A_IM-21 Acquisition of stand-alone graphic files.	as expected
A_IM-22 Acquisition of stand-alone video files.	NA

Analysis: Expected results achieved

5.2.8 CFT-IMO-01 (LG VX5400)

Test Case CFT-IMO-01 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-01 Acquire mobile device internal memory and review reported data via supported generated report formats.
Assertions:	A_IMO-23 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification via supported generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 09:08:42 EST 2009
Device:	LG_VX5400
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log	Created By Cellebrite 1.1.0.5 UFED

Test Case CFT-IMO-01 Cellebrite Version 1.1.0.5	
Highlights:	Acquisition started: Wed Jan 7 09:08:42 EST 2009 Complete representation of known data via generated reports was successful
Results:	

Assertion & Expected Result	**Actual Result**
A_IMO-23 Comparison of known device data elements via generated reports.	as expected

Analysis:	Expected results achieved

5.2.9 CFT-IMO-02 (LG VX5400)

Test Case CFT-IMO-02 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-02 Acquire mobile device internal memory and review reported data via the preview-pane.
Assertions:	A_IMO-24 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification in a preview-pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 09:14:04 EST 2009
Device:	LG_VX5400
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log	Created By Cellebrite 1.1.0.5 UFED

<table>
<tr><th colspan="2">Test Case CFT-IMO-02 Cellebrite Version 1.1.0.5</th></tr>
<tr><td>Highlights:</td><td>Acquisition started: Wed Jan 7 09:14:04 EST 2009
Acquisition finished: Wed Jan 7 09:16:53 EST 2009

Complete representation of known data via preview-pane was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>A_IMO-24 Comparison of known device data elements via preview-pane.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.10 CFT-IMO-03 (LG VX5400)

Test Case CFT-IMO-03 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-03 Acquire mobile device internal memory and compare reported data via the preview-pane and supported generated reports.
Assertions:	A_IMO-23 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification via supported generated report formats. A_IMO-24 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification in a preview-pane view. A_IMO-25 If a cellular forensic tool provides a preview-pane view and a generated report of the acquired data then the reports shall maintain consistency of all reported data elements.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 09:21:33 EST 2009
Device:	LG_VX5400
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video

<table>
<tr><td colspan="2">Test Case CFT-IMO-03 Cellebrite Version 1.1.0.5</td></tr>
<tr><td></td><td><table><tr><td></td><td>Video - Deleted</td></tr></table></td></tr>
<tr><td>Log Highlights:</td><td>Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Wed Jan 7 09:21:33 EST 2009
Acquisition finished: Wed Jan 7 09:23:35 EST 2009

Complete representation of known data via generated reports was successful
Complete representation of known data via preview-pane was successful
Consistency between generated reports and preview-pane was successful</td></tr>
<tr><td>Results:</td><td><table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>A_IMO-23 Comparison of known device data elements via generated reports.</td><td>as expected</td></tr><tr><td>A_IMO-24 Comparison of known device data elements via preview-pane.</td><td>as expected</td></tr><tr><td>A_IMO-25 Compare generated reports and preview-pane views for device acquisition.</td><td>as expected</td></tr></table></td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.11 CFT-IMO-04 (LG VX5400)

Test Case CFT-IMO-04 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-04 After a successful mobile device internal memory acquisition, alter the case file via third party means and attempt to re-open the case.
Assertions:	A_IMO-26 If modification is attempted to the case file or individual data elements via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 09:29:51 EST 2009
Device:	LG_VX5400
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log	Created By Cellebrite 1.1.0.5 UFED

Test Case CFT-IMO-04 Cellebrite Version 1.1.0.5	
Highlights:	Acquisition started: Wed Jan 7 09:29:51 EST 2009 Acquisition finished: Wed Jan 7 09:33:32 EST 2009 Notification of modified case data was successful
Results:	

Assertion & Expected Result	Actual Result
A_IMO-26 Notification of modified device case data.	as expected

5.2.12 CFT-IMO-08 (LG VX5400)

Test Case CFT-IMO-08 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-08 Acquire mobile device internal memory and review data containing foreign language characters.
Assertions:	A_IMO-23 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification via supported generated report formats. A_IMO-24 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification in a preview-pane view. A_IMO-37 If the cellular forensic tool supports proper display of foreign language character sets then the application should present address book entries containing foreign language characters in their native format without modification. A_IMO-38 If the cellular forensic tool supports proper display of foreign language character sets then the application should present text messages containing foreign language characters in their native format without modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 09:48:58 EST 2009
Device:	LG_VX5400
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video

Test Case CFT-IMO-08 Cellebrite Version 1.1.0.5

Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log Highlights:

Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Wed Jan 7 09:48:58 EST 2009
Acquisition finished: Wed Jan 7 09:51:43 EST 2009

Complete representation of known data via generated reports was successful
Complete representation of known data via preview-pane was successful
Foreign character Address book entries were acquired and properly displayed
Foreign character text messages were not acquired - NOT SUPPORTED

Notes:
Acquisition of text messages (i.e. SMS, EMS) is NOT supported.

Results:

Assertion & Expected Result	**Actual Result**
A_IMO-23 Comparison of known device data elements via generated reports.	as expected
A_IMO-24 Comparison of known device data elements via preview-pane.	as expected
A_IMO-37 Acquisition of address book entries containing foreign language characters.	as expected
A_IMO-38 Acquisition of outgoing text messages containing foreign language characters.	Not supported

Analysis: Expected results achieved

5.2.13 CFT-IMO-09 (LG VX5400)

Test Case CFT-IMO-09 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-09 Acquire mobile device internal memory and review hash values for vendor supported data objects.
Assertions:	A_IMO-23 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification via supported generated report formats. A_IMO-24 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification in a preview-pane view. A_IMO-39 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 09:55:24 EST 2009
Device:	LG_VX5400
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video

<table>
<tr><td colspan="2">Test Case CFT-IMO-09 Cellebrite Version 1.1.0.5</td></tr>
<tr><td></td><td><table><tr><td></td><td>Video - Deleted</td></tr></table></td></tr>
<tr><td>Log Highlights:</td><td>Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Wed Jan 7 09:55:24 EST 2009
Acquisition finished: Wed Jan 7 09:58:14 EST 2009

Complete representation of known data via generated reports was successful
Complete representation of known data via preview-pane was successful
Device hash reporting for individual acquired data elements was successful</td></tr>
<tr><td>Results:</td><td><table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>A_IMO-23 Comparison of known device data elements via generated reports.</td><td>as expected</td></tr><tr><td>A_IMO-24 Comparison of known device data elements via preview-pane.</td><td>as expected</td></tr><tr><td>A_IMO-39 Device hash reporting for individual acquired data objects.</td><td>as expected</td></tr></table></td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.14 CFT-IM-01 (LG VX6100)

Test Case CFT-IM-01 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-01 Acquire mobile device internal memory over supported interfaces (e.g., cable, Bluetooth, IrDA).
Assertions:	A_IM-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).
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 12:07:58 EST 2009
Device:	LG_VX6100
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log	Created By Cellebrite 1.1.0.5 UFED

<table>
<tr><th colspan="2">Test Case CFT-IM-01 Cellebrite Version 1.1.0.5</th></tr>
<tr><td>Highlights:</td><td>Acquisition started: Wed Jan 7 12:07:58 EST 2009
Acquisition finished: Wed Jan 7 12:19:07 EST 2009

Device connectivity was established via supported interface</td></tr>
<tr><td>Results:</td><td><table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>A_IM-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr>
</table></td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.15 CFT-IM-02 (LG VX6100)

Test Case CFT-IM-02 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-02 Attempt internal memory acquisition of a non-supported mobile device.
Assertions:	A_IM-02 If a cellular forensic tool attempts to connect to a non-supported device then the tool shall have the ability to identify that the device is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 12:21:59 EST 2009
Device:	non_supported_device
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log	Created By Cellebrite 1.1.0.5 UFED

<table>
<tr><th colspan="2">Test Case CFT-IM-02 Cellebrite Version 1.1.0.5</th></tr>
<tr><td>Highlights:</td><td>Acquisition started: Wed Jan 7 12:21:59 EST 2009
Acquisition finished: Wed Jan 7 12:24:29 EST 2009

Identification of non-supported devices was successful</td></tr>
<tr><td>Results:</td><td><table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>A_IM-02 Identification of non-supported devices.</td><td>as expected</td></tr>
</table></td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.16 CFT-IM-03 (LG VX6100)

Test Case CFT-IM-03 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.
Assertions:	A_IM-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). A_IM-03 If a cellular forensic tool encounters disengagement between the device and application then the application shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 12:28:02 EST 2009
Device:	LG_VX6100
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Test Case CFT-IM-03 Cellebrite Version 1.1.0.5	
Log Highlights:	Created By Cellebrite 1.1.0.5 UFED Acquisition started: Wed Jan 7 12:28:02 EST 2009 Acquisition finished: Wed Jan 7 12:33:28 EST 2009 Device connectivity was established via supported interface Device acquisition disruption notification was not successful **Notes:** The Cellebrite UFED hub does not echo a warning message when connectivity between the device and hub has been disrupted.
Results:	

Assertion & Expected Result	Actual Result
A_IM-01 Device connectivity via supported interfaces.	as expected
A_IM-03 Notification of device acquisition disruption.	Not as expected

Analysis:	Expected results NOT achieved

5.2.17 CFT-IM-04 (LG VX6100)

Test Case CFT-IM-04 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-04 Acquire mobile device internal memory and review reported data via the preview-pane or generated reports for readability.
Assertions:	A_IM-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). A_IM-04 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall have the ability to present acquired data elements in a human-readable format via either a preview-pane or generated report.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 12:43:20 EST 2009
Device:	LG_VX6100
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

<table>
<tr><th colspan="2">Test Case CFT-IM-04 Cellebrite Version 1.1.0.5</th></tr>
<tr><td></td><td></td></tr>
<tr><td>Log Highlights:</td><td>Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Wed Jan 7 12:43:20 EST 2009
Acquisition finished: Wed Jan 7 12:54:02 EST 2009

Device connectivity was established via supported interface
Readability and completeness of acquired data was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>A_IM-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr>
<tr><td>A_IM-04 Readability and completeness of acquired data via supported reports.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.18 CFT-IM-05 (LG VX6100)

Test Case CFT-IM-05 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-05 Acquire mobile device internal memory and review reported subscriber and equipment related information (i.e., MEID, MSISDN).
Assertions:	A_IM-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). A_IM-04 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall have the ability to present acquired data elements in a human-readable format via either a preview-pane or generated report. A_IM-05 If a cellular forensic tool successfully completes acquisition of the target device then subscriber related information shall be presented in a human-readable format without modification. A_IM-06 If a cellular forensic tool successfully completes acquisition of the target device then equipment related information shall be presented in a human-readable format without modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 12:55:10 EST 2009
Device:	LG_VX6100
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	

Test Case CFT-IM-05 Cellebrite Version 1.1.0.5	
	<table><tr><td></td><td>Audio</td></tr><tr><td></td><td>Audio - Deleted</td></tr><tr><td></td><td>Image</td></tr><tr><td></td><td>Image - Deleted</td></tr><tr><td></td><td>Video</td></tr><tr><td></td><td>Video - Deleted</td></tr></table>
Log Highlights:	Created By Cellebrite 1.1.0.5 UFED Acquisition started: Wed Jan 7 12:55:10 EST 2009 Acquisition finished: Wed Jan 7 12:58:02 EST 2009 Device connectivity was established via supported interface Readability and completeness of acquired data was successful Subscriber and Equipment related data (i.e., MSISDN, MEID) were acquired
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>A_IM-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr><tr><td>A_IM-04 Readability and completeness of acquired data via supported reports.</td><td>as expected</td></tr><tr><td>A_IM-05 Acquisition of MSISDN.</td><td>as expected</td></tr><tr><td>A_IM-06 Acquisition of MEID.</td><td>as expected</td></tr></table>
Analysis:	Expected results achieved

5.2.19 CFT-IM-06 (LG VX6100)

Test Case CFT-IM-06 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-06 Acquire mobile device internal memory and review reported PIM related data.
Assertions:	A_IM-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). A_IM-04 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall have the ability to present acquired data elements in a human-readable format via either a preview-pane or generated report. A_IM-07 If a cellular forensic tool successfully completes acquisition of the target device then all known address book entries shall be presented in a human-readable format without modification. A_IM-08 If a cellular forensic tool successfully completes acquisition of the target device then all known maximum length address book entries shall be presented in a human-readable format without modification. A_IM-09 If a cellular forensic tool successfully completes acquisition of the target device then all known address book entries containing special characters shall be presented in a human-readable format without modification. A_IM-10 If a cellular forensic tool successfully completes acquisition of the target device then all known address book entries containing blank names shall be presented in a human-readable format without modification. A_IM-11 If a cellular forensic tool successfully completes acquisition of the target device then all known email addresses associated with address book entries shall be presented in a human-readable format without modification. A_IM-12 If a cellular forensic tool successfully completes acquisition of the target device then all known graphics associated with address book entries shall be presented in a human-readable format without modification. A_IM-13 If a cellular forensic tool successfully completes acquisition of the target device then all known datebook, calendar, note entries shall be presented in a human-readable format without modification. A_IM-14 If a cellular forensic tool successfully completes acquisition of the target device then all maximum length datebook, calendar, note entries shall be presented in a human readable format without modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 12:59:26 EST 2009
Device:	LG_VX6100
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	

Test Case CFT-IM-06 Cellebrite Version 1.1.0.5

	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log Highlights:

Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Wed Jan 7 12:59:26 EST 2009
Acquisition finished: Wed Jan 7 13:03:45 EST 2009

Device connectivity was established via supported interface
Readability and completeness of acquired data was not successful
All address book entries were successfully acquired
Basic PIM related data was not acquired - NOT SUPPORTED
Maximum length PIM related data was not acquired - NOT SUPPORTED

Notes:
Acquisition of PIM related data is NOT supported.

Results:

Assertion & Expected Result	**Actual Result**
A_IM-01 Device connectivity via supported interfaces.	as expected
A_IM-04 Readability and completeness of acquired data via supported reports.	as expected
A_IM-07 Acquisition of address book entries.	as expected
A_IM-08 Acquisition of maximum length address book entries.	as expected
A_IM-09 Acquisition of address book entries containing special characters.	as expected
A_IM-10 Acquisition of address book entries containing a blank name entry.	as expected
A_IM-11 Acquisition of embedded email addresses within address book entries.	as expected
A_IM-12 Acquisition of embedded graphics within address book entries.	as expected
A_IM-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	Not supported
A_IM-14 Acquisition of maximum length PIM data.	Not supported

Analysis: Expected results achieved

5.2.20 CFT-IM-10 (LG VX6100)

Test Case CFT-IM-10 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-10 Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).
Assertions:	A_IM-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). A_IM-04 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall have the ability to present acquired data elements in a human-readable format via either a preview-pane or generated report. A_IM-20 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone audio files shall be playable via either an internal application or suggested third-party application without modification. A_IM-21 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone image files shall be viewable via either an internal application or suggested third-party application without modification. A_IM-22 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone video files shall be viewable via either an internal application or suggested third-party application without modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 13:17:21 EST 2009
Device:	LG_VX6100
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio

Test Case CFT-IM-10 Cellebrite Version 1.1.0.5

	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log Highlights:

Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Wed Jan 7 13:17:21 EST 2009
Acquisition finished: Wed Jan 7 13:21:10 EST 2009

Device connectivity was established via supported interface
Readability and completeness of acquired data was successful
Audio files were partially acquired
Image files were acquired
Video files were not acquired - NOT SUPPORTED

Notes:
Acquisition of video files is NOT supported by UFED.
Acquisition of audio files of .wav format are not supported by UFED

Results:

Assertion & Expected Result	**Actual Result**
A_IM-01 Device connectivity via supported interfaces.	as expected
A_IM-04 Readability and completeness of acquired data via supported reports.	as expected
A_IM-20 Acquisition of stand-alone audio files.	NA
A_IM-21 Acquisition of stand-alone graphic files.	As expected
A_IM-22 Acquisition of stand-alone video files.	NA

Analysis: expected results achieved

5.2.21 CFT-IMO-01 (LG VX6100)

Test Case CFT-IMO-01 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-01 Acquire mobile device internal memory and review reported data via supported generated report formats.
Assertions:	A_IMO-23 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification via supported generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 13:24:18 EST 2009
Device:	LG_VX6100
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log	Created By Cellebrite 1.1.0.5 UFED

<table>
<tr><th colspan="2">Test Case CFT-IMO-01 Cellebrite Version 1.1.0.5</th></tr>
<tr><td>Highlights:</td><td>Acquisition started: Wed Jan 7 13:24:18 EST 2009
Acquisition finished: Wed Jan 7 13:27:46 EST 2009

Complete representation of known data via generated reports was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>A_IMO-23 Comparison of known device data elements via generated reports.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.22 CFT-IMO-02 (LG VX6100)

Test Case CFT-IMO-02 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-02 Acquire mobile device internal memory and review reported data via the preview-pane.
Assertions:	A_IMO-24 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification in a preview-pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 13:28:08 EST 2009
Device:	LG_VX6100
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log	Created By Cellebrite 1.1.0.5 UFED

Test Case CFT-IMO-02 Cellebrite Version 1.1.0.5	
Highlights:	Acquisition started: Wed Jan 7 13:28:08 EST 2009 Acquisition finished: Wed Jan 7 13:32:25 EST 2009 Complete representation of known data via preview-pane was successful
Results:	

Assertion & Expected Result	**Actual Result**
A_IMO-24 Comparison of known device data elements via preview-pane.	as expected

Analysis:	Expected results achieved

5.2.23 CFT-IMO-03 (LG VX6100)

Test Case CFT-IMO-03 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-03 Acquire mobile device internal memory and compare reported data via the preview-pane and supported generated reports.
Assertions:	A_IMO-23 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification via supported generated report formats. A_IMO-24 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification in a preview-pane view. A_IMO-25 If a cellular forensic tool provides a preview-pane view and a generated report of the acquired data then the reports shall maintain consistency of all reported data elements.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 13:32:47 EST 2009
Device:	LG_VX6100
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video

<table>
<tr><td colspan="2">Test Case CFT-IMO-03 Cellebrite Version 1.1.0.5</td></tr>
<tr><td></td><td><table><tr><td></td><td>Video - Deleted</td></tr></table></td></tr>
<tr><td>Log Highlights:</td><td>Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Wed Jan 7 13:32:47 EST 2009
Acquisition finished: Wed Jan 7 13:40:49 EST 2009

Complete representation of known data via generated reports was successful
Complete representation of known data via preview-pane was successful
Consistency between generated reports and preview-pane was successful</td></tr>
<tr><td>Results:</td><td><table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>A_IMO-23 Comparison of known device data elements via generated reports.</td><td>as expected</td></tr><tr><td>A_IMO-24 Comparison of known device data elements via preview-pane.</td><td>as expected</td></tr><tr><td>A_IMO-25 Compare generated reports and preview-pane views for device acquisition.</td><td>as expected</td></tr></table></td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.24 CFT-IMO-04 (LG VX6100)

Test Case CFT-IMO-04 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-04 After a successful mobile device internal memory acquisition, alter the case file via third party means and attempt to re-open the case.
Assertions:	A_IMO-26 If modification is attempted to the case file or individual data elements via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 13:43:15 EST 2009
Device:	LG_VX6100
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log	Created By Cellebrite 1.1.0.5 UFED

<table>
<tr><th colspan="2">Test Case CFT-IMO-04 Cellebrite Version 1.1.0.5</th></tr>
<tr><td>Highlights:</td><td>Acquisition started: Wed Jan 7 13:43:15 EST 2009
Acquisition finished: Wed Jan 7 13:47:52 EST 2009

Notification of modified case data was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>A_IMO-26 Notification of modified device case data.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.25 CFT-IMO-08 (LG VX6100)

Test Case CFT-IMO-08 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-08 Acquire mobile device internal memory and review data containing foreign language characters.
Assertions:	A_IMO-23 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification via supported generated report formats. A_IMO-24 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification in a preview-pane view. A_IMO-37 If the cellular forensic tool supports proper display of foreign language character sets then the application should present address book entries containing foreign language characters in their native format without modification. A_IMO-38 If the cellular forensic tool supports proper display of foreign language character sets then the application should present text messages containing foreign language characters in their native format without modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 13:50:48 EST 2009
Device:	LG_VX6100
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video

Test Case CFT-IMO-08 Cellebrite Version 1.1.0.5

Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log Highlights:

Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Wed Jan 7 13:50:48 EST 2009
Acquisition finished: Wed Jan 7 13:55:25 EST 2009

Complete representation of known data via generated reports was successful
Complete representation of known data via preview-pane was successful
Foreign character Address book entries were acquired and properly displayed
Foreign character text messages were not acquired - NOT SUPPORTED by UFED

Notes:
Acquisition of text messages (i.e. SMS, EMS) is NOT supported UFED.

Results:

Assertion & Expected Result	**Actual Result**
A_IMO-23 Comparison of known device data elements via generated reports.	as expected
A_IMO-24 Comparison of known device data elements via preview-pane.	as expected
A_IMO-37 Acquisition of address book entries containing foreign language characters.	as expected
A_IMO-38 Acquisition of outgoing text messages containing foreign language characters.	NA

Analysis: Expected results achieved

5.2.26 CFT-IMO-09 (LG VX6100)

Test Case CFT-IMO-09 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-09 Acquire mobile device internal memory and review hash values for vendor supported data objects.
Assertions:	A_IMO-23 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification via supported generated report formats. A_IMO-24 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification in a preview-pane view. A_IMO-39 If the cellular forensic tool supports hashing for individual data objects then the tool shall present the user with a hash value for each supported data object.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 13:57:56 EST 2009
Device:	LG_VX6100
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video

<table>
<tr><td colspan="2">Test Case CFT-IMO-09 Cellebrite Version 1.1.0.5</td></tr>
<tr><td></td><td><table><tr><td></td><td>Video - Deleted</td></tr></table></td></tr>
<tr><td>Log Highlights:</td><td>Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Wed Jan 7 13:57:56 EST 2009
Acquisition finished: Wed Jan 7 14:04:08 EST 2009

Complete representation of known data via generated reports was successful
Complete representation of known data via preview-pane was successful
Device hash reporting for individual acquired data elements was successful</td></tr>
<tr><td>Results:</td><td><table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>A_IMO-23 Comparison of known device data elements via generated reports.</td><td>as expected</td></tr><tr><td>A_IMO-24 Comparison of known device data elements via preview-pane.</td><td>as expected</td></tr><tr><td>A_IMO-39 Device hash reporting for individual acquired data objects.</td><td>as expected</td></tr></table></td></tr>
</table>

5.2.27 CFT-IM-01 (MOTO V710)

Test Case CFT-IM-01 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-01 Acquire mobile device internal memory over supported interfaces (e.g., cable, Bluetooth, IrDA).
Assertions:	A_IM-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).
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 14:09:44 EST 2009
Device:	Motorola_V710
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log	Created By Cellebrite 1.1.0.5 UFED

<table>
<tr><th colspan="2">Test Case CFT-IM-01 Cellebrite Version 1.1.0.5</th></tr>
<tr><td>Highlights:</td><td>Acquisition started: Wed Jan 7 14:09:44 EST 2009
Acquisition finished: Wed Jan 7 14:12:15 EST 2009

Device connectivity was established via supported interface</td></tr>
<tr><td>Results:</td><td><table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>A_IM-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr>
</table></td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.28 CFT-IM-02 (MOTO V710)

Test Case CFT-IM-02 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-02 Attempt internal memory acquisition of a non-supported mobile device.
Assertions:	A_IM-02 If a cellular forensic tool attempts to connect to a non-supported device then the tool shall have the ability to identify that the device is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 14:13:16 EST 2009
Device:	non_supported_device
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log	Created By Cellebrite 1.1.0.5 UFED

<table>
<tr><th colspan="2">Test Case CFT-IM-02 Cellebrite Version 1.1.0.5</th></tr>
<tr><td>Highlights:</td><td>Acquisition started: Wed Jan 7 14:13:16 EST 2009
Acquisition finished: Wed Jan 7 14:15:10 EST 2009

Identification of non-supported devices was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>A_IM-02 Identification of non-supported devices.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.29 CFT-IM-03 (MOTO V710)

Test Case CFT-IM-03 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.
Assertions:	A_IM-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). A_IM-03 If a cellular forensic tool encounters disengagement between the device and application then the application shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 14:17:15 EST 2009
Device:	Motorola_v710
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

<table>
<tr><th colspan="2">Test Case CFT-IM-03 Cellebrite Version 1.1.0.5</th></tr>
<tr><td></td><td></td></tr>
<tr><td>Log Highlights:</td><td>Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Wed Jan 7 14:17:15 EST 2009
Acquisition finished: Wed Jan 7 14:22:21 EST 2009

Device connectivity was established via supported interface
Device acquisition disruption notification was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>A_IM-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr>
<tr><td>A_IM-03 Notification of device acquisition disruption.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.30 CFT-IM-04 (MOTO V710)

Test Case CFT-IM-04 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-04 Acquire mobile device internal memory and review reported data via the preview-pane or generated reports for readability.
Assertions:	A_IM-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). A_IM-04 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall have the ability to present acquired data elements in a human-readable format via either a preview-pane or generated report.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 14:43:56 EST 2009
Device:	Motorola_v710
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

<table>
<tr><th colspan="2">Test Case CFT-IM-04 Cellebrite Version 1.1.0.5</th></tr>
<tr><td></td><td></td></tr>
<tr><td>Log Highlights:</td><td>Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Wed Jan 7 14:43:56 EST 2009
Acquisition finished: Wed Jan 7 14:47:01 EST 2009

Device connectivity was established via supported interface
Readability and completeness of acquired data was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>A_IM-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr>
<tr><td>A_IM-04 Readability and completeness of acquired data via supported reports.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.31 CFT-IM-05 (MOTO V710)

Test Case CFT-IM-05 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-05 Acquire mobile device internal memory and review reported subscriber and equipment related information (i.e., MEID, MSISDN).
Assertions:	A_IM-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). A_IM-04 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall have the ability to present acquired data elements in a human-readable format via either a preview-pane or generated report. A_IM-05 If a cellular forensic tool successfully completes acquisition of the target device then subscriber related information shall be presented in a human-readable format without modification. A_IM-06 If a cellular forensic tool successfully completes acquisition of the target device then equipment related information shall be presented in a human-readable format without modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 14:50:09 EST 2009
Device:	Motorola_V710
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	

Test Case CFT-IM-05 Cellebrite Version 1.1.0.5	

	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log Highlights:	Created By Cellebrite 1.1.0.5 UFED Acquisition started: Wed Jan 7 14:50:09 EST 2009 Acquisition finished: Wed Jan 7 14:54:22 EST 2009 Device connectivity was established via supported interface Readability and completeness of acquired data was successful Subscriber and Equipment related data (i.e., MSISDN, MEID) were acquired
Results:	

Assertion & Expected Result	**Actual Result**
A_IM-01 Device connectivity via supported interfaces.	as expected
A_IM-04 Readability and completeness of acquired data via supported reports.	as expected
A_IM-05 Acquisition of MSISDN.	as expected
A_IM-06 Acquisition of MEID.	as expected

Analysis:	Expected results achieved

5.2.32 CFT-IM-06 (MOTO V710)

Test Case CFT-IM-06 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-06 Acquire mobile device internal memory and review reported PIM related data.
Assertions:	A_IM-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). A_IM-04 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall have the ability to present acquired data elements in a human-readable format via either a preview-pane or generated report. A_IM-07 If a cellular forensic tool successfully completes acquisition of the target device then all known address book entries shall be presented in a human-readable format without modification. A_IM-08 If a cellular forensic tool successfully completes acquisition of the target device then all known maximum length address book entries shall be presented in a human-readable format without modification. A_IM-09 If a cellular forensic tool successfully completes acquisition of the target device then all known address book entries containing special characters shall be presented in a human-readable format without modification. A_IM-10 If a cellular forensic tool successfully completes acquisition of the target device then all known address book entries containing blank names shall be presented in a human-readable format without modification. A_IM-11 If a cellular forensic tool successfully completes acquisition of the target device then all known email addresses associated with address book entries shall be presented in a human-readable format without modification. A_IM-12 If a cellular forensic tool successfully completes acquisition of the target device then all known graphics associated with address book entries shall be presented in a human-readable format without modification. A_IM-13 If a cellular forensic tool successfully completes acquisition of the target device then all known datebook, calendar, note entries shall be presented in a human-readable format without modification. A_IM-14 If a cellular forensic tool successfully completes acquisition of the target device then all maximum length datebook, calendar, note entries shall be presented in a human readable format without modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 14:55:01 EST 2009
Device:	Motorola_v710
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	

Test Case CFT-IM-06 Cellebrite Version 1.1.0.5

	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log Highlights:

Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Wed Jan 7 14:55:01 EST 2009
Acquisition finished: Wed Jan 7 14:57:30 EST 2009

Device connectivity was established via supported interface
Readability and completeness of acquired data was successful
All address book entries were successfully acquired
Basic PIM related data was not acquired - NOT SUPPORTED
Maximum length PIM related data was not acquired - NOT SUPPORTED

Notes:
Acquisition of PIM related data is NOT supported.

Results:

Assertion & Expected Result	**Actual Result**
A_IM-01 Device connectivity via supported interfaces.	as expected
A_IM-04 Readability and completeness of acquired data via supported reports.	as expected
A_IM-07 Acquisition of address book entries.	as expected
A_IM-08 Acquisition of maximum length address book entries.	as expected
A_IM-09 Acquisition of address book entries containing special characters.	as expected
A_IM-10 Acquisition of address book entries containing a blank name entry.	as expected
A_IM-11 Acquisition of embedded email addresses within address book entries.	as expected
A_IM-12 Acquisition of embedded graphics within address book entries.	as expected
A_IM-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	Not supported
A_IM-14 Acquisition of maximum length PIM data.	Not supported

Analysis: Expected results achieved

5.2.33 CFT-IM-07 (MOTO V710)

Test Case CFT-IM-07 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-07 Acquire mobile device internal memory and review reported call logs.
Assertions:	A_IM-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). A_IM-04 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall have the ability to present acquired data elements in a human-readable format via either a preview-pane or generated report. A_IM-15 If a cellular forensic tool successfully completes acquisition of the target device then all call logs (incoming/outgoing) shall be presented in a human-readable format without modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 14:58:57 EST 2009
Device:	Motorola_v710
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image

<table>
<tr><td colspan="2">Test Case CFT-IM-07 Cellebrite Version 1.1.0.5</td></tr>
<tr><td></td><td>
<table>
<tr><td></td><td>Image - Deleted</td></tr>
<tr><td></td><td>Video</td></tr>
<tr><td></td><td>Video - Deleted</td></tr>
</table>
</td></tr>
<tr><td>Log Highlights:</td><td>Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Wed Jan 7 14:58:57 EST 2009
Acquisition finished: Wed Jan 7 15:00:26 EST 2009

Device connectivity was established via supported interface
Readability and completeness of acquired data was successful
All Call Logs (incoming, outgoing) were acquired

<u>Notes</u>:
Missed calls are reported as both Incoming and Missed, representing two calls rather than one.</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>A_IM-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr>
<tr><td>A_IM-04 Readability and completeness of acquired data via supported reports.</td><td>as expected</td></tr>
<tr><td>A_IM-15 Acquisition of call logs.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.34 CFT-IM-08 (MOTO V710)

Test Case CFT-IM-08 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-08 Acquire mobile device internal memory and review reported text messages.
Assertions:	A_IM-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). A_IM-04 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall have the ability to present acquired data elements in a human-readable format via either a preview-pane or generated report. A_IM-16 If a cellular forensic tool successfully completes acquisition of the target device then all text messages (i.e., SMS, EMS) messages shall be presented in a human-readable format without modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 15:03:38 EST 2009
Device:	Motorola_v710
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image

Test Case CFT-IM-08 Cellebrite Version 1.1.0.5

	Image - Deleted
	Video
	Video - Deleted

Log Highlights:

Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Wed Jan 7 15:03:38 EST 2009
Acquisition finished: Wed Jan 7 15:09:55 EST 2009

Device connectivity was established via supported interface
Readability and completeness of acquired data was successful
Partial text messages (SMS, EMS) were acquired

Notes:
UNREAD SMS text messages status flags were modified after acquisition to READ.

Outgoing SMS text messages did not contain any date/time data.

Not all outgoing SMS/EMS text messages were reported.

Results:

Assertion & Expected Result	**Actual Result**
A_IM-01 Device connectivity via supported interfaces.	as expected
A_IM-04 Readability and completeness of acquired data via supported reports.	as expected
A_IM-16 Acquisition of text messages.	Not as expected

Analysis: Partial results achieved

5.2.35 CFT-IM-09 (MOTO V710)

Test Case CFT-IM-09 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-09 Acquire mobile device internal memory and review reported MMS multi-media related data (i.e., text, audio, graphics, video).
Assertions:	A_IM-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). A_IM-04 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall have the ability to present acquired data elements in a human-readable format via either a preview-pane or generated report. A_IM-17 If a cellular forensic tool successfully completes acquisition of the target device then all MMS messages and associated audio shall be presented properly without modification. A_IM-18 If a cellular forensic tool successfully completes acquisition of the target device then all MMS messages and associated images shall be presented properly without modification. A_IM-19 If a cellular forensic tool successfully completes acquisition of the target device then all MMS messages and associated video shall be presented properly without modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 15:13:32 EST 2009
Device:	Motorola_V710
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio

Test Case CFT-IM-09 Cellebrite Version 1.1.0.5

	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log Highlights:

Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Wed Jan 7 15:13:32 EST 2009
Acquisition finished: Wed Jan 7 15:26:28 EST 2009

Device connectivity was established via supported interface
Readability and completeness of acquired data was successful
Audio MMS messages were not acquired - NA
Image MMS messages were not acquired - NA
Video MMS messages were not acquired - NA

Notes: Acquisition of MMS message data present on the Motorola V710 is not supported by UFED.

Results:

Assertion & Expected Result	**Actual Result**
A_IM-01 Device connectivity via supported interfaces.	as expected
A_IM-04 Readability and completeness of acquired data via supported reports.	as expected
A_IM-17 Acquisition of audio MMS messages.	NA
A_IM-18 Acquisition of image MMS messages.	NA
A_IM-19 Acquisition of video MMS messages.	NA

Analysis: Expected results achieved

5.2.36 CFT-IM-10 (MOTO V710)

Test Case CFT-IM-10 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-10 Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).
Assertions:	A_IM-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). A_IM-04 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall have the ability to present acquired data elements in a human-readable format via either a preview-pane or generated report. A_IM-20 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone audio files shall be playable via either an internal application or suggested third-party application without modification. A_IM-21 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone image files shall be viewable via either an internal application or suggested third-party application without modification. A_IM-22 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone video files shall be viewable via either an internal application or suggested third-party application without modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Wed Jan 7 15:39:55 EST 2009
Device:	Motorola_V710
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio

Test Case CFT-IM-10 Cellebrite Version 1.1.0.5

	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log Highlights:

Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Wed Jan 7 15:39:55 EST 2009
Acquisition finished: Wed Jan 7 15:42:40 EST 2009

Device connectivity was established via supported interface
Readability and completeness of acquired data was successful
ALL stand-alone data files (Audio, Image, Video) were acquired

Results:

Assertion & Expected Result	**Actual Result**
A_IM-01 Device connectivity via supported interfaces.	as expected
A_IM-04 Readability and completeness of acquired data via supported reports.	as expected
A_IM-20 Acquisition of stand-alone audio files.	as expected
A_IM-21 Acquisition of stand-alone graphic files.	as expected
A_IM-22 Acquisition of stand-alone video files.	as expected

Analysis: Expected results achieved

5.2.37 CFT-IMO-01 (MOTO V710)

Test Case CFT-IMO-01 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-01 Acquire mobile device internal memory and review reported data via supported generated report formats.
Assertions:	A_IMO-23 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification via supported generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 8 07:57:11 EST 2009
Device:	Motorola_V710
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log	Created By Cellebrite 1.1.0.5 UFED

<table>
<tr><td colspan="2">Test Case CFT-IMO-01 Cellebrite Version 1.1.0.5</td></tr>
<tr><td>Highlights:</td><td>Acquisition started: Thu Jan 8 07:57:11 EST 2009
Acquisition finished: Thu Jan 8 08:00:43 EST 2009

Complete representation of known data via generated reports was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>A_IMO-23 Comparison of known device data elements via generated reports.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.38 CFT-IMO-02 (MOTO V710)

Test Case CFT-IMO-02 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-02 Acquire mobile device internal memory and review reported data via the preview-pane.
Assertions:	A_IMO-24 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification in a preview-pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 8 08:01:13 EST 2009
Device:	Motorola_V710
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log	Created By Cellebrite 1.1.0.5 UFED

<table>
<tr><th colspan="2">Test Case CFT-IMO-02 Cellebrite Version 1.1.0.5</th></tr>
<tr><td>Highlights:</td><td>Acquisition started: Thu Jan 8 08:01:13 EST 2009
Acquisition finished: Thu Jan 8 08:04:42 EST 2009

Complete representation of known data via preview-pane was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>A_IMO-24 Comparison of known device data elements via preview-pane.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.39 CFT-IMO-03 (MOTO V710)

Test Case CFT-IMO-03 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-03 Acquire mobile device internal memory and compare reported data via the preview-pane and supported generated reports.
Assertions:	A_IMO-23 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification via supported generated report formats. A_IMO-24 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification in a preview-pane view. A_IMO-25 If a cellular forensic tool provides a preview-pane view and a generated report of the acquired data then the reports shall maintain consistency of all reported data elements.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 8 08:07:42 EST 2009
Device:	Motorola_V710
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video

<table>
<tr><td colspan="2">Test Case CFT-IMO-03 Cellebrite Version 1.1.0.5</td></tr>
<tr><td></td><td><table><tr><td></td><td>Video - Deleted</td></tr></table></td></tr>
<tr><td>Log Highlights:</td><td>Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Thu Jan 8 08:07:42 EST 2009
Acquisition finished: Thu Jan 8 08:12:32 EST 2009

Complete representation of known data via generated reports was successful
Complete representation of known data via preview-pane was successful
Consistency between generated reports and preview-pane was successful</td></tr>
<tr><td>Results:</td><td><table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>A_IMO-23 Comparison of known device data elements via generated reports.</td><td>as expected</td></tr><tr><td>A_IMO-24 Comparison of known device data elements via preview-pane.</td><td>as expected</td></tr><tr><td>A_IMO-25 Compare generated reports and preview-pane views for device acquisition.</td><td>as expected</td></tr></table></td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.40 CFT-IMO-04 (MOTO V710)

Test Case CFT-IMO-04 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-04 After a successful mobile device internal memory acquisition, alter the case file via third party means and attempt to re-open the case.
Assertions:	A_IMO-26 If modification is attempted to the case file or individual data elements via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 8 08:13:31 EST 2009
Device:	Motorola_V710
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log	Created By Cellebrite 1.1.0.5 UFED

Test Case CFT-IMO-04 Cellebrite Version 1.1.0.5	
Highlights:	Acquisition started: Thu Jan 8 08:13:31 EST 2009 Acquisition finished: Thu Jan 8 08:17:29 EST 2009 Notification of modified case data was successful
Results:	

Assertion & Expected Result	Actual Result
A_IMO-26 Notification of modified device case data.	as expected

Analysis:	Expected results achieved

5.2.41 CFT-IMO-08 (MOTO V710)

Test Case CFT-IMO-08 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-08 Acquire mobile device internal memory and review data containing foreign language characters.
Assertions:	A_IMO-23 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification via supported generated report formats. A_IMO-24 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification in a preview-pane view. A_IMO-37 If the cellular forensic tool supports proper display of foreign language character sets then the application should present address book entries containing foreign language characters in their native format without modification. A_IMO-38 If the cellular forensic tool supports proper display of foreign language character sets then the application should present text messages containing foreign language characters in their native format without modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 8 08:19:29 EST 2009
Device:	Motorola_V710
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video

Test Case CFT-IMO-08 Cellebrite Version 1.1.0.5

Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log Highlights:

Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Thu Jan 8 08:19:29 EST 2009
Acquisition finished: Thu Jan 8 08:24:48 EST 2009

Complete representation of known data via generated reports was successful
Complete representation of known data via preview-pane was successful
Foreign character Address book entries were acquired and properly displayed
Foreign character text messages - Not Applicable

Results:

Assertion & Expected Result	**Actual Result**
A_IMO-23 Comparison of known device data elements via generated reports.	as expected
A_IMO-24 Comparison of known device data elements via preview-pane.	as expected
A_IMO-37 Acquisition of address book entries containing foreign language characters.	as expected
A_IMO-38 Acquisition of outgoing text messages containing foreign language characters.	Not applicable

Analysis: Expected results achieved

5.2.42 CFT-IMO-09 (MOTO V710)

Test Case CFT-IMO-09 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-09 Acquire mobile device internal memory and review hash values for vendor supported data objects.
Assertions:	A_IMO-23 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification via supported generated report formats. A_IMO-24 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification in a preview-pane view. A_IMO-39 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:	Thu Jan 8 08:29:22 EST 2009
Device:	Motorola_V710
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video

<table>
<tr><td colspan="2">Test Case CFT-IMO-09 Cellebrite Version 1.1.0.5</td></tr>
<tr><td></td><td><table><tr><td></td><td>Video - Deleted</td></tr></table></td></tr>
<tr><td>Log Highlights:</td><td>Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Thu Jan 8 08:29:22 EST 2009
Acquisition finished: Thu Jan 8 08:37:15 EST 2009

Complete representation of known data via generated reports was successful
Complete representation of known data via preview-pane was successful
Device hash reporting for individual acquired data elements was successful</td></tr>
<tr><td>Results:</td><td><table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>A_IMO-23 Comparison of known device data elements via generated reports.</td><td>as expected</td></tr>
<tr><td>A_IMO-24 Comparison of known device data elements via preview-pane.</td><td>as expected</td></tr>
<tr><td>A_IMO-39 Device hash reporting for individual acquired data objects.</td><td>as expected</td></tr>
</table></td></tr>
</table>

5.2.43 CFT-IM-01 (SCH u410)

Test Case CFT-IM-01 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-01 Acquire mobile device internal memory over supported interfaces (e.g., cable, Bluetooth, IrDA).
Assertions:	A_IM-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).
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 8 09:52:40 EST 2009
Device:	Samsung_SCHu410
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log	Created By Cellebrite 1.1.0.5 UFED

Test Case CFT-IM-01 Cellebrite Version 1.1.0.5	
Highlights:	Acquisition started: Thu Jan 8 09:52:40 EST 2009 Acquisition finished: Thu Jan 8 09:56:37 EST 2009 Device connectivity was established via supported interface
Results:	

Assertion & Expected Result	Actual Result
A_IM-01 Device connectivity via supported interfaces.	as expected

Analysis:	Expected results achieved

5.2.44 CFT-IM-02 (SCH u410)

Test Case CFT-IM-02 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-02 Attempt internal memory acquisition of a non-supported mobile device.
Assertions:	A_IM-02 If a cellular forensic tool attempts to connect to a non-supported device then the tool shall have the ability to identify that the device is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 8 09:57:13 EST 2009
Device:	non_supported_device
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log	Created By Cellebrite 1.1.0.5 UFED

Test Case CFT-IM-02 Cellebrite Version 1.1.0.5	
Highlights:	Acquisition started: Thu Jan 8 09:57:13 EST 2009 Acquisition finished: Thu Jan 8 09:59:52 EST 2009 Identification of non-supported devices was successful
Results:	**Assertion & Expected Result** / **Actual Result** A_IM-02 Identification of non-supported devices. / as expected
Analysis:	Expected results achieved

5.2.45 CFT-IM-03 (SCH u410)

Test Case CFT-IM-03 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.
Assertions:	A_IM-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). A_IM-03 If a cellular forensic tool encounters disengagement between the device and application then the application shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 8 10:00:54 EST 2009
Device:	Samsung_SCHu410
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Test Case CFT-IM-03 Cellebrite Version 1.1.0.5	
Log Highlights:	Created By Cellebrite 1.1.0.5 UFED Acquisition started: Thu Jan 8 10:00:54 EST 2009 Acquisition finished: Thu Jan 8 10:02:20 EST 2009 Device connectivity was established via supported interface Device acquisition disruption notification was successful
Results:	

Assertion & Expected Result	Actual Result
A_IM-01 Device connectivity via supported interfaces.	as expected
A_IM-03 Notification of device acquisition disruption.	as expected

Analysis:	Expected results achieved

5.2.46 CFT-IM-04 (SCH u410)

Test Case CFT-IM-04 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-04 Acquire mobile device internal memory and review reported data via the preview-pane or generated reports for readability.
Assertions:	A_IM-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). A_IM-04 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall have the ability to present acquired data elements in a human-readable format via either a preview-pane or generated report.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 8 10:02:47 EST 2009
Device:	Samsung_SCHu410
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

<table>
<tr><th colspan="2">Test Case CFT-IM-04 Cellebrite Version 1.1.0.5</th></tr>
<tr><td></td><td></td></tr>
<tr><td>Log Highlights:</td><td>Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Thu Jan 8 10:02:47 EST 2009
Acquisition finished: Thu Jan 8 10:05:49 EST 2009

Device connectivity was established via supported interface
Readability and completeness of acquired data was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>A_IM-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr>
<tr><td>A_IM-04 Readability and completeness of acquired data via supported reports.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.47 CFT-IM-05 (SCH u410)

Test Case CFT-IM-05 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-05 Acquire mobile device internal memory and review reported subscriber and equipment related information (i.e., MEID, MSISDN).
Assertions:	A_IM-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). A_IM-04 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall have the ability to present acquired data elements in a human-readable format via either a preview-pane or generated report. A_IM-05 If a cellular forensic tool successfully completes acquisition of the target device then subscriber related information shall be presented in a human-readable format without modification. A_IM-06 If a cellular forensic tool successfully completes acquisition of the target device then equipment related information shall be presented in a human-readable format without modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 8 10:06:29 EST 2009
Device:	Samsung_SCHu410
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	

Test Case CFT-IM-05 Cellebrite Version 1.1.0.5	

	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log Highlights:	Created By Cellebrite 1.1.0.5 UFED Acquisition started: Thu Jan 8 10:06:29 EST 2009 Acquisition finished: Thu Jan 8 10:25:24 EST 2009 Device connectivity was established via supported interface Readability and completeness of acquired data was successful Subscriber and Equipment related data (i.e., MSISDN, MEID) were acquired **Notes:** The MIN was extracted instead of the MSISDN.
Results:	

Assertion & Expected Result	**Actual Result**
A_IM-01 Device connectivity via supported interfaces.	as expected
A_IM-04 Readability and completeness of acquired data via supported reports.	as expected
A_IM-05 Acquisition of MSISDN.	Not as expected
A_IM-06 Acquisition of MEID.	as expected

Analysis:	Expected results NOT achieved

5.2.48 CFT-IM-10 (SCH u410)

Test Case CFT-IM-10 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-10 Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).
Assertions:	A_IM-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). A_IM-04 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall have the ability to present acquired data elements in a human-readable format via either a preview-pane or generated report. A_IM-20 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone audio files shall be playable via either an internal application or suggested third-party application without modification. A_IM-21 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone image files shall be viewable via either an internal application or suggested third-party application without modification. A_IM-22 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone video files shall be viewable via either an internal application or suggested third-party application without modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 8 13:08:01 EST 2009
Device:	Samsung_SCHu410
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio

Test Case CFT-IM-10 Cellebrite Version 1.1.0.5

	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log Highlights:

Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Thu Jan 8 13:08:01 EST 2009
Acquisition finished: Thu Jan 8 13:12:49 EST 2009

Device connectivity was established via supported interface
Readability and completeness of acquired data was successful
Audio files were not acquired - NOT SUPPORTED
Image files were acquired
Video files were not acquired - NOT SUPPORTED

Notes:
Acquisition of stand-alone data files (i.e., audio, video) is NOT supported.

Results:

Assertion & Expected Result	**Actual Result**
A_IM-01 Device connectivity via supported interfaces.	as expected
A_IM-04 Readability and completeness of acquired data via supported reports.	as expected
A_IM-20 Acquisition of stand-alone audio files.	Not supported
A_IM-21 Acquisition of stand-alone graphic files.	as expected
A_IM-22 Acquisition of stand-alone video files.	Not supported

Analysis: Expected results achieved

5.2.49 CFT-IMO-01 (SCH u410)

Test Case CFT-IMO-01 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-01 Acquire mobile device internal memory and review reported data via supported generated report formats.
Assertions:	A_IMO-23 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification via supported generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 8 13:15:26 EST 2009
Device:	Samsung_SCHu410
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log	Created By Cellebrite 1.1.0.5 UFED

<table>
<tr><th colspan="2">Test Case CFT-IMO-01 Cellebrite Version 1.1.0.5</th></tr>
<tr><td>Highlights:</td><td>Acquisition started: Thu Jan 8 13:15:26 EST 2009
Acquisition finished: Thu Jan 8 13:18:00 EST 2009

Complete representation of known data via generated reports was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>A_IMO-23 Comparison of known device data elements via generated reports.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.50 CFT-IMO-02 (SCH u410)

Test Case CFT-IMO-02 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-02 Acquire mobile device internal memory and review reported data via the preview-pane.
Assertions:	A_IMO-24 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification in a preview-pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 8 13:18:25 EST 2009
Device:	Samsung_SCHu410
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log	Created By Cellebrite 1.1.0.5 UFED

<table>
<tr><th colspan="2">Test Case CFT-IMO-02 Cellebrite Version 1.1.0.5</th></tr>
<tr><td>Highlights:</td><td>Acquisition started: Thu Jan 8 13:18:25 EST 2009
Acquisition finished: Thu Jan 8 13:20:23 EST 2009

Complete representation of known data via preview-pane was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>A_IMO-24 Comparison of known device data elements via preview-pane.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.51 CFT-IMO-03 (SCH u410)

Test Case CFT-IMO-03 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-03 Acquire mobile device internal memory and compare reported data via the preview-pane and supported generated reports.
Assertions:	A_IMO-23 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification via supported generated report formats. A_IMO-24 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification in a preview-pane view. A_IMO-25 If a cellular forensic tool provides a preview-pane view and a generated report of the acquired data then the reports shall maintain consistency of all reported data elements.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 8 13:20:55 EST 2009
Device:	Samsung_SCHu410
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video

<table>
<tr><td colspan="2">Test Case CFT-IMO-03 Cellebrite Version 1.1.0.5</td></tr>
<tr><td></td><td><table><tr><td></td><td>Video - Deleted</td></tr></table></td></tr>
<tr><td>Log Highlights:</td><td>Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Thu Jan 8 13:20:55 EST 2009
Acquisition finished: Thu Jan 8 13:22:34 EST 2009

Complete representation of known data via generated reports was successful
Complete representation of known data via preview-pane was successful
Consistency between generated reports and preview-pane was successful</td></tr>
<tr><td>Results:</td><td><table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>A_IMO-23 Comparison of known device data elements via generated reports.</td><td>as expected</td></tr><tr><td>A_IMO-24 Comparison of known device data elements via preview-pane.</td><td>as expected</td></tr><tr><td>A_IMO-25 Compare generated reports and preview-pane views for device acquisition.</td><td>as expected</td></tr></table></td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.52 CFT-IMO-04 (SCH u410)

Test Case CFT-IMO-04 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-04 After a successful mobile device internal memory acquisition, alter the case file via third party means and attempt to re-open the case.
Assertions:	A_IMO-26 If modification is attempted to the case file or individual data elements via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 8 13:23:08 EST 2009
Device:	Samsung_SCHu410
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log	Created By Cellebrite 1.1.0.5 UFED

<table>
<tr><th colspan="2">Test Case CFT-IMO-04 Cellebrite Version 1.1.0.5</th></tr>
<tr><td>Highlights:</td><td>Acquisition started: Thu Jan 8 13:23:08 EST 2009
Acquisition finished: Thu Jan 8 13:25:08 EST 2009

Notification of modified case data was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>A_IMO-26 Notification of modified device case data.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.53 CFT-IMO-08 (SCH u410)

Test Case CFT-IMO-08 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-08 Acquire mobile device internal memory and review data containing foreign language characters.
Assertions:	A_IMO-23 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification via supported generated report formats. A_IMO-24 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification in a preview-pane view. A_IMO-37 If the cellular forensic tool supports proper display of foreign language character sets then the application should present address book entries containing foreign language characters in their native format without modification. A_IMO-38 If the cellular forensic tool supports proper display of foreign language character sets then the application should present text messages containing foreign language characters in their native format without modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 8 13:27:39 EST 2009
Device:	Samsung_SCHu410
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video

Test Case CFT-IMO-08 Cellebrite Version 1.1.0.5

Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log Highlights:

Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Thu Jan 8 13:27:39 EST 2009
Acquisition finished: Thu Jan 8 13:29:14 EST 2009

Complete representation of known data via generated reports was successful
Complete representation of known data via preview-pane was successful
Foreign character Address book entries were acquired and properly displayed
Foreign character text messages were not acquired - NOT SUPPORTED

Notes:
Acquisition of text messages (i.e. SMS, EMS) is NOT supported.

Results:

Assertion & Expected Result	**Actual Result**
A_IMO-23 Comparison of known device data elements via generated reports.	as expected
A_IMO-24 Comparison of known device data elements via preview-pane.	as expected
A_IMO-37 Acquisition of address book entries containing foreign language characters.	as expected
A_IMO-38 Acquisition of outgoing text messages containing foreign language characters.	Not supported

Analysis: Expected results achieved

5.2.54 CFT-IMO-09 (SCH u410)

Test Case CFT-IMO-09 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-09 Acquire mobile device internal memory and review hash values for vendor supported data objects.
Assertions:	A_IMO-23 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification via supported generated report formats. A_IMO-24 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification in a preview-pane view. A_IMO-39 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:	Thu Jan 8 13:30:35 EST 2009
Device:	Samsung_SCHu410
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video

<table>
<tr><td colspan="2">Test Case CFT-IMO-09 Cellebrite Version 1.1.0.5</td></tr>
<tr><td></td><td><table><tr><td></td><td>Video - Deleted</td></tr></table></td></tr>
<tr><td>Log Highlights:</td><td>Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Thu Jan 8 13:30:35 EST 2009
Acquisition finished: Thu Jan 8 13:33:44 EST 2009

Complete representation of known data via generated reports was successful
Complete representation of known data via preview-pane was successful
Device hash reporting for individual acquired data elements was successful</td></tr>
<tr><td>Results:</td><td><table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>A_IMO-23 Comparison of known device data elements via generated reports.</td><td>as expected</td></tr><tr><td>A_IMO-24 Comparison of known device data elements via preview-pane.</td><td>as expected</td></tr><tr><td>A_IMO-39 Device hash reporting for individual acquired data objects.</td><td>as expected</td></tr></table></td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.55 CFT-IM-01 (SCH u740)

Test Case CFT-IM-01 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-01 Acquire mobile device internal memory over supported interfaces (e.g., cable, Bluetooth, IrDA).
Assertions:	A_IM-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).
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 8 13:39:26 EST 2009
Device:	Samsung_SCHu740
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log	Created By Cellebrite 1.1.0.5 UFED

Test Case CFT-IM-01 Cellebrite Version 1.1.0.5	
Highlights:	Acquisition started: Thu Jan 8 13:39:26 EST 2009 Acquisition finished: Thu Jan 8 13:49:08 EST 2009 Device connectivity was established via supported interface
Results:	

Assertion & Expected Result	Actual Result
A_IM-01 Device connectivity via supported interfaces.	as expected

Analysis:	Expected results achieved

5.2.56 CFT-IM-02 (SCH u740)

Test Case CFT-IM-02 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-02 Attempt internal memory acquisition of a non-supported mobile device.
Assertions:	A_IM-02 If a cellular forensic tool attempts to connect to a non-supported device then the tool shall have the ability to identify that the device is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 8 13:50:52 EST 2009
Device:	non_supported_device
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log	Created By Cellebrite 1.1.0.5 UFED

<table>
<tr><th colspan="2">Test Case CFT-IM-02 Cellebrite Version 1.1.0.5</th></tr>
<tr><td>Highlights:</td><td>Acquisition started: Thu Jan 8 13:50:52 EST 2009
Acquisition finished: Thu Jan 8 13:52:39 EST 2009

Identification of non-supported devices was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>A_IM-02 Identification of non-supported devices.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.57 CFT-IM-03 (SCH u740)

Test Case CFT-IM-03 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.
Assertions:	A_IM-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). A_IM-03 If a cellular forensic tool encounters disengagement between the device and application then the application shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 8 13:54:17 EST 2009
Device:	Samsung_SCHu740
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Test Case CFT-IM-03 Cellebrite Version 1.1.0.5	
Log Highlights:	Created By Cellebrite 1.1.0.5 UFED Acquisition started: Thu Jan 8 13:54:17 EST 2009 Acquisition finished: Thu Jan 8 13:57:26 EST 2009 Device connectivity was established via supported interface Device acquisition disruption notification was successful
Results:	

Assertion & Expected Result	Actual Result
A_IM-01 Device connectivity via supported interfaces.	as expected
A_IM-03 Notification of device acquisition disruption.	as expected

Analysis:	Expected results achieved

5.2.58 CFT-IM-04 (SCH u740)

Test Case CFT-IM-04 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-04 Acquire mobile device internal memory and review reported data via the preview-pane or generated reports for readability.
Assertions:	A_IM-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). A_IM-04 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall have the ability to present acquired data elements in a human-readable format via either a preview-pane or generated report.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 8 13:58:01 EST 2009
Device:	Samsung_SCHu740
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

<table>
<tr><th colspan="2">Test Case CFT-IM-04 Cellebrite Version 1.1.0.5</th></tr>
<tr><td></td><td></td></tr>
<tr><td>Log Highlights:</td><td>Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Thu Jan 8 13:58:01 EST 2009
Acquisition finished: Thu Jan 8 14:00:24 EST 2009

Device connectivity was established via supported interface
Readability and completeness of acquired data was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>A_IM-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr>
<tr><td>A_IM-04 Readability and completeness of acquired data via supported reports.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.59 CFT-IM-05 (SCH u740)

Test Case CFT-IM-05 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-05 Acquire mobile device internal memory and review reported subscriber and equipment related information (i.e., MEID, MSISDN).
Assertions:	A_IM-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). A_IM-04 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall have the ability to present acquired data elements in a human-readable format via either a preview-pane or generated report. A_IM-05 If a cellular forensic tool successfully completes acquisition of the target device then subscriber related information shall be presented in a human-readable format without modification. A_IM-06 If a cellular forensic tool successfully completes acquisition of the target device then equipment related information shall be presented in a human-readable format without modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 8 14:00:51 EST 2009
Device:	Samsung_SCHu740
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	

Test Case CFT-IM-05 Cellebrite Version 1.1.0.5

	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log Highlights:

Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Thu Jan 8 14:00:51 EST 2009
Acquisition finished: Thu Jan 8 14:04:36 EST 2009

Device connectivity was established via supported interface
Readability and completeness of acquired data was successful
Subscriber and Equipment related data (i.e., MSISDN, MEID) were acquired

Notes:
The MIN was extracted instead of the MSISDN.

Results:

Assertion & Expected Result	**Actual Result**
A_IM-01 Device connectivity via supported interfaces.	as expected
A_IM-04 Readability and completeness of acquired data via supported reports.	as expected
A_IM-05 Acquisition of MSISDN.	Not as expected
A_IM-06 Acquisition of MEID.	as expected

Analysis: Expected results NOT achieved

5.2.60 CFT-IM-07 (SCH u740)

Test Case CFT-IM-07 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-07 Acquire mobile device internal memory and review reported call logs.
Assertions:	A_IM-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). A_IM-04 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall have the ability to present acquired data elements in a human-readable format via either a preview-pane or generated report. A_IM-15 If a cellular forensic tool successfully completes acquisition of the target device then all call logs (incoming/outgoing) shall be presented in a human-readable format without modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 8 14:08:05 EST 2009
Device:	Samsung_SCHu740
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image

Test Case CFT-IM-07 Cellebrite Version 1.1.0.5

	Image - Deleted
	Video
	Video - Deleted

Log Highlights:

Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Thu Jan 8 14:08:05 EST 2009
Acquisition finished: Thu Jan 8 14:11:06 EST 2009

Device connectivity was established via supported interface
Readability and completeness of acquired data was successful
All Call Logs (incoming, outgoing) were acquired

Results:

Assertion & Expected Result	**Actual Result**
A_IM-01 Device connectivity via supported interfaces.	as expected
A_IM-04 Readability and completeness of acquired data via supported reports.	as expected
A_IM-15 Acquisition of call logs.	as expected

Analysis: Expected results achieved

5.2.61 CFT-IM-10 (SCH u740)

Test Case CFT-IM-10 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-10 Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).
Assertions:	A_IM-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). A_IM-04 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall have the ability to present acquired data elements in a human-readable format via either a preview-pane or generated report. A_IM-20 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone audio files shall be playable via either an internal application or suggested third-party application without modification. A_IM-21 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone image files shall be viewable via either an internal application or suggested third-party application without modification. A_IM-22 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone video files shall be viewable via either an internal application or suggested third-party application without modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 8 14:13:45 EST 2009
Device:	Samsung_SCHu740
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio

Test Case CFT-IM-10 Cellebrite Version 1.1.0.5

	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log Highlights:

Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Thu Jan 8 14:13:45 EST 2009
Acquisition finished: Thu Jan 8 14:19:01 EST 2009

Device connectivity was established via supported interface
Readability and completeness of acquired data was successful
Audio files were not acquired - NOT SUPPORTED
Image files were acquired
Video files were acquired

Notes:
Acquisition of stand-alone data files (i.e., audio) is NOT supported.

Results:

Assertion & Expected Result	**Actual Result**
A_IM-01 Device connectivity via supported interfaces.	as expected
A_IM-04 Readability and completeness of acquired data via supported reports.	as expected
A_IM-20 Acquisition of stand-alone audio files.	as expected
A_IM-21 Acquisition of stand-alone graphic files.	as expected
A_IM-22 Acquisition of stand-alone video files.	as expected

Analysis: Expected results achieved

5.2.62 CFT-IMO-01 (SCH u740)

Test Case CFT-IMO-01 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-01 Acquire mobile device internal memory and review reported data via supported generated report formats.
Assertions:	A_IMO-23 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification via supported generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 8 14:38:44 EST 2009
Device:	Samsung_SCHu740
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log	Created By Cellebrite 1.1.0.5 UFED

<table>
<tr><th colspan="2">Test Case CFT-IMO-01 Cellebrite Version 1.1.0.5</th></tr>
<tr><td>Highlights:</td><td>Acquisition started: Thu Jan 8 14:38:44 EST 2009
Acquisition finished: Thu Jan 8 14:41:33 EST 2009

Complete representation of known data via generated reports was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>A_IMO-23 Comparison of known device data elements via generated reports.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.63 CFT-IMO-02 (SCH u740)

Test Case CFT-IMO-02 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-02 Acquire mobile device internal memory and review reported data via the preview-pane.
Assertions:	A_IMO-24 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification in a preview-pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 8 14:41:58 EST 2009
Device:	Samsung_SCHu740
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log	Created By Cellebrite 1.1.0.5 UFED

<table>
<tr><th colspan="2">Test Case CFT-IMO-02 Cellebrite Version 1.1.0.5</th></tr>
<tr><td>Highlights:</td><td>Acquisition started: Thu Jan 8 14:41:58 EST 2009
Acquisition finished: Thu Jan 8 14:44:44 EST 2009

Complete representation of known data via preview-pane was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>A_IMO-24 Comparison of known device data elements via preview-pane.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.64 CFT-IMO-03 (SCH u740)

Test Case CFT-IMO-03 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-03 Acquire mobile device internal memory and compare reported data via the preview-pane and supported generated reports.
Assertions:	A_IMO-23 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification via supported generated report formats. A_IMO-24 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification in a preview-pane view. A_IMO-25 If a cellular forensic tool provides a preview-pane view and a generated report of the acquired data then the reports shall maintain consistency of all reported data elements.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 8 14:45:11 EST 2009
Device:	Samsung_SCHu740
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video

<table>
<tr><td colspan="2">Test Case CFT-IMO-03 Cellebrite Version 1.1.0.5</td></tr>
<tr><td></td><td><table><tr><td></td><td>Video - Deleted</td></tr></table></td></tr>
<tr><td>Log Highlights:</td><td>Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Thu Jan 8 14:45:11 EST 2009
Acquisition finished: Thu Jan 8 14:48:09 EST 2009

Complete representation of known data via generated reports was successful
Complete representation of known data via preview-pane was successful
Consistency between generated reports and preview-pane was successful</td></tr>
<tr><td>Results:</td><td><table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>A_IMO-23 Comparison of known device data elements via generated reports.</td><td>as expected</td></tr><tr><td>A_IMO-24 Comparison of known device data elements via preview-pane.</td><td>as expected</td></tr><tr><td>A_IMO-25 Compare generated reports and preview-pane views for device acquisition.</td><td>as expected</td></tr></table></td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.65 CFT-IMO-04 (SCH u740)

Test Case CFT-IMO-04 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-04 After a successful mobile device internal memory acquisition, alter the case file via third party means and attempt to re-open the case.
Assertions:	A_IMO-26 If modification is attempted to the case file or individual data elements via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 8 14:48:57 EST 2009
Device:	Samsung_SCHu740
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log	Created By Cellebrite 1.1.0.5 UFED

<table>
<tr><th colspan="2">Test Case CFT-IMO-04 Cellebrite Version 1.1.0.5</th></tr>
<tr><td>Highlights:</td><td>Acquisition started: Thu Jan 8 14:48:57 EST 2009
Acquisition finished: Thu Jan 8 14:50:21 EST 2009

Notification of modified case data was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>A_IMO-26 Notification of modified device case data.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.66 CFT-IMO-08 (SCH u740)

Test Case CFT-IMO-08 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-08 Acquire mobile device internal memory and review data containing foreign language characters.
Assertions:	A_IMO-23 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification via supported generated report formats. A_IMO-24 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification in a preview-pane view. A_IMO-37 If the cellular forensic tool supports proper display of foreign language character sets then the application should present address book entries containing foreign language characters in their native format without modification. A_IMO-38 If the cellular forensic tool supports proper display of foreign language character sets then the application should present text messages containing foreign language characters in their native format without modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Thu Jan 8 14:52:11 EST 2009
Device:	Samsung_SCHu740
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video

Test Case CFT-IMO-08 Cellebrite Version 1.1.0.5

Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log Highlights:

Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Thu Jan 8 14:52:11 EST 2009
Acquisition finished: Thu Jan 8 15:27:40 EST 2009

Complete representation of known data via generated reports was successful
Complete representation of known data via preview-pane was successful
Foreign character Address book entries were acquired and properly displayed
Foreign character text messages were not acquired - NOT SUPPORTED

Notes:
Acquisition of text messages (i.e. SMS, EMS) is NOT supported.

Results:

Assertion & Expected Result	**Actual Result**
A_IMO-23 Comparison of known device data elements via generated reports.	as expected
A_IMO-24 Comparison of known device data elements via preview-pane.	as expected
A_IMO-37 Acquisition of address book entries containing foreign language characters.	as expected
A_IMO-38 Acquisition of outgoing text messages containing foreign language characters.	Not supported

Analysis: Expected results achieved

5.2.67 CFT-IMO-09 (SCH u740)

Test Case CFT-IMO-09 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-09 Acquire mobile device internal memory and review hash values for vendor supported data objects.
Assertions:	A_IMO-23 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification via supported generated report formats. A_IMO-24 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification in a preview-pane view. A_IMO-39 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:	Thu Jan 8 15:30:31 EST 2009
Device:	Samsung_SCHu740
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video

<table>
<tr><td colspan="2">Test Case CFT-IMO-09 Cellebrite Version 1.1.0.5</td></tr>
<tr><td></td><td><table><tr><td></td><td>Video - Deleted</td></tr></table></td></tr>
<tr><td>Log Highlights:</td><td>Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Thu Jan 8 15:30:31 EST 2009
Acquisition finished: Thu Jan 8 15:33:25 EST 2009

Complete representation of known data via generated reports was successful
Complete representation of known data via preview-pane was successful
Device hash reporting for individual acquired data elements was successful</td></tr>
<tr><td>Results:</td><td><table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>A_IMO-23 Comparison of known device data elements via generated reports.</td><td>as expected</td></tr><tr><td>A_IMO-24 Comparison of known device data elements via preview-pane.</td><td>as expected</td></tr><tr><td>A_IMO-39 Device hash reporting for individual acquired data objects.</td><td>as expected</td></tr></table></td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.68 CFT-IM-01 (SPH a660)

Test Case CFT-IM-01 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-01 Acquire mobile device internal memory over supported interfaces (e.g., cable, Bluetooth, IrDA).
Assertions:	A_IM-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).
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Jan 9 08:32:01 EST 2009
Device:	Samsung_SPHa660
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log	Created By Cellebrite 1.1.0.5 UFED

<table>
<tr><th colspan="2">Test Case CFT-IM-01 Cellebrite Version 1.1.0.5</th></tr>
<tr><td>Highlights:</td><td>Acquisition started: Fri Jan 9 08:32:01 EST 2009
Acquisition finished: Fri Jan 9 08:38:11 EST 2009

Device connectivity was established via supported interface</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>A_IM-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.69 CFT-IM-02 (SPH a660)

Test Case CFT-IM-02 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-02 Attempt internal memory acquisition of a non-supported mobile device.
Assertions:	A_IM-02 If a cellular forensic tool attempts to connect to a non-supported device then the tool shall have the ability to identify that the device is not supported.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Jan 9 08:39:05 EST 2009
Device:	non_supported_device
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log	Created By Cellebrite 1.1.0.5 UFED

<table>
<tr><th colspan="2">Test Case CFT-IM-02 Cellebrite Version 1.1.0.5</th></tr>
<tr><td>Highlights:</td><td>Acquisition started: Fri Jan 9 08:39:05 EST 2009
Acquisition finished: Fri Jan 9 08:40:12 EST 2009

Identification of non-supported devices was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>A_IM-02 Identification of non-supported devices.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.70 CFT-IM-03 (SPH a660)

Test Case CFT-IM-03 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-03 Begin mobile device internal memory acquisition and interrupt connectivity by interface disengagement.
Assertions:	A_IM-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). A_IM-03 If a cellular forensic tool encounters disengagement between the device and application then the application shall notify the user that connectivity has been disrupted.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Jan 9 08:40:36 EST 2009
Device:	Samsung_SPHa660
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Test Case CFT-IM-03 Cellebrite Version 1.1.0.5	
Log Highlights:	Created By Cellebrite 1.1.0.5 UFED Acquisition started: Fri Jan 9 08:40:36 EST 2009 Acquisition finished: Fri Jan 9 08:41:16 EST 2009 Device connectivity was established via supported interface Device acquisition disruption notification was successful
Results:	

Assertion & Expected Result	**Actual Result**
A_IM-01 Device connectivity via supported interfaces.	as expected
A_IM-03 Notification of device acquisition disruption.	as expected

Analysis:	Expected results achieved

5.2.71 CFT-IM-04 (SPH a660)

Test Case CFT-IM-04 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-04 Acquire mobile device internal memory and review reported data via the preview-pane or generated reports for readability.
Assertions:	A_IM-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). A_IM-04 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall have the ability to present acquired data elements in a human-readable format via either a preview-pane or generated report.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Jan 9 08:41:57 EST 2009
Device:	Samsung_SPHa660
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

<table>
<tr><th colspan="2">Test Case CFT-IM-04 Cellebrite Version 1.1.0.5</th></tr>
<tr><td></td><td></td></tr>
<tr><td>Log Highlights:</td><td>Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Fri Jan 9 08:41:57 EST 2009
Acquisition finished: Fri Jan 9 08:43:39 EST 2009

Device connectivity was established via supported interface
Readability and completeness of acquired data was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>A_IM-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr>
<tr><td>A_IM-04 Readability and completeness of acquired data via supported reports.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.72 CFT-IM-05 (SPH a660)

Test Case CFT-IM-05 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-05 Acquire mobile device internal memory and review reported subscriber and equipment related information (i.e., MEID, MSISDN).
Assertions:	A_IM-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). A_IM-04 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall have the ability to present acquired data elements in a human-readable format via either a preview-pane or generated report. A_IM-05 If a cellular forensic tool successfully completes acquisition of the target device then subscriber related information shall be presented in a human-readable format without modification. A_IM-06 If a cellular forensic tool successfully completes acquisition of the target device then equipment related information shall be presented in a human-readable format without modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Jan 9 08:44:10 EST 2009
Device:	Samsung_SPHa660
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	

Test Case CFT-IM-05 Cellebrite Version 1.1.0.5	
	<table><tr><td></td><td>Audio</td></tr><tr><td></td><td>Audio - Deleted</td></tr><tr><td></td><td>Image</td></tr><tr><td></td><td>Image - Deleted</td></tr><tr><td></td><td>Video</td></tr><tr><td></td><td>Video - Deleted</td></tr></table>
Log Highlights:	Created By Cellebrite 1.1.0.5 UFED Acquisition started: Fri Jan 9 08:44:10 EST 2009 Acquisition finished: Fri Jan 9 08:45:51 EST 2009 Device connectivity was established via supported interface Readability and completeness of acquired data was successful Subscriber and Equipment related data (i.e., MSISDN, MEID) were acquired **Notes:** The MIN was extracted instead of the MSISDN.
Results:	<table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>A_IM-01 Device connectivity via supported interfaces.</td><td>as expected</td></tr><tr><td>A_IM-04 Readability and completeness of acquired data via supported reports.</td><td>as expected</td></tr><tr><td>A_IM-05 Acquisition of MSISDN.</td><td>Not as expected</td></tr><tr><td>A_IM-06 Acquisition of MEID.</td><td>as expected</td></tr></table>
Analysis:	Expected results NOT achieved

5.2.73 CFT-IM-06 (SPH a660)

Test Case CFT-IM-06 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IM-06 Acquire mobile device internal memory and review reported PIM related data.
Assertions:	A_IM-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). A_IM-04 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall have the ability to present acquired data elements in a human-readable format via either a preview-pane or generated report. A_IM-07 If a cellular forensic tool successfully completes acquisition of the target device then all known address book entries shall be presented in a human-readable format without modification. A_IM-08 If a cellular forensic tool successfully completes acquisition of the target device then all known maximum length address book entries shall be presented in a human-readable format without modification. A_IM-09 If a cellular forensic tool successfully completes acquisition of the target device then all known address book entries containing special characters shall be presented in a human-readable format without modification. A_IM-10 If a cellular forensic tool successfully completes acquisition of the target device then all known address book entries containing blank names shall be presented in a human-readable format without modification. A_IM-11 If a cellular forensic tool successfully completes acquisition of the target device then all known email addresses associated with address book entries shall be presented in a human-readable format without modification. A_IM-12 If a cellular forensic tool successfully completes acquisition of the target device then all known graphics associated with address book entries shall be presented in a human-readable format without modification. A_IM-13 If a cellular forensic tool successfully completes acquisition of the target device then all known datebook, calendar, note entries shall be presented in a human-readable format without modification. A_IM-14 If a cellular forensic tool successfully completes acquisition of the target device then all maximum length datebook, calendar, note entries shall be presented in a human readable format without modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Jan 9 08:46:59 EST 2009
Device:	Samsung_SPHa660
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	

Test Case CFT-IM-06 Cellebrite Version 1.1.0.5

	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log Highlights:

Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Fri Jan 9 08:46:59 EST 2009
Acquisition finished: Fri Jan 9 08:48:39 EST 2009

Device connectivity was established via supported interface
Readability and completeness of acquired data was successful
All address book entries were successfully acquired
Basic PIM related data was not acquired - NOT SUPPORTED
Maximum length PIM related data was not acquired - NOT SUPPORTED

Notes:
Acquisition of PIM related data is NOT supported.

Results:

Assertion & Expected Result	**Actual Result**
A_IM-01 Device connectivity via supported interfaces.	as expected
A_IM-04 Readability and completeness of acquired data via supported reports.	as expected
A_IM-07 Acquisition of address book entries.	as expected
A_IM-08 Acquisition of maximum length address book entries.	as expected
A_IM-09 Acquisition of address book entries containing special characters.	as expected
A_IM-10 Acquisition of address book entries containing a blank name entry.	as expected
A_IM-11 Acquisition of embedded email addresses within address book entries.	as expected
A_IM-12 Acquisition of embedded graphics within address book entries.	as expected
A_IM-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	Not supported
A_IM-14 Acquisition of maximum length PIM data.	Not supported

Analysis: Expected results achieved

5.2.74 CFT-IMO-01 (SPH a660)

Test Case CFT-IMO-01 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-01 Acquire mobile device internal memory and review reported data via supported generated report formats.
Assertions:	A_IMO-23 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification via supported generated report formats.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Jan 9 08:52:28 EST 2009
Device:	Samsung_SPHa660
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log	Created By Cellebrite 1.1.0.5 UFED

<table>
<tr><td colspan="2">Test Case CFT-IMO-01 Cellebrite Version 1.1.0.5</td></tr>
<tr><td>Highlights:</td><td>Acquisition started: Fri Jan 9 08:52:28 EST 2009
Acquisition finished: Fri Jan 9 08:53:31 EST 2009

Complete representation of known data via generated reports was successful</td></tr>
<tr><td>Results:</td><td><table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>A_IMO-23 Comparison of known device data elements via generated reports.</td><td>as expected</td></tr>
</table></td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.75 CFT-IMO-02 (SPH a660)

Test Case CFT-IMO-02 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-02 Acquire mobile device internal memory and review reported data via the preview-pane.
Assertions:	A_IMO-24 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification in a preview-pane view.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Jan 9 08:53:52 EST 2009
Device:	Samsung_SPHa660
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log	Created By Cellebrite 1.1.0.5 UFED

<table>
<tr><td colspan="2">Test Case CFT-IMO-02 Cellebrite Version 1.1.0.5</td></tr>
<tr><td>Highlights:</td><td>Acquisition started: Fri Jan 9 08:53:52 EST 2009
Acquisition finished: Fri Jan 9 08:55:43 EST 2009

Complete representation of known data via preview-pane was successful</td></tr>
<tr><td>Results:</td><td>
<table>
<tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr>
<tr><td>A_IMO-24 Comparison of known device data elements via preview-pane.</td><td>as expected</td></tr>
</table>
</td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.76 CFT-IMO-03 (SPH a660)

Test Case CFT-IMO-03 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-03 Acquire mobile device internal memory and compare reported data via the preview-pane and supported generated reports.
Assertions:	A_IMO-23 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification via supported generated report formats. A_IMO-24 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification in a preview-pane view. A_IMO-25 If a cellular forensic tool provides a preview-pane view and a generated report of the acquired data then the reports shall maintain consistency of all reported data elements.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Jan 9 08:56:05 EST 2009
Device:	Samsung_SPHa660
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video

<table>
<tr><td colspan="2">Test Case CFT-IMO-03 Cellebrite Version 1.1.0.5</td></tr>
<tr><td></td><td><table><tr><td></td><td>Video - Deleted</td></tr></table></td></tr>
<tr><td>Log Highlights:</td><td>Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Fri Jan 9 08:56:05 EST 2009
Acquisition finished: Fri Jan 9 08:58:33 EST 2009

Complete representation of known data via generated reports was successful
Complete representation of known data via preview-pane was successful
Consistency between generated reports and preview-pane was successful</td></tr>
<tr><td>Results:</td><td><table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>A_IMO-23 Comparison of known device data elements via generated reports.</td><td>as expected</td></tr><tr><td>A_IMO-24 Comparison of known device data elements via preview-pane.</td><td>as expected</td></tr><tr><td>A_IMO-25 Compare generated reports and preview-pane views for device acquisition.</td><td>as expected</td></tr></table></td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

5.2.77 CFT-IMO-04 (SPH a660)

Test Case CFT-IMO-04 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-04 After a successful mobile device internal memory acquisition, alter the case file via third party means and attempt to re-open the case.
Assertions:	A_IMO-26 If modification is attempted to the case file or individual data elements 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 Jan 9 08:59:17 EST 2009
Device:	Samsung_SPHa660
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log	Created By Cellebrite 1.1.0.5 UFED

Test Case CFT-IMO-04 Cellebrite Version 1.1.0.5	
Highlights:	Acquisition started: Fri Jan 9 08:59:17 EST 2009 Acquisition finished: Fri Jan 9 09:01:05 EST 2009 Notification of modified case data was successful
Results:	

Assertion & Expected Result	Actual Result
A_IMO-26 Notification of modified device case data.	as expected

Analysis:	Expected results achieved

5.2.78 CFT-IMO-08 (SPH a660)

Test Case CFT-IMO-08 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-08 Acquire mobile device internal memory and review data containing foreign language characters.
Assertions:	A_IMO-23 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification via supported generated report formats. A_IMO-24 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification in a preview-pane view. A_IMO-37 If the cellular forensic tool supports proper display of foreign language character sets then the application should present address book entries containing foreign language characters in their native format without modification. A_IMO-38 If the cellular forensic tool supports proper display of foreign language character sets then the application should present text messages containing foreign language characters in their native format without modification.
Tester Name:	rpa
Test Host:	Morrisy
Test Date:	Fri Jan 9 09:04:55 EST 2009
Device:	Samsung_SPHa660
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video

Test Case CFT-IMO-08 Cellebrite Version 1.1.0.5

Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video
	Video - Deleted

Log Highlights:

Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Fri Jan 9 09:04:55 EST 2009
Acquisition finished: Fri Jan 9 09:11:27 EST 2009

Complete representation of known data via generated reports was successful
Complete representation of known data via preview-pane was successful
Foreign character Address book entries were acquired and properly displayed
Foreign character text messages were not acquired - NOT SUPPORTED

Notes:
Acquisition of text messages (i.e. SMS, EMS) is NOT supported.

Results:

Assertion & Expected Result	**Actual Result**
A_IMO-23 Comparison of known device data elements via generated reports.	as expected
A_IMO-24 Comparison of known device data elements via preview-pane.	as expected
A_IMO-37 Acquisition of address book entries containing foreign language characters.	as expected
A_IMO-38 Acquisition of outgoing text messages containing foreign language characters.	Not supported

Analysis: Expected results achieved

5.2.79 CFT-IMO-09 (SPH a660)

Test Case CFT-IMO-09 Cellebrite Version 1.1.0.5	
Case Summary:	CFT-IMO-09 Acquire mobile device internal memory and review hash values for vendor supported data objects.
Assertions:	A_IMO-23 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification via supported generated report formats. A_IMO-24 If a cellular forensic tool successfully completes acquisition of the target device then the tool shall present the acquired data without modification in a preview-pane view. A_IMO-39 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 Jan 9 09:12:57 EST 2009
Device:	Samsung_SPHa660
Source Setup:	OS: WIN XP Interface: cable

DATA OBJECTS	**DATA ELEMENTS**
Address Book Entries	
	Maximum Length
	Regular Length, email, picture
	Special Character
	Blank Name
	Regular Length, Deleted email - deleted picture
	Deleted Entry
	Foreign Entry
PIM Data	
	Maximum Length
	Regular Length
	Deleted Entry
	Special Character
Call Logs	
	Missed
	Missed - Deleted
	Incoming
	Incoming - Deleted
	Outgoing
	Outgoing - Deleted
Text Messages	
	Incoming SMS - Read
	Incoming SMS - Unread
	Incoming SMS - Deleted
	Outgoing SMS
	Outgoing SMS - Deleted
	Incoming EMS - Read
	Incoming EMS - Unread
	Incoming Foreign EMS - Read
	Incoming EMS - Deleted
	Outgoing EMS
	Outgoing EMS - Deleted
MMS Messages	
	Incoming Audio
	Incoming Image
	Incoming Video
	Outgoing Audio
	Outgoing Image
	Outgoing Video
Stand-alone data files	
	Audio
	Audio - Deleted
	Image
	Image - Deleted
	Video

<table>
<tr><td colspan="2">Test Case CFT-IMO-09 Cellebrite Version 1.1.0.5</td></tr>
<tr><td></td><td><table><tr><td></td><td>Video - Deleted</td></tr></table></td></tr>
<tr><td>Log Highlights:</td><td>Created By Cellebrite 1.1.0.5 UFED
Acquisition started: Fri Jan 9 09:12:57 EST 2009
Acquisition finished: Fri Jan 9 09:14:11 EST 2009

Complete representation of known data via generated reports was successful
Complete representation of known data via preview-pane was successful
Device hash reporting for individual acquired data elements was successful</td></tr>
<tr><td>Results:</td><td><table><tr><th>Assertion & Expected Result</th><th>Actual Result</th></tr><tr><td>A_IMO-23 Comparison of known device data elements via generated reports.</td><td>as expected</td></tr><tr><td>A_IMO-24 Comparison of known device data elements via preview-pane.</td><td>as expected</td></tr><tr><td>A_IMO-39 Device hash reporting for individual acquired data objects.</td><td>as expected</td></tr></table></td></tr>
<tr><td>Analysis:</td><td>Expected results achieved</td></tr>
</table>

About the National Institute of Justice

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

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

Strategic Goals

NIJ has seven strategic goals grouped into three categories:

Creating relevant knowledge and tools

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

Dissemination

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

Agency management

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

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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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