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Test Results for Mobile Device Acquisition Tool:
Final Data - Final Mobile Forensics 2.1.0.0313

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**Test Results for Mobile Device Acquisition Tool:
Final Data - Final Mobile Forensics 2.1.0.0313**



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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.cfft.nist.gov/>) are available for review and comment by the computer forensics community.

This document reports the results from testing Final Data's Final Mobile Forensics, version 2.1.0.0313, 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.cfft.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/cfft.htm>.

Test Results for Mobile Device Data Acquisition Tool

Tool Tested: Final Data – Final Mobile Forensics
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Run Environments: Windows XP Service Pack 2

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1 Results Summary

Except for the following test cases: CFT-IM-03 (LG vx5400, LG vx6100, MOTO v710, SCH u410, SCH u740, SPH a660), CFT-IM-06 (LG vx6100, SPH a660), CFT-IMO-04 (LG vx5400, LG vx6100, Moto V710, SCH u410, SCH u740, SPH a660), CFT-IMO-08 (LG vx5400, LG vx6100, Moto v710, SCH u410, SCH u740, SPH a660), the tested tool acquired all supported data objects completely and accurately from the selected test mobile devices (i.e., LG vx5400, LG vx6100, Moto v710, Samsung SCH u410, Samsung SCH u740, Samsung SPH a660). The exceptions are the following:

1. The user is not informed when connectivity is disrupted (i.e., the cable is removed from the mobile device). Test Case: CFT-IM-03 (LG VX5400, LG VX6100, Moto V710, Samsung SCH u410, SCH u740, SPH a660).
2. Address book entries are not reported properly when using the function: “separated names and numbers” for the LG vx6100. Reported address book do not provide an association between contact name and contact number for the SPH a660. Test Case: CFT-IM-06 (LG vx6100, SPH a660).
3. When attempting to open a case file that has been modified with a hex editor, examiners are not informed the case file has been modified. Note: While the tool does not provide a warning message, modified case files cannot be opened. Test Case: CFT-IMO-04 (LG vx5400, LG vx6100, Moto v710, SCH u410, SCH u740, SPH a660).
4. Address book entries and text messages containing non-ASCII characters such as: à, é were excluded from the address book entry and text message. Contacts and Text messages containing characters such as: 阿恶哈拉 were not reported. Test Case: CFT-IMO-08 (LG vx5400, LG vx6100, Moto v710, SCH u410, SCH u740, SPH a660).

Note: While Final Mobile Forensics does not have a physical plug-in for the Motorola v710 or Samsung SPH-a660, it is possible to recover deleted data from some CDMA phones via a logical acquisition as described below:

Motorola V710: Deleted contacts were recovered from the */DL_DMH_File*, deleted call logs were recovered from the */nvm/seem/syn_pb_db_info* and deleted text messages were recovered from the */nvm/seem/syn_messg* file.

Samsung SPH-a660: Deleted call logs were recovered from the */nvm/nvm/nmv_0001* file.

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–1c) list the features available in Final Mobile Forensics and the linked test cases. Tables (2a–2b) list the features not available in Final Mobile Forensics. Multiple tables are necessary due to individual mobile devices providing different features. Therefore, case selection is device dependent.

Table 1a: Selected Test Cases (LG VX5400)

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 file.	CFT-IMO-04
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 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
Acquire mobile device internal memory and review the overall case file hash.	CFT-IMO-10

Table 1b: Selected Test Cases (LG VX6100, Moto V710, SCH u410, SCH u740)

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 generated log files.	CFT-IMO-07
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
Acquire mobile device internal memory and review the overall case file hash.	CFT-IMO-10

Table 2a: Omitted Test Cases (LG VX6100, Moto V710, SCH u410, SCH u740)

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

Table 1c: Selected Test Cases (SPH-a660)

Supported Optional Feature	Cases selected for execution
Base Cases	CFT-IM-(01-08)
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 generated log files.	CFT-IMO-07
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
Acquire mobile device internal memory and review the overall case file hash.	CFT-IMO-10

Table 2b: Omitted Test Cases (Samsung SPH-a660)

Unsupported Feature / Optional Feature	Cases omitted (not executed)
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

3 Results by Test Assertion

Tables 3a–3d summarize the test results by assertion. The column labeled **Assertions 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)

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	3.1
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	1	

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.	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 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	
A_IM-16 If a cellular forensic tool successfully completes acquisition of the target device then all text messages (i.e., SMS, EMS) shall be presented in a human-readable format without modification.	1	
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	1	

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.	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.	7	
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.	7	
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	3.3
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-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.	1	
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.	1	
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.	1	
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.	1	
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.	1	
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.	1	

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.	1	
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.	1	
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).	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	3.4
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	3.4
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	
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.	1	

Table 3b: Assertions Tested (LG VX6100, SCH u410, 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).	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	3.1
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	3.2 (LG vx6100)
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 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	
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	
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	1	

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.	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.	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	3.3
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).	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	3.4
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	3.4
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	
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.	1	

Table 3c: 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	3.1
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 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_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-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	
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.	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.	6	
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	1	3.3

data elements via third-party means then the tool shall provide protection mechanisms disallowing or reporting data modification.		
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).	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	3.4
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	3.4
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.	1	

Table 3d: Assertions Tested (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).	7	
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
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.	5	
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	3.2
A_IM-08 If a cellular forensic tool successfully completes acquisition	1	

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.	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 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	
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	
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	3.3
A_IMO-36 If the cellular forensic tool supports log creation then the application should present the log files consistent with the application	1	

documentation (e.g., outlining the acquisition process).		
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	3.4
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	3.4
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	
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.	1	

Tables 4a–4c list the assertions that were not tested, usually due to the tool not supporting an optional feature.

Table 4a: Assertions Not Tested (LG VX6100, SCH u410, SCH u740)

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.

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.

Table 4c: Assertions Not Tested (Samsung SPH-a660)

Assertions not Tested
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.

3.1 Connectivity Disruption

No warnings of connectivity disruption (i.e., removing the cable from the mobile device interface) between the mobile device and acquisition software were reported for the following devices: LG vx5400, LG vx6100, Motorola v710, Samsung SCH u410, Samsung SCH u740, Samsung SPH a660.

3.2 Acquisition of Address Book Entries

The address book entries were reported in a fashion that did not provide an association between the contact name and the phone number for the following devices: LG vx6100, SPH a660.

When executing Final Mobile Forensics contacts analyzer function: “separated names and numbers (pentry, pnumber)” for the LG vx6100 all contact entries were not reported. Only one contact entry is reported and the entry contains the incorrect contact name. The contact name contains the e-mail address associated with the address book entry and the reported phone number is incorrect.

The report for the SPH a660 provides no association between the reported contact names and phone numbers for address book entries.

3.3 Data Integrity

No warning messages are provided to the user when attempting to reopen a case file that has been modified with a hex editor in a fashion that results in inconsistent case file hashes for the following devices: LG vx5400, LG vx6100, Motorola v710, Samsung SCH u410, Samsung SCH u740, Samsung SPH a660.

Note: While the tool does not provide a warning message, modified case files cannot be opened.

3.4 Acquisition of Data Containing Non-ASCII Characters

Address book entries containing non-ASCII characters were not reported in their native format (e.g., characters containing accent marks such as: à, é were excluded) for the following devices: LG vx5400, Motorola v710, Samsung SCH u740, Samsung SPH a660.

Text messages containing non-ASCII characters were not reported in their native format (e.g., characters containing accent marks such as: à, é were excluded from the text) for the following devices: LG vx5400, LG vx6100, Motorola v710, Samsung SCH u410, Samsung SCH u740, Samsung SPH a660.

Address book entries and text messages containing characters such as: 阿恶哈拉 were not reported.

4 Testing Environment

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

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 2 Test Results Report Key

Heading	Description
First Line:	Test case ID, name, and version of tool tested.
Case Summary:	Test case summary from <i>Non-GSM Mobile Tool Test Assertions and Test Plan Version 1.1</i> .
Assertions:	The test assertions applicable to the test case, selected from <i>Non-GSM Mobile Device Tool Test Assertions and Test Plan Version 1.1</i> .
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 Final Mobile Forensics Version 2.1.0.0313																																																																																			
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:	Mon Apr 20 07:35:58 EDT 2009																																																																																		
Device:	LG_vx5400																																																																																		
Source Setup:	OS: WIN XP Interface: cable																																																																																		
	<table border="1"> <thead> <tr> <th>DATA OBJECTS</th> <th>DATA ELEMENTS</th> </tr> </thead> <tbody> <tr> <td>Address Book Entries</td> <td>Maximum Length</td> </tr> <tr> <td></td> <td>Regular Length, email, picture</td> </tr> <tr> <td></td> <td>Special Character</td> </tr> <tr> <td></td> <td>Blank Name</td> </tr> <tr> <td></td> <td>Regular Length, Deleted email - deleted picture</td> </tr> <tr> <td></td> <td>Deleted Entry</td> </tr> <tr> <td></td> <td>Foreign Entry</td> </tr> <tr> <td>PIM Data</td> <td>Maximum Length</td> </tr> <tr> <td></td> <td>Regular Length</td> </tr> <tr> <td></td> <td>Deleted Entry</td> </tr> <tr> <td></td> <td>Special Character</td> </tr> <tr> <td>Call Logs</td> <td>Missed</td> </tr> <tr> <td></td> <td>Missed - Deleted</td> </tr> <tr> <td></td> <td>Incoming</td> </tr> <tr> <td></td> <td>Incoming - Deleted</td> </tr> <tr> <td></td> <td>Outgoing</td> </tr> <tr> <td></td> <td>Outgoing - Deleted</td> </tr> <tr> <td>Text Messages</td> <td>Incoming SMS - Read</td> </tr> <tr> <td></td> <td>Incoming SMS - Unread</td> </tr> <tr> <td></td> <td>Incoming SMS - Deleted</td> </tr> <tr> <td></td> <td>Outgoing SMS</td> </tr> <tr> <td></td> <td>Outgoing SMS - Deleted</td> </tr> <tr> <td></td> <td>Incoming EMS - Read</td> </tr> <tr> <td></td> <td>Incoming EMS - Unread</td> </tr> <tr> <td></td> <td>Incoming Foreign EMS - Read</td> </tr> <tr> <td></td> <td>Incoming EMS - Deleted</td> </tr> <tr> <td></td> <td>Outgoing EMS</td> </tr> <tr> <td></td> <td>Outgoing EMS - Deleted</td> </tr> <tr> <td>MMS Messages</td> <td>Incoming Audio</td> </tr> <tr> <td></td> <td>Incoming Image</td> </tr> <tr> <td></td> <td>Incoming Video</td> </tr> <tr> <td></td> <td>Outgoing Audio</td> </tr> <tr> <td></td> <td>Outgoing Image</td> </tr> <tr> <td></td> <td>Outgoing Video</td> </tr> <tr> <td>Stand-alone data files</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> </tbody> </table>	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
DATA OBJECTS	DATA ELEMENTS																																																																																		
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	Blank Name																																																																																		
	Regular Length, Deleted email - deleted picture																																																																																		
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PIM Data	Maximum Length																																																																																		
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	Outgoing SMS - Deleted																																																																																		
	Incoming EMS - Read																																																																																		
	Incoming EMS - Unread																																																																																		
	Incoming Foreign EMS - Read																																																																																		
	Incoming EMS - Deleted																																																																																		
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	Audio - Deleted																																																																																		
	Image																																																																																		
	Image - Deleted																																																																																		
	Video																																																																																		
	Video - Deleted																																																																																		

Test Case CFT-IM-01 Final Mobile Forensics Version 2.1.0.0313					
Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Mon Apr 20 07:35:58 EDT 2009 Acquisition finished: Mon Apr 20 07:45:10 EDT 2009</p> <p>Device connectivity was established via supported interface</p> <p>Notes: The following acquisition parameters were tested: Data Access Method: Serial Specify COM port Data Acquisition Plug-in Module: cdma_LG_Physical.dll</p> <p>Data Access Method: Serial LGE CDMA USB Serial Port Data Acquisition Plug-in Module: cdma_LG_Rev_3.dll</p>				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IM-01 Device connectivity via supported interfaces.</td> <td>as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IM-01 Device connectivity via supported interfaces.	as expected
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 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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:	Mon Apr 20 07:52:00 EDT 2009																																																																																														
Device:	non_supported_device																																																																																														
Source Setup:	<p>OS: WIN XP Interface: cable</p> <table border="1"> <thead> <tr> <th>DATA OBJECTS</th> <th>DATA ELEMENTS</th> </tr> </thead> <tbody> <tr> <td>Address Book Entries</td> <td></td> </tr> <tr> <td></td> <td>Maximum Length</td> </tr> <tr> <td></td> <td>Regular Length, email, picture</td> </tr> <tr> <td></td> <td>Special Character</td> </tr> <tr> <td></td> <td>Blank Name</td> </tr> <tr> <td></td> <td>Regular Length, Deleted email - deleted picture</td> </tr> <tr> <td></td> <td>Deleted Entry</td> </tr> <tr> <td></td> <td>Foreign Entry</td> </tr> <tr> <td>PIM Data</td> <td></td> </tr> <tr> <td></td> <td>Maximum Length</td> </tr> <tr> <td></td> <td>Regular Length</td> </tr> <tr> <td></td> <td>Deleted Entry</td> </tr> <tr> <td></td> <td>Special Character</td> </tr> <tr> <td>Call Logs</td> <td></td> </tr> <tr> <td></td> <td>Missed</td> </tr> <tr> <td></td> <td>Missed - Deleted</td> </tr> <tr> <td></td> <td>Incoming</td> </tr> <tr> <td></td> <td>Incoming - Deleted</td> </tr> <tr> <td></td> <td>Outgoing</td> </tr> <tr> <td></td> <td>Outgoing - Deleted</td> </tr> <tr> <td>Text Messages</td> <td></td> </tr> <tr> <td></td> <td>Incoming SMS - Read</td> </tr> <tr> <td></td> <td>Incoming SMS - Unread</td> </tr> <tr> <td></td> <td>Incoming SMS - Deleted</td> </tr> <tr> <td></td> <td>Outgoing SMS</td> </tr> <tr> <td></td> <td>Outgoing SMS - Deleted</td> </tr> <tr> <td></td> <td>Incoming EMS - Read</td> </tr> <tr> <td></td> <td>Incoming EMS - Unread</td> </tr> <tr> <td></td> <td>Incoming Foreign EMS - Read</td> </tr> <tr> <td></td> <td>Incoming EMS - Deleted</td> </tr> <tr> <td></td> <td>Outgoing EMS</td> </tr> <tr> <td></td> <td>Outgoing EMS - Deleted</td> </tr> <tr> <td>MMS Messages</td> <td></td> </tr> <tr> <td></td> <td>Incoming Audio</td> </tr> <tr> <td></td> <td>Incoming Image</td> </tr> <tr> <td></td> <td>Incoming Video</td> </tr> <tr> <td></td> <td>Outgoing Audio</td> </tr> <tr> <td></td> <td>Outgoing Image</td> </tr> <tr> <td></td> <td>Outgoing Video</td> </tr> <tr> <td>Stand-alone data files</td> <td></td> </tr> <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> </tbody> </table>	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
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Test Case CFT-IM-02 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	Acquisition started: Mon Apr 20 07:52:00 EDT 2009 Acquisition finished: Mon Apr 20 08:01:36 EDT 2009 Identification of non-supported devices was successful				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IM-02 Identification of non-supported devices.</td> <td>as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IM-02 Identification of non-supported devices.	as expected
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 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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.																																																																																														
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Test Date:	Mon Apr 20 08:35:34 EDT 2009																																																																																														
Device:	LG_vx5400																																																																																														
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Test Case CFT-IM-03 Final Mobile Forensics Version 2.1.0.0313							
Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Mon Apr 20 08:35:34 EDT 2009 Acquisition finished: Mon Apr 20 08:38:39 EDT 2009</p> <p>Device connectivity was established via supported interface Device acquisition disruption notification was not successful</p> <p>Notes: The following message was displayed when device connectivity was disrupted: "Notice: This model does not support physical extraction over USB." Physical extraction is supported see test case CFT-IM-01.</p>						
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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>Not as expected</td> </tr> </tbody> </table>	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
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						

5.2.4 CFT-IM-04 (LG VX5400)

Test Case CFT-IM-04 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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.																																																																																														
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Test Case CFT-IM-04 Final Mobile Forensics Version 2.1.0.0313							
Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Mon Apr 20 08:49:05 EDT 2009 Acquisition finished: Mon Apr 20 08:57:34 EDT 2009</p> <p>Device connectivity was established via supported interface Readability and completeness of acquired data was successful</p>						
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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						
Analysis:	Expected results achieved						

5.2.5 CFT-IM-05 (LG VX5400)

Test Case CFT-IM-05 Final Mobile Forensics Version 2.1.0.0313																																																																									
Case Summary:	CFT-IM-05 Acquire mobile device internal memory and review reported subscriber and equipment related information (i.e., MEID, MSISDN).																																																																								
Assertions:	<p>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).</p> <p>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.</p> <p>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.</p> <p>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.</p>																																																																								
Tester Name:	rpa																																																																								
Test Host:	Morrisy																																																																								
Test Date:	Tue Apr 21 07:36:22 EDT 2009																																																																								
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Source Setup:	<p>OS: WIN XP Interface: cable</p> <table border="1"> <thead> <tr> <th>DATA OBJECTS</th> <th>DATA ELEMENTS</th> </tr> </thead> <tbody> <tr> <td>Address Book Entries</td> <td>Maximum Length</td> </tr> <tr> <td></td> <td>Regular Length, email, picture</td> </tr> <tr> <td></td> <td>Special Character</td> </tr> <tr> <td></td> <td>Blank Name</td> </tr> <tr> <td></td> <td>Regular Length, Deleted email - deleted picture</td> </tr> <tr> <td></td> <td>Deleted Entry</td> </tr> <tr> <td></td> <td>Foreign Entry</td> </tr> <tr> <td>PIM Data</td> <td>Maximum Length</td> </tr> <tr> <td></td> <td>Regular Length</td> </tr> <tr> <td></td> <td>Deleted Entry</td> </tr> <tr> <td></td> <td>Special Character</td> </tr> <tr> <td>Call Logs</td> <td>Missed</td> </tr> <tr> <td></td> <td>Missed - Deleted</td> </tr> <tr> <td></td> <td>Incoming</td> </tr> <tr> <td></td> <td>Incoming - Deleted</td> </tr> <tr> <td></td> <td>Outgoing</td> </tr> <tr> <td></td> <td>Outgoing - Deleted</td> </tr> <tr> <td>Text Messages</td> <td>Incoming SMS - Read</td> </tr> <tr> <td></td> <td>Incoming SMS - Unread</td> </tr> <tr> <td></td> <td>Incoming SMS - Deleted</td> </tr> <tr> <td></td> <td>Outgoing SMS</td> </tr> <tr> <td></td> <td>Outgoing SMS - Deleted</td> </tr> <tr> <td></td> <td>Incoming EMS - Read</td> </tr> <tr> <td></td> <td>Incoming EMS - Unread</td> </tr> <tr> <td></td> <td>Incoming Foreign EMS - Read</td> </tr> <tr> <td></td> <td>Incoming EMS - Deleted</td> </tr> <tr> <td></td> <td>Outgoing EMS</td> </tr> <tr> <td></td> <td>Outgoing EMS - Deleted</td> </tr> <tr> <td>MMS Messages</td> <td>Incoming Audio</td> </tr> <tr> <td></td> <td>Incoming Image</td> </tr> <tr> <td></td> <td>Incoming Video</td> </tr> <tr> <td></td> <td>Outgoing Audio</td> </tr> <tr> <td></td> <td>Outgoing Image</td> </tr> <tr> <td></td> <td>Outgoing Video</td> </tr> <tr> <td></td> <td>Stand-alone data files</td> </tr> </tbody> </table>	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
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Test Case CFT-IM-05 Final Mobile Forensics Version 2.1.0.0313													
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	Audio - Deleted												
	Image												
	Image - Deleted												
	Video												
	Video - Deleted												
Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Tue Apr 21 07:36:22 EDT 2009 Acquisition finished: Tue Apr 21 07:38:28 EDT 2009</p> <p>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</p> <p>Notes: MEID and ESN are located in /nvm File names: \$SYS.ESN, \$SYS.MEID</p> <p>MSISDN acquisition is not applicable.</p>												
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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>NA</td> </tr> <tr> <td>A_IM-06 Acquisition of MEID.</td> <td>as expected</td> </tr> </tbody> </table>	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.	NA	A_IM-06 Acquisition of MEID.	as expected		
Assertion & Expected Result	Actual Result												
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A_IM-04 Readability and completeness of acquired data via supported reports.	as expected												
A_IM-05 Acquisition of MSISDN.	NA												
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 Final Mobile Forensics Version 2.1.0.0313																									
Case Summary:	CFT-IM-06 Acquire mobile device internal memory and review reported PIM related data.																								
Assertions:	<p>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).</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>																								
Tester Name:	rpa																								
Test Host:	Morrisy																								
Test Date:	Tue Apr 21 07:42:16 EDT 2009																								
Device:	LG_vx5400																								
Source Setup:	OS: WIN XP Interface: cable <table border="1"> <thead> <tr> <th>DATA OBJECTS</th> <th>DATA ELEMENTS</th> </tr> </thead> <tbody> <tr> <td rowspan="10">Address Book Entries</td> <td>Maximum Length</td> </tr> <tr> <td>Regular Length, email, picture</td> </tr> <tr> <td>Special Character</td> </tr> <tr> <td>Blank Name</td> </tr> <tr> <td>Regular Length, Deleted email - deleted picture</td> </tr> <tr> <td>Deleted Entry</td> </tr> <tr> <td>Foreign Entry</td> </tr> <tr> <td rowspan="4">PIM Data</td> <td>Maximum Length</td> </tr> <tr> <td>Regular Length</td> </tr> <tr> <td>Deleted Entry</td> </tr> <tr> <td>Special Character</td> </tr> <tr> <td rowspan="6">Call Logs</td> <td>Missed</td> </tr> <tr> <td>Missed - Deleted</td> </tr> <tr> <td>Incoming</td> </tr> <tr> <td>Incoming - Deleted</td> </tr> <tr> <td>Outgoing</td> </tr> <tr> <td>Outgoing - Deleted</td> </tr> <tr> <td>Text Messages</td> <td></td> </tr> </tbody> </table>	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	
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Test Case CFT-IM-06 Final Mobile Forensics Version 2.1.0.0313

	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 Final Mobile Forensics Version 2.1.0.0313
 Acquisition started: Tue Apr 21 07:42:16 EDT 2009
 Acquisition finished: Tue Apr 21 08:04:42 EDT 2009

Device connectivity was established via supported interface
 Readability and completeness of acquired data was successful
 All address book entries were successfully acquired
 ALL PIM related data was 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-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).	as expected
A_IM-14 Acquisition of maximum length PIM data.	as expected

Analysis: Expected results achieved

5.2.7 CFT-IM-07 (LG VX5400)

Test Case CFT-IM-07 Final Mobile Forensics Version 2.1.0.0313																																																																																									
Case Summary:	CFT-IM-07 Acquire mobile device internal memory and review reported call logs.																																																																																								
Assertions:	<p>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).</p> <p>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.</p> <p>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.</p>																																																																																								
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	Image - Deleted								
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Tue Apr 21 08:31:18 EDT 2009 Acquisition finished: Tue Apr 21 08:37:31 EDT 2009</p> <p>Device connectivity was established via supported interface Readability and completeness of acquired data was successful All Call Logs (incoming, outgoing) were acquired</p>								
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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								

5.2.8 CFT-IM-08 (LG VX5400)

Test Case CFT-IM-08 Final Mobile Forensics Version 2.1.0.0313																																																																																									
Case Summary:	CFT-IM-08 Acquire mobile device internal memory and review reported text messages.																																																																																								
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Tue Apr 21 08:38:04 EDT 2009 Acquisition finished: Tue Apr 21 08:44:32 EDT 2009</p> <p>Device connectivity was established via supported interface Readability and completeness of acquired data was successful ALL text messages (SMS, EMS) were acquired</p>								
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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-16 Acquisition of text messages.</td> <td>as expected</td> </tr> </tbody> </table>	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.	as expected
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A_IM-16 Acquisition of text messages.	as expected								
Analysis:	Expected results achieved								

5.2.9 CFT-IM-09 (LG VX5400)

Test Case CFT-IM-09 Final Mobile Forensics Version 2.1.0.0313																																																																													
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:	<p>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).</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>																																																																												
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Tue Apr 21 09:52:00 EDT 2009 Acquisition finished: Tue Apr 21 09:58:18 EDT 2009</p> <p>Device connectivity was established via supported interface Readability and completeness of acquired data was successful ALL MMS messages (Audio, Image, Video) were acquired</p> <p>Notes: Acquisition of Video files - NA</p>																		
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Analysis:	Expected results achieved																		

5.2.10 CFT-IM-10 (LG VX5400)

Test Case CFT-IM-10 Final Mobile Forensics Version 2.1.0.0313																																																																							
Case Summary:	CFT-IM-10 Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).																																																																						
Assertions:	<p>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).</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>																																																																						
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Tue Apr 21 09:59:34 EDT 2009 Acquisition finished: Tue Apr 21 10:13:13 EDT 2009</p> <p>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 - NA</p>																								
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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-20 Acquisition of stand-alone audio files.</td> <td>as expected</td> </tr> <tr> <td>A_IM-21 Acquisition of stand-alone graphic files.</td> <td>as expected</td> </tr> <tr> <td>A_IM-22 Acquisition of stand-alone video files.</td> <td>NA</td> </tr> </tbody> </table>	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												
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Analysis:	Expected results achieved																								

5.2.11 CFT-IMO-01 (LG VX5400)

Test Case CFT-IMO-01 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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.																																																																																														
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Log	Created By Final Mobile Forensics Version 2.1.0.0313																																																																																														

Test Case CFT-IMO-01 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	Acquisition started: Tue Apr 21 10:17:33 EDT 2009 Acquisition finished: Tue Apr 21 10:26:46 EDT 2009 Complete representation of known data via generated reports was successful				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IMO-23 Comparison of known device data elements via generated reports.</td> <td>as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IMO-23 Comparison of known device data elements via generated reports.	as expected
Assertion & Expected Result	Actual Result				
A_IMO-23 Comparison of known device data elements via generated reports.	as expected				
Analysis:	Expected results achieved				

5.2.12 CFT-IMO-02 (LG VX5400)

Test Case CFT-IMO-02 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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:	Tue Apr 21 10:27:58 EDT 2009																																																																																														
Device:	LG_vx5400																																																																																														
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Test Case CFT-IMO-02 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	Acquisition started: Tue Apr 21 10:27:58 EDT 2009 Acquisition finished: Tue Apr 21 10:30:41 EDT 2009 Complete representation of known data via preview-pane was successful				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IMO-24 Comparison of known device data elements via preview-pane.</td> <td>as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IMO-24 Comparison of known device data elements via preview-pane.	as expected
Assertion & Expected Result	Actual Result				
A_IMO-24 Comparison of known device data elements via preview-pane.	as expected				
Analysis:	Expected results achieved				

5.2.13 CFT-IMO-03 (LG VX5400)

Test Case CFT-IMO-03 Final Mobile Forensics Version 2.1.0.0313																																																																																													
Case Summary:	CFT-IMO-03 Acquire mobile device internal memory and compare reported data via the preview-pane and supported generated reports.																																																																																												
Assertions:	<p>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.</p> <p>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.</p> <p>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.</p>																																																																																												
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Test Host:	Morrisy																																																																																												
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Test Case CFT-IMO-03 Final Mobile Forensics Version 2.1.0.0313									
	Video - Deleted								
Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Tue Apr 21 10:31:07 EDT 2009 Acquisition finished: Tue Apr 21 10:36:30 EDT 2009</p> <p>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</p>								
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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> </tbody> </table>	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-25 Compare generated reports and preview-pane views for device acquisition.	as expected
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-25 Compare generated reports and preview-pane views for device acquisition.	as expected								
Analysis:	Expected results achieved								

5.2.14 CFT-IMO-04 (LG VX5400)

Test Case CFT-IMO-04 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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:	Tue Apr 21 12:55:02 EDT 2009																																																																																														
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Log	Created By Final Mobile Forensics Version 2.1.0.0313																																																																																														

Test Case CFT-IMO-04 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	<p>Acquisition started: Tue Apr 21 12:55:02 EDT 2009 Acquisition finished: Tue Apr 21 13:23:13 EDT 2009</p> <p>Notification of modified case data was not successful</p> <p>Notes: Warning messages informing the examiner that the case data has been modified are not displayed.</p>				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IMO-26 Notification of modified device case data.</td> <td>NOT as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IMO-26 Notification of modified device case data.	NOT as expected
Assertion & Expected Result	Actual Result				
A_IMO-26 Notification of modified device case data.	NOT as expected				
Analysis:	Expected results NOT achieved				

5.2.15 CFT-IMO-05 (LG VX5400)

Test Case CFT-IMO-05 Final Mobile Forensics Version 2.1.0.0313																																																																																													
Case Summary:	CFT-IMO-05 Perform a physical acquisition and review data output for readability.																																																																																												
Assertions:	<p>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.</p> <p>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.</p> <p>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.</p>																																																																																												
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Test Host:	Morrisy																																																																																												
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Test Case CFT-IMO-05 Final Mobile Forensics Version 2.1.0.0313									
	Video - Deleted								
Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Tue Apr 21 13:30:34 EDT 2009 Acquisition finished: Tue Apr 21 13:53:55 EDT 2009</p> <p>Complete representation of known data via generated reports was successful Complete representation of known data via preview-pane was successful Physical Acquisition: readability and completeness was successful</p>								
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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-27 Readability and completeness of data acquired via a physical acquisition.</td> <td>as expected</td> </tr> </tbody> </table>	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-27 Readability and completeness of data acquired via a physical acquisition.	as expected
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-27 Readability and completeness of data acquired via a physical acquisition.	as expected								
Analysis:	Expected results achieved								

5.2.16 CFT-IMO-06 (LG VX5400)

Test Case CFT-IMO-06 Final Mobile Forensics Version 2.1.0.0313																				
Case Summary:	CFT-IMO-06 Perform a physical acquisition and review reports for recoverable deleted data.																			
Assertions:	<p>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.</p> <p>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.</p> <p>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 data or address book data remnants in a human-readable format.</p> <p>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 data remnants in a human-readable format.</p> <p>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 or call log data remnants in a human-readable format.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>																			
Tester Name:	rpa																			
Test Host:	Morrisy																			
Test Date:	Tue Apr 21 13:57:29 EDT 2009																			
Device:	LG_vx5400																			
Source Setup:	<p>OS: WIN XP Interface: cable</p> <table border="1"> <thead> <tr> <th>DATA OBJECTS</th> <th>DATA ELEMENTS</th> </tr> </thead> <tbody> <tr> <td rowspan="7">Address Book Entries</td> <td>Maximum Length</td> </tr> <tr> <td>Regular Length, email, picture</td> </tr> <tr> <td>Special Character</td> </tr> <tr> <td>Blank Name</td> </tr> <tr> <td>Regular Length, Deleted email - deleted picture</td> </tr> <tr> <td>Deleted Entry</td> </tr> <tr> <td>Foreign Entry</td> </tr> <tr> <td rowspan="4">PIM Data</td> <td>Maximum Length</td> </tr> <tr> <td>Regular Length</td> </tr> <tr> <td>Deleted Entry</td> </tr> <tr> <td>Special Character</td> </tr> <tr> <td rowspan="3">Call Logs</td> <td>Missed</td> </tr> <tr> <td>Missed - Deleted</td> </tr> <tr> <td></td> </tr> </tbody> </table>	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	
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	Foreign Entry																			
PIM Data	Maximum Length																			
	Regular Length																			
	Deleted Entry																			
	Special Character																			
Call Logs	Missed																			
	Missed - Deleted																			

Test Case CFT-IMO-06 Final Mobile Forensics Version 2.1.0.0313

	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 Highlights:

Created By Final Mobile Forensics Version 2.1.0.0313
 Acquisition started: Tue Apr 21 13:57:29 EDT 2009
 Acquisition finished: Tue Apr 21 14:05:29 EDT 2009

Complete representation of known data via generated reports was successful
 Complete representation of known data via preview-pane was successful
 Physical Acquisition: readability and completeness was successful
 Partial deleted address book entries were recovered
 Partial deleted PIM data was recovered
 Deleted Call log data was not recovered - NA
 Deleted text message data was not recovered - NA
 Deleted audio data was not recovered - NA
 Deleted graphic data was not recovered - NA
 Deleted video data was not recovered - NA

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-28 Physical acquisition, recovery of deleted address book entries.	as expected
A_IMO-29 Physical acquisition, recovery of deleted PIM data.	as expected
A_IMO-30 Physical acquisition, recovery of deleted call logs.	NA
A_IMO-31 Physical acquisition, recovery of deleted SMS messages.	NA
A_IMO-32 Physical acquisition, recovery of deleted EMS messages.	NA
A_IMO-33 Physical acquisition, recovery of deleted stand-alone audio files.	NA

Test Case CFT-IMO-06 Final Mobile Forensics Version 2.1.0.0313		
	A_IMO-34 Physical acquisition, recovery of deleted graphic files.	NA
	A_IMO-35 Physical acquisition, recovery of deleted video files.	NA
Analysis:	Expected results achieved	

5.2.17 CFT-IMO-07 (LG VX5400)

Test Case CFT-IMO-07 Final Mobile Forensics Version 2.1.0.0313																																																																																															
Case Summary:	CFT-IMO-07 Acquire mobile device internal memory and review generated log files.																																																																																														
Assertions:	A IMO-36 If the cellular forensic tool supports log creation then the application should present the log files outlining the acquisition process in a human-readable format.																																																																																														
Tester Name:	rpa																																																																																														
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Test Case CFT-IMO-07 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	<p>Acquisition started: Tue Apr 21 14:15:01 EDT 2009 Acquisition finished: Tue Apr 21 14:16:55 EDT 2009</p> <p>Creation of complete and human-readable log files was successful</p>				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IMO-36 Device Log file output.</td> <td>as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IMO-36 Device Log file output.	as expected
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A_IMO-36 Device Log file output.	as expected				
Analysis:	Expected results achieved				

5.2.18 CFT-IMO-08 (LG VX5400)

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Case Summary:	CFT-IMO-08 Acquire mobile device internal memory and review data containing foreign language characters.																																																																																
Assertions:	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>																																																																																
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Tue Apr 21 14:17:34 EDT 2009 Acquisition finished: Tue Apr 21 14:20:45 EDT 2009</p> <p>Complete representation of known data via generated reports was not successful Complete representation of known data via preview-pane was not successful Foreign character Address book entries were acquired and properly displayed - Partial Foreign character text messages were acquired but not properly displayed</p> <p>Notes: Address book entries containing Non-ASCII characters were not displayed properly in the generated report.</p> <p>Text messages containing Non-ASCII characters were not displayed properly in the preview-pane view or generated report.</p>														
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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-37 Acquisition of address book entries containing foreign language characters.</td> <td>Partial</td> </tr> <tr> <td>A_IMO-38 Acquisition of outgoing text messages containing foreign language characters.</td> <td>NOT as expected</td> </tr> </tbody> </table>	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.	Partial	A_IMO-38 Acquisition of outgoing text messages containing foreign language characters.	NOT as expected				
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Analysis:	Expected results NOT achieved														

5.2.19 CFT-IMO-09 (LG VX5400)

Test Case CFT-IMO-09 Final Mobile Forensics Version 2.1.0.0313																																																																																													
Case Summary:	CFT-IMO-09 Acquire mobile device internal memory and review hash values for vendor supported data objects.																																																																																												
Assertions:	<p>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.</p> <p>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.</p> <p>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.</p>																																																																																												
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Test Case CFT-IMO-09 Final Mobile Forensics Version 2.1.0.0313									
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Tue Apr 21 14:41:08 EDT 2009 Acquisition finished: Tue Apr 21 14:49:05 EDT 2009</p> <p>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</p>								
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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> </tbody> </table>	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-39 Device hash reporting for individual acquired data objects.	as expected
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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-39 Device hash reporting for individual acquired data objects.	as expected								
Analysis:	Expected results achieved								

5.2.20 CFT-IMO-10 (LG VX5400)

Test Case CFT-IMO-10 Final Mobile Forensics Version 2.1.0.0313																																																																																													
Case Summary:	CFT-IMO-10 Acquire mobile device internal memory and review the overall case file hash.																																																																																												
Assertions:	<p>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.</p> <p>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.</p> <p>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.</p>																																																																																												
Tester Name:	rpa																																																																																												
Test Host:	Morrisy																																																																																												
Test Date:	Tue Apr 21 14:49:28 EDT 2009																																																																																												
Device:	LG_vx5400																																																																																												
Source Setup:	<p>OS: WIN XP Interface: cable</p> <table border="1"> <thead> <tr> <th>DATA OBJECTS</th> <th>DATA ELEMENTS</th> </tr> </thead> <tbody> <tr> <td>Address Book Entries</td> <td></td> </tr> <tr> <td></td> <td>Maximum Length</td> </tr> <tr> <td></td> <td>Regular Length, email, picture</td> </tr> <tr> <td></td> <td>Special Character</td> </tr> <tr> <td></td> <td>Blank Name</td> </tr> <tr> <td></td> <td>Regular Length, Deleted email - deleted picture</td> </tr> <tr> <td></td> <td>Deleted Entry</td> </tr> <tr> <td></td> <td>Foreign Entry</td> </tr> <tr> <td>PIM Data</td> <td></td> </tr> <tr> <td></td> <td>Maximum Length</td> </tr> <tr> <td></td> <td>Regular Length</td> </tr> <tr> <td></td> <td>Deleted Entry</td> </tr> <tr> <td></td> <td>Special Character</td> </tr> <tr> <td>Call Logs</td> <td></td> </tr> <tr> <td></td> <td>Missed</td> </tr> <tr> <td></td> <td>Missed - Deleted</td> </tr> <tr> <td></td> <td>Incoming</td> </tr> <tr> <td></td> <td>Incoming - Deleted</td> </tr> <tr> <td></td> <td>Outgoing</td> </tr> <tr> <td></td> <td>Outgoing - Deleted</td> </tr> <tr> <td>Text Messages</td> <td></td> </tr> <tr> <td></td> <td>Incoming SMS - Read</td> </tr> <tr> <td></td> <td>Incoming SMS - Unread</td> </tr> <tr> <td></td> <td>Incoming SMS - Deleted</td> </tr> <tr> <td></td> <td>Outgoing SMS</td> </tr> <tr> <td></td> <td>Outgoing SMS - Deleted</td> </tr> <tr> <td></td> <td>Incoming EMS - Read</td> </tr> <tr> <td></td> <td>Incoming EMS - Unread</td> </tr> <tr> <td></td> <td>Incoming Foreign EMS - Read</td> </tr> <tr> <td></td> <td>Incoming EMS - Deleted</td> </tr> <tr> <td></td> <td>Outgoing EMS</td> </tr> <tr> <td></td> <td>Outgoing EMS - Deleted</td> </tr> <tr> <td>MMS Messages</td> <td></td> </tr> <tr> <td></td> <td>Incoming Audio</td> </tr> <tr> <td></td> <td>Incoming Image</td> </tr> <tr> <td></td> <td>Incoming Video</td> </tr> <tr> <td></td> <td>Outgoing Audio</td> </tr> <tr> <td></td> <td>Outgoing Image</td> </tr> <tr> <td></td> <td>Outgoing Video</td> </tr> <tr> <td>Stand-alone data files</td> <td></td> </tr> <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> </tbody> </table>	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
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Test Case CFT-IMO-10 Final Mobile Forensics Version 2.1.0.0313									
	Video - Deleted								
Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Tue Apr 21 14:49:28 EDT 2009 Acquisition finished: Tue Apr 21 14:52:47 EDT 2009</p> <p>Complete representation of known data via generated reports was successful Complete representation of known data via preview-pane was successful Device hash reporting for overall case file was successful</p>								
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A_IMO-40 Device hash reporting for overall case file.	as expected								
Analysis:	Expected results achieved								

5.2.21 CFT-IM-01 (LG VX6100)

Test Case CFT-IM-01 Final Mobile Forensics Version 2.1.0.0313																																																																																			
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 Apr 22 07:43:07 EDT 2009																																																																																		
Device:	LG_vx6100																																																																																		
Source Setup:	OS: WIN XP Interface: cable <table border="1"> <thead> <tr> <th>DATA OBJECTS</th> <th>DATA ELEMENTS</th> </tr> </thead> <tbody> <tr> <td>Address Book Entries</td> <td>Maximum Length</td> </tr> <tr> <td></td> <td>Regular Length, email, picture</td> </tr> <tr> <td></td> <td>Special Character</td> </tr> <tr> <td></td> <td>Blank Name</td> </tr> <tr> <td></td> <td>Regular Length, Deleted email - deleted picture</td> </tr> <tr> <td></td> <td>Deleted Entry</td> </tr> <tr> <td></td> <td>Foreign Entry</td> </tr> <tr> <td>PIM Data</td> <td>Maximum Length</td> </tr> <tr> <td></td> <td>Regular Length</td> </tr> <tr> <td></td> <td>Deleted Entry</td> </tr> <tr> <td></td> <td>Special Character</td> </tr> <tr> <td>Call Logs</td> <td>Missed</td> </tr> <tr> <td></td> <td>Missed - Deleted</td> </tr> <tr> <td></td> <td>Incoming</td> </tr> <tr> <td></td> <td>Incoming - Deleted</td> </tr> <tr> <td></td> <td>Outgoing</td> </tr> <tr> <td></td> <td>Outgoing - Deleted</td> </tr> <tr> <td>Text Messages</td> <td>Incoming SMS - Read</td> </tr> <tr> <td></td> <td>Incoming SMS - Unread</td> </tr> <tr> <td></td> <td>Incoming SMS - Deleted</td> </tr> <tr> <td></td> <td>Outgoing SMS</td> </tr> <tr> <td></td> <td>Outgoing SMS - Deleted</td> </tr> <tr> <td></td> <td>Incoming EMS - Read</td> </tr> <tr> <td></td> <td>Incoming EMS - Unread</td> </tr> <tr> <td></td> <td>Incoming Foreign EMS - Read</td> </tr> <tr> <td></td> <td>Incoming EMS - Deleted</td> </tr> <tr> <td></td> <td>Outgoing EMS</td> </tr> <tr> <td></td> <td>Outgoing EMS - Deleted</td> </tr> <tr> <td>MMS Messages</td> <td>Incoming Audio</td> </tr> <tr> <td></td> <td>Incoming Image</td> </tr> <tr> <td></td> <td>Incoming Video</td> </tr> <tr> <td></td> <td>Outgoing Audio</td> </tr> <tr> <td></td> <td>Outgoing Image</td> </tr> <tr> <td></td> <td>Outgoing Video</td> </tr> <tr> <td>Stand-alone data files</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> </tbody> </table>	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
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Log	Created By Final Mobile Forensics Version 2.1.0.0313																																																																																		

Test Case CFT-IM-01 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	Acquisition started: Wed Apr 22 07:43:07 EDT 2009 Acquisition finished: Wed Apr 22 07:45:59 EDT 2009 Device connectivity was established via supported interface				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IM-01 Device connectivity via supported interfaces.</td> <td>as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IM-01 Device connectivity via supported interfaces.	as expected
Assertion & Expected Result	Actual Result				
A_IM-01 Device connectivity via supported interfaces.	as expected				
Analysis:	Expected results achieved				

5.2.22 CFT-IM-02 (LG VX6100)

Test Case CFT-IM-02 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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 Apr 22 07:46:18 EDT 2009																																																																																														
Device:	LG_vx6100																																																																																														
Source Setup:	OS: WIN XP Interface: cable																																																																																														
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Log	Created By Final Mobile Forensics Version 2.1.0.0313																																																																																														

Test Case CFT-IM-02 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	Acquisition started: Wed Apr 22 07:46:18 EDT 2009 Acquisition finished: Wed Apr 22 07:51:13 EDT 2009 Identification of non-supported devices was successful				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IM-02 Identification of non-supported devices.</td> <td>as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IM-02 Identification of non-supported devices.	as expected
Assertion & Expected Result	Actual Result				
A_IM-02 Identification of non-supported devices.	as expected				
Analysis:	Expected results achieved				

5.2.23 CFT-IM-03 (LG VX6100)

Test Case CFT-IM-03 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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 Apr 22 07:51:34 EDT 2009																																																																																														
Device:	LG_vx6100																																																																																														
Source Setup:	OS: WIN XP Interface: cable																																																																																														
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Test Case CFT-IM-03 Final Mobile Forensics Version 2.1.0.0313							
Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Wed Apr 22 07:51:34 EDT 2009 Acquisition finished: Wed Apr 22 07:55:15 EDT 2009</p> <p>Device connectivity was established via supported interface Device acquisition disruption notification was not successful</p> <p>Notes: When connectivity is disrupted pulling the cable from the device, no warning messages are displayed to the examiner. The program stalls.</p>						
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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>Not as expected</td> </tr> </tbody> </table>	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
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						

5.2.24 CFT-IM-04 (LG VX6100)

Test Case CFT-IM-04 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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																																																																																														
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Source Setup:	OS: WIN XP Interface: cable																																																																																														
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Test Case CFT-IM-04 Final Mobile Forensics Version 2.1.0.0313							
Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Wed Apr 22 08:03:23 EDT 2009 Acquisition finished: Wed Apr 22 08:21:11 EDT 2009</p> <p>Device connectivity was established via supported interface Readability and completeness of acquired data was successful</p>						
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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> </tbody> </table>	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
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						
Analysis:	Expected results achieved						

5.2.25 CFT-IM-05 (LG VX6100)

Test Case CFT-IM-05 Final Mobile Forensics Version 2.1.0.0313																																																																									
Case Summary:	CFT-IM-05 Acquire mobile device internal memory and review reported subscriber and equipment related information (i.e., MEID, MSISDN).																																																																								
Assertions:	<p>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).</p> <p>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.</p> <p>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.</p> <p>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.</p>																																																																								
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Test Host:	Morrisy																																																																								
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Video											
Video - Deleted											
Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Wed Apr 22 08:21:31 EDT 2009 Acquisition finished: Wed Apr 22 08:24:31 EDT 2009</p> <p>Device connectivity was established via supported interface Readability and completeness of acquired data was successful MSISDN was not acquired - NA</p> <p>Notes: ESN are located in /nvm File names: \$SYS.ESN</p> <p>MSISDN acquisition is not applicable.</p>										
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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>NA</td> </tr> <tr> <td>A_IM-06 Acquisition of MEID.</td> <td>as expected</td> </tr> </tbody> </table>	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.	NA	A_IM-06 Acquisition of MEID.	as expected
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.	NA										
A_IM-06 Acquisition of MEID.	as expected										
Analysis:	Expected results achieved										

5.2.26 CFT-IM-06 (LG VX6100)

Test Case CFT-IM-06 Final Mobile Forensics Version 2.1.0.0313																										
Case Summary:	CFT-IM-06 Acquire mobile device internal memory and review reported PIM related data.																									
Assertions:	<p>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).</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>																									
Tester Name:	rpa																									
Test Host:	Morrisy																									
Test Date:	Wed Apr 22 08:27:05 EDT 2009																									
Device:	LG_vx6100																									
Source Setup:	<p>OS: WIN XP Interface: cable</p> <table border="1"> <thead> <tr> <th>DATA OBJECTS</th> <th>DATA ELEMENTS</th> </tr> </thead> <tbody> <tr> <td rowspan="10">Address Book Entries</td> <td>Maximum Length</td> </tr> <tr> <td>Regular Length, email, picture</td> </tr> <tr> <td>Special Character</td> </tr> <tr> <td>Blank Name</td> </tr> <tr> <td>Regular Length, Deleted email - deleted picture</td> </tr> <tr> <td>Deleted Entry</td> </tr> <tr> <td>Foreign Entry</td> </tr> <tr> <td rowspan="4">PIM Data</td> <td>Maximum Length</td> </tr> <tr> <td>Regular Length</td> </tr> <tr> <td>Deleted Entry</td> </tr> <tr> <td>Special Character</td> </tr> <tr> <td rowspan="6">Call Logs</td> <td>Missed</td> </tr> <tr> <td>Missed - Deleted</td> </tr> <tr> <td>Incoming</td> </tr> <tr> <td>Incoming - Deleted</td> </tr> <tr> <td>Outgoing</td> </tr> <tr> <td>Outgoing - Deleted</td> </tr> <tr> <td rowspan="2">Text Messages</td> <td></td> </tr> <tr> <td></td> </tr> </tbody> </table>	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		
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Test Case CFT-IM-06 Final Mobile Forensics Version 2.1.0.0313

	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 Final Mobile Forensics Version 2.1.0.0313
 Acquisition started: Wed Apr 22 08:27:05 EDT 2009
 Acquisition finished: Wed Apr 22 08:30:31 EDT 2009

Device connectivity was established via supported interface
 Readability and completeness of acquired data was successful
 All address book entries were successfully acquired*
 ALL PIM related data was acquired

Notes:
 Address book entries were presented in two separate files:
 pbentry.dat(contact names) and pbnumber.dat (phone numbers).

When attempting to combine the files using the: "seperated names and numbers" function, only one number was reported in the combined output.

The reported number contained an email address associated with the number.
 When executing the "seperated names and numbers" function the email address is reported under the name field instead of the actual contact name.

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.	Partial
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).	as expected
A_IM-14 Acquisition of maximum length PIM data.	as expected

Test Case CFT-IM-06 Final Mobile Forensics Version 2.1.0.0313	
Analysis:	Partial results achieved

5.2.27 CFT-IM-07 (LG VX6100)

Test Case CFT-IM-07 Final Mobile Forensics Version 2.1.0.0313																																																																																									
Case Summary:	CFT-IM-07 Acquire mobile device internal memory and review reported call logs.																																																																																								
Assertions:	<p>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).</p> <p>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.</p> <p>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.</p>																																																																																								
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	Video								
	Video - Deleted								
Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Wed Apr 22 08:42:30 EDT 2009 Acquisition finished: Wed Apr 22 08:46:42 EDT 2009</p> <p>Device connectivity was established via supported interface Readability and completeness of acquired data was successful All Call Logs (incoming, outgoing) were acquired</p>								
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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> </tbody> </table>	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
Assertion & Expected Result	Actual Result								
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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								

5.2.28 CFT-IM-08 (LG VX6100)

Test Case CFT-IM-08 Final Mobile Forensics Version 2.1.0.0313																																																																																									
Case Summary:	CFT-IM-08 Acquire mobile device internal memory and review reported text messages.																																																																																								
Assertions:	<p>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).</p> <p>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.</p> <p>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.</p>																																																																																								
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Wed Apr 22 08:47:06 EDT 2009 Acquisition finished: Wed Apr 22 08:52:49 EDT 2009</p> <p>Device connectivity was established via supported interface Readability and completeness of acquired data was successful ALL text messages (SMS, EMS) were acquired</p>								
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A_IM-04 Readability and completeness of acquired data via supported reports.	as expected								
A_IM-16 Acquisition of text messages.	as expected								
Analysis:	Expected results achieved								

5.2.29 CFT-IM-09 (LG VX6100)

Test Case CFT-IM-09 Final Mobile Forensics Version 2.1.0.0313																																								
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:	<p>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).</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>																																							
Tester Name:	rpa																																							
Test Host:	Morrisy																																							
Test Date:	Wed Apr 22 09:00:11 EDT 2009																																							
Device:	LG_vx6100																																							
Source Setup:	<p>OS: WIN XP Interface: cable</p> <table border="1"> <thead> <tr> <th>DATA OBJECTS</th> <th>DATA ELEMENTS</th> </tr> </thead> <tbody> <tr> <td rowspan="7">Address Book Entries</td> <td>Maximum Length</td> </tr> <tr> <td>Regular Length, email, picture</td> </tr> <tr> <td>Special Character</td> </tr> <tr> <td>Blank Name</td> </tr> <tr> <td>Regular Length, Deleted email - deleted picture</td> </tr> <tr> <td>Deleted Entry</td> </tr> <tr> <td>Foreign Entry</td> </tr> <tr> <td rowspan="4">PIM Data</td> <td>Maximum Length</td> </tr> <tr> <td>Regular Length</td> </tr> <tr> <td>Deleted Entry</td> </tr> <tr> <td>Special Character</td> </tr> <tr> <td rowspan="6">Call Logs</td> <td>Missed</td> </tr> <tr> <td>Missed - Deleted</td> </tr> <tr> <td>Incoming</td> </tr> <tr> <td>Incoming - Deleted</td> </tr> <tr> <td>Outgoing</td> </tr> <tr> <td>Outgoing - Deleted</td> </tr> <tr> <td rowspan="11">Text Messages</td> <td>Incoming SMS - Read</td> </tr> <tr> <td>Incoming SMS - Unread</td> </tr> <tr> <td>Incoming SMS - Deleted</td> </tr> <tr> <td>Outgoing SMS</td> </tr> <tr> <td>Outgoing SMS - Deleted</td> </tr> <tr> <td>Incoming EMS - Read</td> </tr> <tr> <td>Incoming EMS - Unread</td> </tr> <tr> <td>Incoming Foreign EMS - Read</td> </tr> <tr> <td>Incoming EMS - Deleted</td> </tr> <tr> <td>Outgoing EMS</td> </tr> <tr> <td>Outgoing EMS - Deleted</td> </tr> <tr> <td rowspan="4">MMS Messages</td> <td>Incoming Audio</td> </tr> <tr> <td>Incoming Image</td> </tr> <tr> <td>Incoming Video</td> </tr> <tr> <td>Outgoing Audio</td> </tr> </tbody> </table>	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
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Test Case CFT-IM-09 Final Mobile Forensics Version 2.1.0.0313																			
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	Audio																		
	Audio - Deleted																		
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	Image - Deleted																		
	Video																		
	Video - Deleted																		
Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Wed Apr 22 09:00:11 EDT 2009 Acquisition finished: Wed Apr 22 09:04:35 EDT 2009</p> <p>Device connectivity was established via supported interface Readability and completeness of acquired data was successful Audio MMS messages were acquired Image MMS messages were acquired Video MMS messages were not acquired - NA</p>																		
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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-17 Acquisition of audio MMS messages.</td> <td>as expected</td> </tr> <tr> <td>A_IM-18 Acquisition of image MMS messages.</td> <td>as expected</td> </tr> <tr> <td>A_IM-19 Acquisition of video MMS messages.</td> <td>NA</td> </tr> </tbody> </table>	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.	as expected	A_IM-18 Acquisition of image MMS messages.	as expected	A_IM-19 Acquisition of video MMS messages.	NA						
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5.2.30 CFT-IM-10 (LG VX6100)

Test Case CFT-IM-10 Final Mobile Forensics Version 2.1.0.0313																																																																							
Case Summary:	CFT-IM-10 Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).																																																																						
Assertions:	<p>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).</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>																																																																						
Tester Name:	rpa																																																																						
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Wed Apr 22 09:05:18 EDT 2009 Acquisition finished: Wed Apr 22 09:07:15 EDT 2009</p> <p>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 - NA</p>																								
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Analysis:	Expected results achieved																								

5.2.31 CFT-IMO-01 (LG VX6100)

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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.																																																																																														
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Test Case CFT-IMO-01 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	Acquisition started: Wed Apr 22 09:25:02 EDT 2009 Acquisition finished: Wed Apr 22 09:28:05 EDT 2009 Complete representation of known data via generated reports was successful				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IMO-23 Comparison of known device data elements via generated reports.</td> <td>as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IMO-23 Comparison of known device data elements via generated reports.	as expected
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A_IMO-23 Comparison of known device data elements via generated reports.	as expected				
Analysis:	Expected results achieved				

5.2.32 CFT-IMO-02 (LG VX6100)

Test Case CFT-IMO-02 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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 Apr 22 09:28:28 EDT 2009																																																																																														
Device:	LG_vx6100																																																																																														
Source Setup:	OS: WIN XP Interface: cable																																																																																														
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Log	Created By Final Mobile Forensics Version 2.1.0.0313																																																																																														

Test Case CFT-IMO-02 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	Acquisition started: Wed Apr 22 09:28:28 EDT 2009 Acquisition finished: Wed Apr 22 09:32:56 EDT 2009 Complete representation of known data via preview-pane was successful				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IMO-24 Comparison of known device data elements via preview-pane.</td> <td>as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IMO-24 Comparison of known device data elements via preview-pane.	as expected
Assertion & Expected Result	Actual Result				
A_IMO-24 Comparison of known device data elements via preview-pane.	as expected				
Analysis:	Expected results achieved				

5.2.33 CFT-IMO-03 (LG VX6100)

Test Case CFT-IMO-03 Final Mobile Forensics Version 2.1.0.0313																																																																																													
Case Summary:	CFT-IMO-03 Acquire mobile device internal memory and compare reported data via the preview-pane and supported generated reports.																																																																																												
Assertions:	<p>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.</p> <p>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.</p> <p>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.</p>																																																																																												
Tester Name:	rpa																																																																																												
Test Host:	Morrisy																																																																																												
Test Date:	Wed Apr 22 09:33:14 EDT 2009																																																																																												
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Test Case CFT-IMO-03 Final Mobile Forensics Version 2.1.0.0313									
	Video - Deleted								
Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Wed Apr 22 09:33:14 EDT 2009 Acquisition finished: Wed Apr 22 09:35:45 EDT 2009</p> <p>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</p>								
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A_IMO-25 Compare generated reports and preview-pane views for device acquisition.	as expected								
Analysis:	Expected results achieved								

5.2.34 CFT-IMO-04 (LG VX6100)

Test Case CFT-IMO-04 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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																																																																																														
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Test Case CFT-IMO-04 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	<p>Acquisition started: Wed Apr 22 09:36:10 EDT 2009 Acquisition finished: Wed Apr 22 09:42:40 EDT 2009</p> <p>Notification of modified case data was not successful</p> <p>Notes: Warning messages informing the examiner that the case data has been modified are not displayed.</p>				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IMO-26 Notification of modified device case data.</td> <td>Not as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IMO-26 Notification of modified device case data.	Not as expected
Assertion & Expected Result	Actual Result				
A_IMO-26 Notification of modified device case data.	Not as expected				
Analysis:	Expected results NOT achieved				

5.2.35 CFT-IMO-07 (LG VX6100)

Test Case CFT-IMO-07 Final Mobile Forensics Version 2.1.0.0313																																																																																															
Case Summary:	CFT-IMO-07 Acquire mobile device internal memory and review generated log files.																																																																																														
Assertions:	A IMO-36 If the cellular forensic tool supports log creation then the application should present the log files outlining the acquisition process in a human-readable format.																																																																																														
Tester Name:	rpa																																																																																														
Test Host:	Morrisy																																																																																														
Test Date:	Wed Apr 22 09:43:45 EDT 2009																																																																																														
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Test Case CFT-IMO-07 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	<p>Acquisition started: Wed Apr 22 09:43:45 EDT 2009 Acquisition finished: Wed Apr 22 09:49:04 EDT 2009</p> <p>Creation of complete and human-readable log files was successful</p>				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IMO-36 Device Log file output.</td> <td>as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IMO-36 Device Log file output.	as expected
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A_IMO-36 Device Log file output.	as expected				
Analysis:	Expected results achieved				

5.2.36 CFT-IMO-08 (LG VX6100)

Test Case CFT-IMO-08 Final Mobile Forensics Version 2.1.0.0313																																																																																	
Case Summary:	CFT-IMO-08 Acquire mobile device internal memory and review data containing foreign language characters.																																																																																
Assertions:	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>																																																																																
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Wed Apr 22 09:49:32 EDT 2009 Acquisition finished: Wed Apr 22 09:52:01 EDT 2009</p> <p>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 but not properly displayed Foreign character text messages were acquired but not properly displayed</p>														
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Analysis:	Expected results NOT achieved														

5.2.37 CFT-IMO-09 (LG VX6100)

Test Case CFT-IMO-09 Final Mobile Forensics Version 2.1.0.0313																																																																																													
Case Summary:	CFT-IMO-09 Acquire mobile device internal memory and review hash values for vendor supported data objects.																																																																																												
Assertions:	<p>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.</p> <p>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.</p> <p>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.</p>																																																																																												
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	Video																																																																																												

Test Case CFT-IMO-09 Final Mobile Forensics Version 2.1.0.0313									
	Video - Deleted								
Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Wed Apr 22 09:52:41 EDT 2009 Acquisition finished: Wed Apr 22 09:55:48 EDT 2009</p> <p>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</p>								
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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> </tbody> </table>	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-39 Device hash reporting for individual acquired data objects.	as expected
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-39 Device hash reporting for individual acquired data objects.	as expected								
Analysis:	Expected results achieved								

5.2.38 CFT-IMO-10 (LG VX6100)

Test Case CFT-IMO-10 Final Mobile Forensics Version 2.1.0.0313																																																																																													
Case Summary:	CFT-IMO-10 Acquire mobile device internal memory and review the overall case file hash.																																																																																												
Assertions:	<p>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.</p> <p>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.</p> <p>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.</p>																																																																																												
Tester Name:	rpa																																																																																												
Test Host:	Morrisy																																																																																												
Test Date:	Wed Apr 22 09:56:09 EDT 2009																																																																																												
Device:	LG_vx6100																																																																																												
Source Setup:	<p>OS: WIN XP Interface: cable</p> <table border="1"> <thead> <tr> <th>DATA OBJECTS</th> <th>DATA ELEMENTS</th> </tr> </thead> <tbody> <tr> <td>Address Book Entries</td> <td></td> </tr> <tr> <td></td> <td>Maximum Length</td> </tr> <tr> <td></td> <td>Regular Length, email, picture</td> </tr> <tr> <td></td> <td>Special Character</td> </tr> <tr> <td></td> <td>Blank Name</td> </tr> <tr> <td></td> <td>Regular Length, Deleted email - deleted picture</td> </tr> <tr> <td></td> <td>Deleted Entry</td> </tr> <tr> <td></td> <td>Foreign Entry</td> </tr> <tr> <td>PIM Data</td> <td></td> </tr> <tr> <td></td> <td>Maximum Length</td> </tr> <tr> <td></td> <td>Regular Length</td> </tr> <tr> <td></td> <td>Deleted Entry</td> </tr> <tr> <td></td> <td>Special Character</td> </tr> <tr> <td>Call Logs</td> <td></td> </tr> <tr> <td></td> <td>Missed</td> </tr> <tr> <td></td> <td>Missed - Deleted</td> </tr> <tr> <td></td> <td>Incoming</td> </tr> <tr> <td></td> <td>Incoming - Deleted</td> </tr> <tr> <td></td> <td>Outgoing</td> </tr> <tr> <td></td> <td>Outgoing - Deleted</td> </tr> <tr> <td>Text Messages</td> <td></td> </tr> <tr> <td></td> <td>Incoming SMS - Read</td> </tr> <tr> <td></td> <td>Incoming SMS - Unread</td> </tr> <tr> <td></td> <td>Incoming SMS - Deleted</td> </tr> <tr> <td></td> <td>Outgoing SMS</td> </tr> <tr> <td></td> <td>Outgoing SMS - Deleted</td> </tr> <tr> <td></td> <td>Incoming EMS - Read</td> </tr> <tr> <td></td> <td>Incoming EMS - Unread</td> </tr> <tr> <td></td> <td>Incoming Foreign EMS - Read</td> </tr> <tr> <td></td> <td>Incoming EMS - Deleted</td> </tr> <tr> <td></td> <td>Outgoing EMS</td> </tr> <tr> <td></td> <td>Outgoing EMS - Deleted</td> </tr> <tr> <td>MMS Messages</td> <td></td> </tr> <tr> <td></td> <td>Incoming Audio</td> </tr> <tr> <td></td> <td>Incoming Image</td> </tr> <tr> <td></td> <td>Incoming Video</td> </tr> <tr> <td></td> <td>Outgoing Audio</td> </tr> <tr> <td></td> <td>Outgoing Image</td> </tr> <tr> <td></td> <td>Outgoing Video</td> </tr> <tr> <td>Stand-alone data files</td> <td></td> </tr> <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> </tbody> </table>	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
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Wed Apr 22 09:56:09 EDT 2009 Acquisition finished: Wed Apr 22 10:20:02 EDT 2009</p> <p>Complete representation of known data via generated reports was successful Complete representation of known data via preview-pane was successful Device hash reporting for overall case file was successful</p>								
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Analysis:	Expected results achieved								

5.2.39 CFT-IM-01 (Moto V710)

Test Case CFT-IM-01 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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 Apr 22 12:11:49 EDT 2009																																																																																														
Device:	Motorola_v710																																																																																														
Source Setup:	OS: WIN XP Interface: cable																																																																																														
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Test Case CFT-IM-01 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	<p>Acquisition started: Wed Apr 22 12:11:49 EDT 2009 Acquisition finished: Wed Apr 22 12:19:53 EDT 2009</p> <p>Device connectivity was established via supported interface</p> <p>Notes: Plug-in: cdma_Motorola_Rev_3.dll was selected for acquisition.</p>				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IM-01 Device connectivity via supported interfaces.</td> <td>as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IM-01 Device connectivity via supported interfaces.	as expected
Assertion & Expected Result	Actual Result				
A_IM-01 Device connectivity via supported interfaces.	as expected				
Analysis:	Expected results achieved				

5.2.40 CFT-IM-02 (Moto V710)

Test Case CFT-IM-02 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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 Apr 22 12:21:06 EDT 2009																																																																																														
Device:	non_supported_device																																																																																														
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Test Case CFT-IM-02 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	Acquisition started: Wed Apr 22 12:21:06 EDT 2009 Acquisition finished: Wed Apr 22 12:23:11 EDT 2009 Identification of non-supported devices was successful				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IM-02 Identification of non-supported devices.</td> <td>as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IM-02 Identification of non-supported devices.	as expected
Assertion & Expected Result	Actual Result				
A_IM-02 Identification of non-supported devices.	as expected				
Analysis:	Expected results achieved				

5.2.41 CFT-IM-03 (Moto V710)

Test Case CFT-IM-03 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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 Apr 22 12:23:29 EDT 2009																																																																																														
Device:	Motorola_v710																																																																																														
Source Setup:	OS: WIN XP Interface: cable																																																																																														
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Test Case CFT-IM-03 Final Mobile Forensics Version 2.1.0.0313							
Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Wed Apr 22 12:23:29 EDT 2009 Acquisition finished: Wed Apr 22 12:25:01 EDT 2009</p> <p>Device connectivity was established via supported interface Device acquisition disruption notification was not successful</p> <p>Notes: When acquisition is disrupted, by pulling the cable from the device the tool continues to acquire data in queue and completes the partial acquisition without warning.</p>						
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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>Not as expected</td> </tr> </tbody> </table>	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
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						

5.2.42 CFT-IM-04 (Moto V710)

Test Case CFT-IM-04 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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.																																																																																														
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Test Case CFT-IM-04 Final Mobile Forensics Version 2.1.0.0313							
Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Wed Apr 22 12:28:47 EDT 2009 Acquisition finished: Wed Apr 22 12:33:20 EDT 2009</p> <p>Device connectivity was established via supported interface Readability and completeness of acquired data was successful</p>						
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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> </tbody> </table>	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
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						
Analysis:	Expected results achieved						

5.2.43 CFT-IM-05 (Moto V710)

Test Case CFT-IM-05 Final Mobile Forensics Version 2.1.0.0313																																																																									
Case Summary:	CFT-IM-05 Acquire mobile device internal memory and review reported subscriber and equipment related information (i.e., MEID, MSISDN).																																																																								
Assertions:	<p>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).</p> <p>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.</p> <p>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.</p> <p>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.</p>																																																																								
Tester Name:	rpa																																																																								
Test Host:	Morrisy																																																																								
Test Date:	Wed Apr 22 12:33:43 EDT 2009																																																																								
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Test Case CFT-IM-05 Final Mobile Forensics Version 2.1.0.0313													
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Wed Apr 22 12:33:43 EDT 2009 Acquisition finished: Wed Apr 22 12:37:31 EDT 2009</p> <p>Device connectivity was established via supported interface Readability and completeness of acquired data was successful MSISDN was not acquired - NA ESN was not acquired</p> <p>Notes: Acquisition of MSISDN - NA Acquisition of ESN was reported under the NVM folder, filename: \$SYS.ESN. The \$SYS.ESN file was blank. The ESN data is present in the generated HTML report.</p>												
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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>NA</td> </tr> <tr> <td>A_IM-06 Acquisition of ESN.</td> <td>as expected</td> </tr> </tbody> </table>	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.	NA	A_IM-06 Acquisition of ESN.	as expected		
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A_IM-06 Acquisition of ESN.	as expected												
Analysis:	Expected results achieved												

5.2.44 CFT-IM-06 (Moto V710)

Test Case CFT-IM-06 Final Mobile Forensics Version 2.1.0.0313																									
Case Summary:	CFT-IM-06 Acquire mobile device internal memory and review reported PIM related data.																								
Assertions:	<p>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).</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>																								
Tester Name:	rpa																								
Test Host:	Morrisy																								
Test Date:	Wed Apr 22 12:48:19 EDT 2009																								
Device:	Motorola_v710																								
Source Setup:	OS: WIN XP Interface: cable <table border="1"> <thead> <tr> <th>DATA OBJECTS</th> <th>DATA ELEMENTS</th> </tr> </thead> <tbody> <tr> <td rowspan="10">Address Book Entries</td> <td>Maximum Length</td> </tr> <tr> <td>Regular Length, email, picture</td> </tr> <tr> <td>Special Character</td> </tr> <tr> <td>Blank Name</td> </tr> <tr> <td>Regular Length, Deleted email - deleted picture</td> </tr> <tr> <td>Deleted Entry</td> </tr> <tr> <td>Foreign Entry</td> </tr> <tr> <td rowspan="4">PIM Data</td> <td>Maximum Length</td> </tr> <tr> <td>Regular Length</td> </tr> <tr> <td>Deleted Entry</td> </tr> <tr> <td>Special Character</td> </tr> <tr> <td rowspan="6">Call Logs</td> <td>Missed</td> </tr> <tr> <td>Missed - Deleted</td> </tr> <tr> <td>Incoming</td> </tr> <tr> <td>Incoming - Deleted</td> </tr> <tr> <td>Outgoing</td> </tr> <tr> <td>Outgoing - Deleted</td> </tr> <tr> <td rowspan="2">Text Messages</td> <td></td> </tr> </tbody> </table>	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	
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Test Case CFT-IM-06 Final Mobile Forensics Version 2.1.0.0313																																																			
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Wed Apr 22 12:48:19 EDT 2009 Acquisition finished: Wed Apr 22 12:58:59 EDT 2009</p> <p>Device connectivity was established via supported interface Readability and completeness of acquired data was successful All address book entries were successfully acquired ALL PIM related data was acquired</p> <p>Notes: The report-view pane contained duplicate entries for contacts containing non-ASCII characters.</p> <p>Maximum length address book entries were not listed in the report-view pane.</p>																																																		
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5.2.45 CFT-IM-07 (Moto V710)

Test Case CFT-IM-07 Final Mobile Forensics Version 2.1.0.0313																																																																																									
Case Summary:	CFT-IM-07 Acquire mobile device internal memory and review reported call logs.																																																																																								
Assertions:	<p>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).</p> <p>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.</p> <p>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.</p>																																																																																								
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	Image - Deleted								
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	Video - Deleted								
Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Wed Apr 22 13:05:27 EDT 2009 Acquisition finished: Wed Apr 22 13:08:42 EDT 2009</p> <p>Device connectivity was established via supported interface Readability and completeness of acquired data was successful All Call Logs (incoming, outgoing) were acquired</p>								
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Assertion & Expected Result	Actual Result								
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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								

5.2.46 CFT-IM-08 (Moto V710)

Test Case CFT-IM-08 Final Mobile Forensics Version 2.1.0.0313																																																																																									
Case Summary:	CFT-IM-08 Acquire mobile device internal memory and review reported text messages.																																																																																								
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	Image - Deleted								
	Video								
	Video - Deleted								
Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Wed Apr 22 13:12:43 EDT 2009 Acquisition finished: Wed Apr 22 13:19:44 EDT 2009</p> <p>Device connectivity was established via supported interface Readability and completeness of acquired data was successful Text messages were not acquired</p>								
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A_IM-16 Acquisition of text messages.	as expected								
Analysis:	Expected results achieved								

5.2.47 CFT-IM-09 (Moto V710)

Test Case CFT-IM-09 Final Mobile Forensics Version 2.1.0.0313																																								
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:	<p>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).</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>																																							
Tester Name:	rpa																																							
Test Host:	Morrisy																																							
Test Date:	Wed Apr 22 13:22:08 EDT 2009																																							
Device:	Motorola_v710																																							
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Test Case CFT-IM-09 Final Mobile Forensics Version 2.1.0.0313																			
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Wed Apr 22 13:22:08 EDT 2009 Acquisition finished: Wed Apr 22 13:30:24 EDT 2009</p> <p>Device connectivity was established via supported interface Readability and completeness of acquired data was successful ALL MMS messages (Audio, Image, Video) were acquired</p>																		
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Analysis:	Expected results achieved																		

5.2.48 CFT-IM-10 (Moto V710)

Test Case CFT-IM-10 Final Mobile Forensics Version 2.1.0.0313																																																																							
Case Summary:	CFT-IM-10 Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).																																																																						
Assertions:	<p>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).</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>																																																																						
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Wed Apr 22 13:30:43 EDT 2009 Acquisition finished: Wed Apr 22 13:35:59 EDT 2009</p> <p>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</p>																								
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5.2.49 CFT-IMO-01 (Moto V710)

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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.																																																																																														
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Test Case CFT-IMO-01 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	Acquisition started: Wed Apr 22 13:37:24 EDT 2009 Acquisition finished: Wed Apr 22 13:43:01 EDT 2009 Complete representation of known data via generated reports was successful				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IMO-23 Comparison of known device data elements via generated reports.</td> <td>as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IMO-23 Comparison of known device data elements via generated reports.	as expected
Assertion & Expected Result	Actual Result				
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Analysis:	Expected results achieved				

5.2.50 CFT-IMO-02 (Moto V710)

Test Case CFT-IMO-02 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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.																																																																																														
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Test Case CFT-IMO-02 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	Acquisition started: Wed Apr 22 13:43:24 EDT 2009 Acquisition finished: Wed Apr 22 13:49:39 EDT 2009 Complete representation of known data via preview-pane was successful				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IMO-24 Comparison of known device data elements via preview-pane.</td> <td>as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IMO-24 Comparison of known device data elements via preview-pane.	as expected
Assertion & Expected Result	Actual Result				
A_IMO-24 Comparison of known device data elements via preview-pane.	as expected				
Analysis:	Expected results achieved				

5.2.51 CFT-IMO-03 (Moto V710)

Test Case CFT-IMO-03 Final Mobile Forensics Version 2.1.0.0313																																																																																													
Case Summary:	CFT-IMO-03 Acquire mobile device internal memory and compare reported data via the preview-pane and supported generated reports.																																																																																												
Assertions:	<p>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.</p> <p>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.</p> <p>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.</p>																																																																																												
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Wed Apr 22 13:49:58 EDT 2009 Acquisition finished: Wed Apr 22 13:53:17 EDT 2009</p> <p>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</p>								
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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-25 Compare generated reports and preview-pane views for device acquisition.	as expected								
Analysis:	Expected results achieved								

5.2.52 CFT-IMO-04 (Moto V710)

Test Case CFT-IMO-04 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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 Apr 22 13:53:42 EDT 2009																																																																																														
Device:	Motorola_v710																																																																																														
Source Setup:	<p>OS: WIN XP Interface: cable</p> <table border="1"> <thead> <tr> <th>DATA OBJECTS</th> <th>DATA ELEMENTS</th> </tr> </thead> <tbody> <tr> <td>Address Book Entries</td> <td></td> </tr> <tr> <td></td> <td>Maximum Length</td> </tr> <tr> <td></td> <td>Regular Length, email, picture</td> </tr> <tr> <td></td> <td>Special Character</td> </tr> <tr> <td></td> <td>Blank Name</td> </tr> <tr> <td></td> <td>Regular Length, Deleted email - deleted picture</td> </tr> <tr> <td></td> <td>Deleted Entry</td> </tr> <tr> <td></td> <td>Foreign Entry</td> </tr> <tr> <td>PIM Data</td> <td></td> </tr> <tr> <td></td> <td>Maximum Length</td> </tr> <tr> <td></td> <td>Regular Length</td> </tr> <tr> <td></td> <td>Deleted Entry</td> </tr> <tr> <td></td> <td>Special Character</td> </tr> <tr> <td>Call Logs</td> <td></td> </tr> <tr> <td></td> <td>Missed</td> </tr> <tr> <td></td> <td>Missed - Deleted</td> </tr> <tr> <td></td> <td>Incoming</td> </tr> <tr> <td></td> <td>Incoming - Deleted</td> </tr> <tr> <td></td> <td>Outgoing</td> </tr> <tr> <td></td> <td>Outgoing - Deleted</td> </tr> <tr> <td>Text Messages</td> <td></td> </tr> <tr> <td></td> <td>Incoming SMS - Read</td> </tr> <tr> <td></td> <td>Incoming SMS - Unread</td> </tr> <tr> <td></td> <td>Incoming SMS - Deleted</td> </tr> <tr> <td></td> <td>Outgoing SMS</td> </tr> <tr> <td></td> <td>Outgoing SMS - Deleted</td> </tr> <tr> <td></td> <td>Incoming EMS - Read</td> </tr> <tr> <td></td> <td>Incoming EMS - Unread</td> </tr> <tr> <td></td> <td>Incoming Foreign EMS - Read</td> </tr> <tr> <td></td> <td>Incoming EMS - Deleted</td> </tr> <tr> <td></td> <td>Outgoing EMS</td> </tr> <tr> <td></td> <td>Outgoing EMS - Deleted</td> </tr> <tr> <td>MMS Messages</td> <td></td> </tr> <tr> <td></td> <td>Incoming Audio</td> </tr> <tr> <td></td> <td>Incoming Image</td> </tr> <tr> <td></td> <td>Incoming Video</td> </tr> <tr> <td></td> <td>Outgoing Audio</td> </tr> <tr> <td></td> <td>Outgoing Image</td> </tr> <tr> <td></td> <td>Outgoing Video</td> </tr> <tr> <td>Stand-alone data files</td> <td></td> </tr> <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> </tbody> </table>	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
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Log	Created By Final Mobile Forensics Version 2.1.0.0313																																																																																														

Test Case CFT-IMO-04 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	<p>Acquisition started: Wed Apr 22 13:53:42 EDT 2009 Acquisition finished: Wed Apr 22 13:55:52 EDT 2009</p> <p>Notification of modified case data was not successful</p> <p>Notes: Warning messages informing the examiner that the case data has been modified are not displayed.</p>				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IMO-26 Notification of modified device case data.</td> <td>Not as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IMO-26 Notification of modified device case data.	Not as expected
Assertion & Expected Result	Actual Result				
A_IMO-26 Notification of modified device case data.	Not as expected				
Analysis:	Expected results NOT achieved				

5.2.53 CFT-IMO-07 (Moto V710)

Test Case CFT-IMO-07 Final Mobile Forensics Version 2.1.0.0313																																																																																															
Case Summary:	CFT-IMO-07 Acquire mobile device internal memory and review generated log files.																																																																																														
Assertions:	A IMO-36 If the cellular forensic tool supports log creation then the application should present the log files outlining the acquisition process in a human-readable format.																																																																																														
Tester Name:	rpa																																																																																														
Test Host:	Morrisy																																																																																														
Test Date:	Wed Apr 22 13:56:36 EDT 2009																																																																																														
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Test Case CFT-IMO-07 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	<p>Acquisition started: Wed Apr 22 13:56:36 EDT 2009 Acquisition finished: Wed Apr 22 14:02:34 EDT 2009</p> <p>Creation of complete and human-readable log files was successful</p>				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IMO-36 Device Log file output.</td> <td>as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IMO-36 Device Log file output.	as expected
Assertion & Expected Result	Actual Result				
A_IMO-36 Device Log file output.	as expected				
Analysis:	Expected results achieved				

5.2.54 CFT-IMO-08 (Moto V710)

Test Case CFT-IMO-08 Final Mobile Forensics Version 2.1.0.0313																																																																																	
Case Summary:	CFT-IMO-08 Acquire mobile device internal memory and review data containing foreign language characters.																																																																																
Assertions:	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>																																																																																
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Wed Apr 22 14:03:33 EDT 2009 Acquisition finished: Wed Apr 22 14:05:42 EDT 2009</p> <p>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 but not properly displayed Foreign character text messages were not acquired</p> <p>Notes: Address book entries containing Chinese characters were not displayed. French address book entries were partially displayed (i.e., characters after the accent.</p> <p>Text messages of type ASCII are not acquired; therefore non-ASCII messages by default were not reported.</p>														
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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-37 Acquisition of address book entries containing foreign language characters.</td> <td>Not as expected</td> </tr> <tr> <td>A_IMO-38 Acquisition of outgoing text messages containing foreign language characters.</td> <td>Not as expected</td> </tr> </tbody> </table>	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.	Not as expected	A_IMO-38 Acquisition of outgoing text messages containing foreign language characters.	Not as expected				
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A_IMO-38 Acquisition of outgoing text messages containing foreign language characters.	Not as expected														
Analysis:	Expected results NOT achieved														

5.2.55 CFT-IMO-09 (Moto V710)

Test Case CFT-IMO-09 Final Mobile Forensics Version 2.1.0.0313																																																																																													
Case Summary:	CFT-IMO-09 Acquire mobile device internal memory and review hash values for vendor supported data objects.																																																																																												
Assertions:	<p>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.</p> <p>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.</p> <p>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.</p>																																																																																												
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Wed Apr 22 14:10:40 EDT 2009 Acquisition finished: Wed Apr 22 14:17:18 EDT 2009</p> <p>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</p>								
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A_IMO-39 Device hash reporting for individual acquired data objects.	as expected								
Analysis:	Expected results achieved								

5.2.56 CFT-IMO-10 (Moto V710)

Test Case CFT-IMO-10 Final Mobile Forensics Version 2.1.0.0313																																																																																													
Case Summary:	CFT-IMO-10 Acquire mobile device internal memory and review the overall case file hash.																																																																																												
Assertions:	<p>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.</p> <p>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.</p> <p>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.</p>																																																																																												
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Analysis:	Expected results achieved								

5.2.57 CFT-IM-01 (SCH u410)

Test Case CFT-IM-01 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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																																																																																														
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Test Case CFT-IM-01 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	<p>Acquisition started: Thu Apr 23 07:49:20 EDT 2009 Acquisition finished: Thu Apr 23 07:59:09 EDT 2009</p> <p>Device connectivity was established via supported interface</p> <p>Notes: RS232 Plug-in: cdma_Rev_3.dll</p>				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IM-01 Device connectivity via supported interfaces.</td> <td>as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IM-01 Device connectivity via supported interfaces.	as expected
Assertion & Expected Result	Actual Result				
A_IM-01 Device connectivity via supported interfaces.	as expected				
Analysis:	Expected results achieved				

5.2.58 CFT-IM-02 (SCH u410)

Test Case CFT-IM-02 Final Mobile Forensics Version 2.1.0.0313																																																																																			
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 Apr 23 07:59:35 EDT 2009																																																																																		
Device:	non_supported_device																																																																																		
Source Setup:	<p>OS: WIN XP Interface: cable</p> <table border="1"> <thead> <tr> <th>DATA OBJECTS</th> <th>DATA ELEMENTS</th> </tr> </thead> <tbody> <tr> <td>Address Book Entries</td> <td>Maximum Length</td> </tr> <tr> <td></td> <td>Regular Length, email, picture</td> </tr> <tr> <td></td> <td>Special Character</td> </tr> <tr> <td></td> <td>Blank Name</td> </tr> <tr> <td></td> <td>Regular Length, Deleted email - deleted picture</td> </tr> <tr> <td></td> <td>Deleted Entry</td> </tr> <tr> <td></td> <td>Foreign Entry</td> </tr> <tr> <td>PIM Data</td> <td>Maximum Length</td> </tr> <tr> <td></td> <td>Regular Length</td> </tr> <tr> <td></td> <td>Deleted Entry</td> </tr> <tr> <td></td> <td>Special Character</td> </tr> <tr> <td>Call Logs</td> <td>Missed</td> </tr> <tr> <td></td> <td>Missed - Deleted</td> </tr> <tr> <td></td> <td>Incoming</td> </tr> <tr> <td></td> <td>Incoming - Deleted</td> </tr> <tr> <td></td> <td>Outgoing</td> </tr> <tr> <td></td> <td>Outgoing - Deleted</td> </tr> <tr> <td>Text Messages</td> <td>Incoming SMS - Read</td> </tr> <tr> <td></td> <td>Incoming SMS - Unread</td> </tr> <tr> <td></td> <td>Incoming SMS - Deleted</td> </tr> <tr> <td></td> <td>Outgoing SMS</td> </tr> <tr> <td></td> <td>Outgoing SMS - Deleted</td> </tr> <tr> <td></td> <td>Incoming EMS - Read</td> </tr> <tr> <td></td> <td>Incoming EMS - Unread</td> </tr> <tr> <td></td> <td>Incoming Foreign EMS - Read</td> </tr> <tr> <td></td> <td>Incoming EMS - Deleted</td> </tr> <tr> <td></td> <td>Outgoing EMS</td> </tr> <tr> <td></td> <td>Outgoing EMS - Deleted</td> </tr> <tr> <td>MMS Messages</td> <td>Incoming Audio</td> </tr> <tr> <td></td> <td>Incoming Image</td> </tr> <tr> <td></td> <td>Incoming Video</td> </tr> <tr> <td></td> <td>Outgoing Audio</td> </tr> <tr> <td></td> <td>Outgoing Image</td> </tr> <tr> <td></td> <td>Outgoing Video</td> </tr> <tr> <td>Stand-alone data files</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> </tbody> </table>	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
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Test Case CFT-IM-02 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	Acquisition started: Thu Apr 23 07:59:35 EDT 2009 Acquisition finished: Thu Apr 23 08:05:44 EDT 2009 Identification of non-supported devices was successful				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IM-02 Identification of non-supported devices.</td> <td>as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IM-02 Identification of non-supported devices.	as expected
Assertion & Expected Result	Actual Result				
A_IM-02 Identification of non-supported devices.	as expected				
Analysis:	Expected results achieved				

5.2.59 CFT-IM-03 (SCH u410)

Test Case CFT-IM-03 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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 Apr 23 08:06:06 EDT 2009																																																																																														
Device:	Samsung_SCHu410																																																																																														
Source Setup:	OS: WIN XP Interface: cable																																																																																														
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Test Case CFT-IM-03 Final Mobile Forensics Version 2.1.0.0313							
Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Thu Apr 23 08:06:06 EDT 2009 Acquisition finished: Thu Apr 23 08:10:19 EDT 2009</p> <p>Device connectivity was established via supported interface Device acquisition disruption notification was not successful</p> <p>Notes: When connectivity is disrupted pulling the cable from the device, no warning messages are displayed to the examiner. The program stalls.</p>						
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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>Not as expected</td> </tr> </tbody> </table>	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
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						

5.2.60 CFT-IM-04 (SCH u410)

Test Case CFT-IM-04 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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																																																																																														
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Test Case CFT-IM-04 Final Mobile Forensics Version 2.1.0.0313							
Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Thu Apr 23 08:10:57 EDT 2009 Acquisition finished: Thu Apr 23 08:14:56 EDT 2009</p> <p>Device connectivity was established via supported interface Readability and completeness of acquired data was successful</p>						
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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> </tbody> </table>	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
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						
Analysis:	Expected results achieved						

5.2.61 CFT-IM-05 (SCH u410)

Test Case CFT-IM-05 Final Mobile Forensics Version 2.1.0.0313																																																																									
Case Summary:	CFT-IM-05 Acquire mobile device internal memory and review reported subscriber and equipment related information (i.e., MEID, MSISDN).																																																																								
Assertions:	<p>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).</p> <p>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.</p> <p>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.</p> <p>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.</p>																																																																								
Tester Name:	rpa																																																																								
Test Host:	Morrisy																																																																								
Test Date:	Thu Apr 23 08:15:16 EDT 2009																																																																								
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Test Case CFT-IM-05 Final Mobile Forensics Version 2.1.0.0313											
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Audio - Deleted											
Image											
Image - Deleted											
Video											
Video - Deleted											
Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Thu Apr 23 08:15:16 EDT 2009 Acquisition finished: Thu Apr 23 08:18:50 EDT 2009</p> <p>Device connectivity was established via supported interface Readability and completeness of acquired data was successful MSISDN was not acquired - NA</p> <p>Notes: MEID are located in /nvm File names: \$SYS.MEID</p> <p>MSISDN acquisition is not applicable.</p>										
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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>NA</td> </tr> <tr> <td>A_IM-06 Acquisition of MEID.</td> <td>as expected</td> </tr> </tbody> </table>	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.	NA	A_IM-06 Acquisition of MEID.	as expected
Assertion & Expected Result	Actual Result										
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A_IM-04 Readability and completeness of acquired data via supported reports.	as expected										
A_IM-05 Acquisition of MSISDN.	NA										
A_IM-06 Acquisition of MEID.	as expected										
Analysis:	Expected results achieved										

5.2.62 CFT-IM-06 (SCH u410)

Test Case CFT-IM-06 Final Mobile Forensics Version 2.1.0.0313																									
Case Summary:	CFT-IM-06 Acquire mobile device internal memory and review reported PIM related data.																								
Assertions:	<p>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).</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>																								
Tester Name:	rpa																								
Test Host:	Morrisy																								
Test Date:	Thu Apr 23 08:21:55 EDT 2009																								
Device:	Samsung_SCHu410																								
Source Setup:	<p>OS: WIN XP</p> <p>Interface: cable</p> <table border="1"> <thead> <tr> <th>DATA OBJECTS</th> <th>DATA ELEMENTS</th> </tr> </thead> <tbody> <tr> <td rowspan="10">Address Book Entries</td> <td>Maximum Length</td> </tr> <tr> <td>Regular Length, email, picture</td> </tr> <tr> <td>Special Character</td> </tr> <tr> <td>Blank Name</td> </tr> <tr> <td>Regular Length, Deleted email - deleted picture</td> </tr> <tr> <td>Deleted Entry</td> </tr> <tr> <td>Foreign Entry</td> </tr> <tr> <td rowspan="4">PIM Data</td> <td>Maximum Length</td> </tr> <tr> <td>Regular Length</td> </tr> <tr> <td>Deleted Entry</td> </tr> <tr> <td>Special Character</td> </tr> <tr> <td rowspan="6">Call Logs</td> <td>Missed</td> </tr> <tr> <td>Missed - Deleted</td> </tr> <tr> <td>Incoming</td> </tr> <tr> <td>Incoming - Deleted</td> </tr> <tr> <td>Outgoing</td> </tr> <tr> <td>Outgoing - Deleted</td> </tr> <tr> <td>Text Messages</td> <td></td> </tr> </tbody> </table>	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	
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Test Case CFT-IM-06 Final Mobile Forensics Version 2.1.0.0313

	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 Final Mobile Forensics Version 2.1.0.0313
 Acquisition started: Thu Apr 23 08:21:55 EDT 2009
 Acquisition finished: Thu Apr 23 08:23:51 EDT 2009

Device connectivity was established via supported interface
 Readability and completeness of acquired data was successful
 All address book entries were successfully acquired
 ALL PIM related data was 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-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).	as expected
A_IM-14 Acquisition of maximum length PIM data.	as expected

Analysis: Expected results achieved

5.2.63 CFT-IM-07 (SCH u410)

Test Case CFT-IM-07 Final Mobile Forensics Version 2.1.0.0313																																																																																									
Case Summary:	CFT-IM-07 Acquire mobile device internal memory and review reported call logs.																																																																																								
Assertions:	<p>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).</p> <p>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.</p> <p>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.</p>																																																																																								
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	Image - Deleted								
	Video								
	Video - Deleted								
Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Thu Apr 23 08:24:15 EDT 2009 Acquisition finished: Thu Apr 23 08:26:45 EDT 2009</p> <p>Device connectivity was established via supported interface Readability and completeness of acquired data was successful All Call Logs (incoming, outgoing) were acquired</p>								
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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> </tbody> </table>	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
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								

5.2.64 CFT-IM-08 (SCH u410)

Test Case CFT-IM-08 Final Mobile Forensics Version 2.1.0.0313																																																																																									
Case Summary:	CFT-IM-08 Acquire mobile device internal memory and review reported text messages.																																																																																								
Assertions:	<p>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).</p> <p>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.</p> <p>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.</p>																																																																																								
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	Video								
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Thu Apr 23 08:39:37 EDT 2009 Acquisition finished: Thu Apr 23 09:11:54 EDT 2009</p> <p>Device connectivity was established via supported interface Readability and completeness of acquired data was successful ALL text messages (SMS, EMS) were acquired</p>								
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Analysis:	Expected results achieved								

5.2.65 CFT-IM-09 (SCH u410)

Test Case CFT-IM-09 Final Mobile Forensics Version 2.1.0.0313																																								
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:	<p>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).</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>																																							
Tester Name:	rpa																																							
Test Host:	Morrisy																																							
Test Date:	Thu Apr 23 09:12:16 EDT 2009																																							
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Thu Apr 23 09:12:16 EDT 2009 Acquisition finished: Thu Apr 23 09:15:38 EDT 2009</p> <p>Device connectivity was established via supported interface Readability and completeness of acquired data was successful Audio MMS messages were acquired Image MMS messages were acquired Video MMS messages were not acquired - NA</p>																		
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5.2.66 CFT-IM-10 (SCH u410)

Test Case CFT-IM-10 Final Mobile Forensics Version 2.1.0.0313																																																																							
Case Summary:	CFT-IM-10 Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).																																																																						
Assertions:	<p>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).</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>																																																																						
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Thu Apr 23 09:18:14 EDT 2009 Acquisition finished: Thu Apr 23 09:21:28 EDT 2009</p> <p>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 - NA</p>																								
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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-20 Acquisition of stand-alone audio files.</td> <td>as expected</td> </tr> <tr> <td>A_IM-21 Acquisition of stand-alone graphic files.</td> <td>as expected</td> </tr> <tr> <td>A_IM-22 Acquisition of stand-alone video files.</td> <td>NA</td> </tr> </tbody> </table>	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												
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Analysis:	Expected results achieved																								

5.2.67 CFT-IMO-01 (SCH u410)

Test Case CFT-IMO-01 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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.																																																																																														
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Log	Created By Final Mobile Forensics Version 2.1.0.0313																																																																																														

Test Case CFT-IMO-01 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	Acquisition started: Thu Apr 23 09:22:58 EDT 2009 Acquisition finished: Thu Apr 23 09:27:40 EDT 2009 Complete representation of known data via generated reports was successful				
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Analysis:	Expected results achieved				

5.2.68 CFT-IMO-02 (SCH u410)

Test Case CFT-IMO-02 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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																																																																																														
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Test Case CFT-IMO-02 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	Acquisition started: Thu Apr 23 09:28:02 EDT 2009 Acquisition finished: Thu Apr 23 09:31:23 EDT 2009 Complete representation of known data via preview-pane was successful				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IMO-24 Comparison of known device data elements via preview-pane.</td> <td>as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IMO-24 Comparison of known device data elements via preview-pane.	as expected
Assertion & Expected Result	Actual Result				
A_IMO-24 Comparison of known device data elements via preview-pane.	as expected				
Analysis:	Expected results achieved				

5.2.69 CFT-IMO-03 (SCH u410)

Test Case CFT-IMO-03 Final Mobile Forensics Version 2.1.0.0313																																																																																													
Case Summary:	CFT-IMO-03 Acquire mobile device internal memory and compare reported data via the preview-pane and supported generated reports.																																																																																												
Assertions:	<p>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.</p> <p>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.</p> <p>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.</p>																																																																																												
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Test Host:	Morrisy																																																																																												
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Test Case CFT-IMO-03 Final Mobile Forensics Version 2.1.0.0313									
	Video - Deleted								
Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Thu Apr 23 09:31:56 EDT 2009 Acquisition finished: Thu Apr 23 09:42:59 EDT 2009</p> <p>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</p>								
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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> </tbody> </table>	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-25 Compare generated reports and preview-pane views for device acquisition.	as expected
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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-25 Compare generated reports and preview-pane views for device acquisition.	as expected								
Analysis:	Expected results achieved								

5.2.70 CFT-IMO-04 (SCH u410)

Test Case CFT-IMO-04 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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																																																																																														
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Test Case CFT-IMO-04 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	<p>Acquisition started: Thu Apr 23 09:43:28 EDT 2009 Acquisition finished: Thu Apr 23 09:47:36 EDT 2009</p> <p>Notification of modified case data was not successful</p> <p>Notes: Warning messages informing the examiner that the case data has been modified are not displayed.</p>				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IMO-26 Notification of modified device case data.</td> <td>Not as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IMO-26 Notification of modified device case data.	Not as expected
Assertion & Expected Result	Actual Result				
A_IMO-26 Notification of modified device case data.	Not as expected				
Analysis:	Expected results NOT achieved				

5.2.71 CFT-IMO-07 (SCH u410)

Test Case CFT-IMO-07 Final Mobile Forensics Version 2.1.0.0313																																																																																															
Case Summary:	CFT-IMO-07 Acquire mobile device internal memory and review generated log files.																																																																																														
Assertions:	A IMO-36 If the cellular forensic tool supports log creation then the application should present the log files outlining the acquisition process in a human-readable format.																																																																																														
Tester Name:	rpa																																																																																														
Test Host:	Morrisy																																																																																														
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Test Case CFT-IMO-07 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	<p>Acquisition started: Thu Apr 23 09:48:40 EDT 2009 Acquisition finished: Thu Apr 23 09:52:14 EDT 2009</p> <p>Creation of complete and human-readable log files was successful</p>				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IMO-36 Device Log file output.</td> <td>as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IMO-36 Device Log file output.	as expected
Assertion & Expected Result	Actual Result				
A_IMO-36 Device Log file output.	as expected				
Analysis:	Expected results achieved				

5.2.72 CFT-IMO-08 (SCH u410)

Test Case CFT-IMO-08 Final Mobile Forensics Version 2.1.0.0313																																																																																	
Case Summary:	CFT-IMO-08 Acquire mobile device internal memory and review data containing foreign language characters.																																																																																
Assertions:	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>																																																																																
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Test Case CFT-IMO-08 Final Mobile Forensics Version 2.1.0.0313															
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	Image														
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Thu Apr 23 09:52:51 EDT 2009 Acquisition finished: Thu Apr 23 09:55:05 EDT 2009</p> <p>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 but not properly displayed Foreign character text messages were acquired but not properly displayed</p>														
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A_IMO-38 Acquisition of outgoing text messages containing foreign language characters.	Not as expected														
Analysis:	Expected results NOT achieved														

5.2.73 CFT-IMO-09 (SCH u410)

Test Case CFT-IMO-09 Final Mobile Forensics Version 2.1.0.0313																																																																																													
Case Summary:	CFT-IMO-09 Acquire mobile device internal memory and review hash values for vendor supported data objects.																																																																																												
Assertions:	<p>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.</p> <p>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.</p> <p>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.</p>																																																																																												
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A_IMO-39 Device hash reporting for individual acquired data objects.	as expected								
Analysis:	Expected results achieved								

5.2.74 CFT-IMO-10 (SCH u410)

Test Case CFT-IMO-10 Final Mobile Forensics Version 2.1.0.0313																																																																																													
Case Summary:	CFT-IMO-10 Acquire mobile device internal memory and review the overall case file hash.																																																																																												
Assertions:	<p>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.</p> <p>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.</p> <p>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.</p>																																																																																												
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Analysis:	Expected results achieved								

5.2.75 CFT-IM-01 (SCH u740)

Test Case CFT-IM-01 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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).																																																																																														
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Test Case CFT-IM-01 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	<p>Acquisition started: Thu Apr 23 13:05:29 EDT 2009 Acquisition finished: Thu Apr 23 13:07:10 EDT 2009</p> <p>Device connectivity was established via supported interface</p> <p>Notes: RS232 Plug-in: cdma_Rev_3.dll</p>				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IM-01 Device connectivity via supported interfaces.</td> <td>as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IM-01 Device connectivity via supported interfaces.	as expected
Assertion & Expected Result	Actual Result				
A_IM-01 Device connectivity via supported interfaces.	as expected				
Analysis:	Expected results achieved				

5.2.76 CFT-IM-02 (SCH u740)

Test Case CFT-IM-02 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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 Apr 23 13:08:25 EDT 2009																																																																																														
Device:	non_supported_device																																																																																														
Source Setup:	<p>OS: WIN XP Interface: cable</p> <table border="1"> <thead> <tr> <th>DATA OBJECTS</th> <th>DATA ELEMENTS</th> </tr> </thead> <tbody> <tr> <td>Address Book Entries</td> <td></td> </tr> <tr> <td></td> <td>Maximum Length</td> </tr> <tr> <td></td> <td>Regular Length, email, picture</td> </tr> <tr> <td></td> <td>Special Character</td> </tr> <tr> <td></td> <td>Blank Name</td> </tr> <tr> <td></td> <td>Regular Length, Deleted email - deleted picture</td> </tr> <tr> <td></td> <td>Deleted Entry</td> </tr> <tr> <td></td> <td>Foreign Entry</td> </tr> <tr> <td>PIM Data</td> <td></td> </tr> <tr> <td></td> <td>Maximum Length</td> </tr> <tr> <td></td> <td>Regular Length</td> </tr> <tr> <td></td> <td>Deleted Entry</td> </tr> <tr> <td></td> <td>Special Character</td> </tr> <tr> <td>Call Logs</td> <td></td> </tr> <tr> <td></td> <td>Missed</td> </tr> <tr> <td></td> <td>Missed - Deleted</td> </tr> <tr> <td></td> <td>Incoming</td> </tr> <tr> <td></td> <td>Incoming - Deleted</td> </tr> <tr> <td></td> <td>Outgoing</td> </tr> <tr> <td></td> <td>Outgoing - Deleted</td> </tr> <tr> <td>Text Messages</td> <td></td> </tr> <tr> <td></td> <td>Incoming SMS - Read</td> </tr> <tr> <td></td> <td>Incoming SMS - Unread</td> </tr> <tr> <td></td> <td>Incoming SMS - Deleted</td> </tr> <tr> <td></td> <td>Outgoing SMS</td> </tr> <tr> <td></td> <td>Outgoing SMS - Deleted</td> </tr> <tr> <td></td> <td>Incoming EMS - Read</td> </tr> <tr> <td></td> <td>Incoming EMS - Unread</td> </tr> <tr> <td></td> <td>Incoming Foreign EMS - Read</td> </tr> <tr> <td></td> <td>Incoming EMS - Deleted</td> </tr> <tr> <td></td> <td>Outgoing EMS</td> </tr> <tr> <td></td> <td>Outgoing EMS - Deleted</td> </tr> <tr> <td>MMS Messages</td> <td></td> </tr> <tr> <td></td> <td>Incoming Audio</td> </tr> <tr> <td></td> <td>Incoming Image</td> </tr> <tr> <td></td> <td>Incoming Video</td> </tr> <tr> <td></td> <td>Outgoing Audio</td> </tr> <tr> <td></td> <td>Outgoing Image</td> </tr> <tr> <td></td> <td>Outgoing Video</td> </tr> <tr> <td>Stand-alone data files</td> <td></td> </tr> <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> </tbody> </table>	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
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Test Case CFT-IM-02 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	Acquisition started: Thu Apr 23 13:08:25 EDT 2009 Acquisition finished: Thu Apr 23 13:09:46 EDT 2009 Identification of non-supported devices was successful				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IM-02 Identification of non-supported devices.</td> <td>as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IM-02 Identification of non-supported devices.	as expected
Assertion & Expected Result	Actual Result				
A_IM-02 Identification of non-supported devices.	as expected				
Analysis:	Expected results achieved				

5.2.77 CFT-IM-03 (SCH u740)

Test Case CFT-IM-03 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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 Apr 23 13:10:08 EDT 2009																																																																																														
Device:	Samsung_SCHu740																																																																																														
Source Setup:	OS: WIN XP Interface: cable																																																																																														
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Test Case CFT-IM-03 Final Mobile Forensics Version 2.1.0.0313							
Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Thu Apr 23 13:10:08 EDT 2009 Acquisition finished: Thu Apr 23 13:15:04 EDT 2009</p> <p>Device connectivity was established via supported interface Device acquisition disruption notification was not successful</p> <p>Notes: When connectivity is disrupted pulling the cable from the device, no warning messages are displayed to the examiner. The program stalls.</p>						
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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>Not as expected</td> </tr> </tbody> </table>	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
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						

5.2.78 CFT-IM-04 (SCH u740)

Test Case CFT-IM-04 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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																																																																																														
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Test Case CFT-IM-04 Final Mobile Forensics Version 2.1.0.0313							
Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Thu Apr 23 13:16:22 EDT 2009 Acquisition finished: Thu Apr 23 13:18:08 EDT 2009</p> <p>Device connectivity was established via supported interface Readability and completeness of acquired data was successful</p>						
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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> </tbody> </table>	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
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						
Analysis:	Expected results achieved						

5.2.79 CFT-IM-05 (SCH u740)

Test Case CFT-IM-05 Final Mobile Forensics Version 2.1.0.0313																																																																									
Case Summary:	CFT-IM-05 Acquire mobile device internal memory and review reported subscriber and equipment related information (i.e., MEID, MSISDN).																																																																								
Assertions:	<p>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).</p> <p>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.</p> <p>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.</p> <p>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.</p>																																																																								
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Test Case CFT-IM-05 Final Mobile Forensics Version 2.1.0.0313											
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Image - Deleted											
Video											
Video - Deleted											
Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Thu Apr 23 13:18:35 EDT 2009 Acquisition finished: Thu Apr 23 13:21:27 EDT 2009</p> <p>Device connectivity was established via supported interface Readability and completeness of acquired data was successful MSISDN was not acquired - NA</p> <p>Notes: MEID are located in /nvm File names: \$SYS.MEID</p> <p>MSISDN acquisition is not applicable.</p>										
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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>NA</td> </tr> <tr> <td>A_IM-06 Acquisition of MEID.</td> <td>as expected</td> </tr> </tbody> </table>	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.	NA	A_IM-06 Acquisition of MEID.	as expected
Assertion & Expected Result	Actual Result										
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A_IM-04 Readability and completeness of acquired data via supported reports.	as expected										
A_IM-05 Acquisition of MSISDN.	NA										
A_IM-06 Acquisition of MEID.	as expected										
Analysis:	Expected results achieved										

5.2.80 CFT-IM-06 (SCH u740)

Test Case CFT-IM-06 Final Mobile Forensics Version 2.1.0.0313																									
Case Summary:	CFT-IM-06 Acquire mobile device internal memory and review reported PIM related data.																								
Assertions:	<p>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).</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>																								
Tester Name:	rpa																								
Test Host:	Morrisy																								
Test Date:	Thu Apr 23 13:23:17 EDT 2009																								
Device:	Samsung_SCHu740																								
Source Setup:	<p>OS: WIN XP Interface: cable</p> <table border="1"> <thead> <tr> <th>DATA OBJECTS</th> <th>DATA ELEMENTS</th> </tr> </thead> <tbody> <tr> <td rowspan="10">Address Book Entries</td> <td>Maximum Length</td> </tr> <tr> <td>Regular Length, email, picture</td> </tr> <tr> <td>Special Character</td> </tr> <tr> <td>Blank Name</td> </tr> <tr> <td>Regular Length, Deleted email - deleted picture</td> </tr> <tr> <td>Deleted Entry</td> </tr> <tr> <td>Foreign Entry</td> </tr> <tr> <td rowspan="4">PIM Data</td> <td>Maximum Length</td> </tr> <tr> <td>Regular Length</td> </tr> <tr> <td>Deleted Entry</td> </tr> <tr> <td>Special Character</td> </tr> <tr> <td rowspan="6">Call Logs</td> <td>Missed</td> </tr> <tr> <td>Missed - Deleted</td> </tr> <tr> <td>Incoming</td> </tr> <tr> <td>Incoming - Deleted</td> </tr> <tr> <td>Outgoing</td> </tr> <tr> <td>Outgoing - Deleted</td> </tr> <tr> <td rowspan="2">Text Messages</td> <td></td> </tr> </tbody> </table>	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	
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Test Case CFT-IM-06 Final Mobile Forensics Version 2.1.0.0313

	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 Final Mobile Forensics Version 2.1.0.0313
 Acquisition started: Thu Apr 23 13:23:17 EDT 2009
 Acquisition finished: Thu Apr 23 13:25:16 EDT 2009

Device connectivity was established via supported interface
 Readability and completeness of acquired data was successful
 All address book entries were successfully acquired
 ALL PIM related data was 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-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).	as expected
A_IM-14 Acquisition of maximum length PIM data.	as expected

Analysis: Expected results achieved

5.2.81 CFT-IM-07 (SCH u740)

Test Case CFT-IM-07 Final Mobile Forensics Version 2.1.0.0313																																																																																									
Case Summary:	CFT-IM-07 Acquire mobile device internal memory and review reported call logs.																																																																																								
Assertions:	<p>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).</p> <p>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.</p> <p>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.</p>																																																																																								
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Thu Apr 23 13:25:49 EDT 2009 Acquisition finished: Thu Apr 23 13:28:22 EDT 2009</p> <p>Device connectivity was established via supported interface Readability and completeness of acquired data was successful All Call Logs (incoming, outgoing) were acquired</p>								
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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> </tbody> </table>	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
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A_IM-15 Acquisition of call logs.	as expected								
Analysis:	Expected results achieved								

5.2.82 CFT-IM-08 (SCH u740)

Test Case CFT-IM-08 Final Mobile Forensics Version 2.1.0.0313																																																																																									
Case Summary:	CFT-IM-08 Acquire mobile device internal memory and review reported text messages.																																																																																								
Assertions:	<p>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).</p> <p>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.</p> <p>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.</p>																																																																																								
Tester Name:	rpa																																																																																								
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Thu Apr 23 13:29:10 EDT 2009 Acquisition finished: Thu Apr 23 13:31:55 EDT 2009</p> <p>Device connectivity was established via supported interface Readability and completeness of acquired data was successful ALL text messages (SMS, EMS) were acquired</p>								
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A_IM-16 Acquisition of text messages.	as expected								
Analysis:	Expected results achieved								

5.2.83 CFT-IM-09 (SCH u740)

Test Case CFT-IM-09 Final Mobile Forensics Version 2.1.0.0313																																								
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:	<p>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).</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>																																							
Tester Name:	rpa																																							
Test Host:	Morrisy																																							
Test Date:	Thu Apr 23 13:32:58 EDT 2009																																							
Device:	Samsung_SCHu740																																							
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Thu Apr 23 13:32:58 EDT 2009 Acquisition finished: Thu Apr 23 13:35:14 EDT 2009</p> <p>Device connectivity was established via supported interface Readability and completeness of acquired data was successful ALL MMS messages (Audio, Image, Video) were acquired</p>																		
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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-17 Acquisition of audio MMS messages.</td> <td>as expected</td> </tr> <tr> <td>A_IM-18 Acquisition of image MMS messages.</td> <td>as expected</td> </tr> <tr> <td>A_IM-19 Acquisition of video MMS messages.</td> <td>as expected</td> </tr> </tbody> </table>	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.	as expected	A_IM-18 Acquisition of image MMS messages.	as expected	A_IM-19 Acquisition of video MMS messages.	as expected						
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Analysis:	Expected results achieved																		

5.2.84 CFT-IM-10 (SCH u740)

Test Case CFT-IM-10 Final Mobile Forensics Version 2.1.0.0313																																																																							
Case Summary:	CFT-IM-10 Acquire mobile device internal memory and review reported stand-alone multi-media data (i.e., audio, graphics, video).																																																																						
Assertions:	<p>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).</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>																																																																						
Tester Name:	rpa																																																																						
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Thu Apr 23 13:36:31 EDT 2009 Acquisition finished: Thu Apr 23 13:39:14 EDT 2009</p> <p>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</p>																								
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Analysis:	Expected results achieved																								

5.2.85 CFT-IMO-01 (SCH u740)

Test Case CFT-IMO-01 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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.																																																																																														
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Test Case CFT-IMO-01 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	Acquisition started: Thu Apr 23 13:42:03 EDT 2009 Acquisition finished: Thu Apr 23 13:45:04 EDT 2009 Complete representation of known data via generated reports was successful				
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Analysis:	Expected results achieved				

5.2.86 CFT-IMO-02 (SCH u740)

Test Case CFT-IMO-02 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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.																																																																																														
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Test Case CFT-IMO-02 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	Acquisition started: Thu Apr 23 13:45:27 EDT 2009 Acquisition finished: Thu Apr 23 13:47:43 EDT 2009 Complete representation of known data via preview-pane was successful				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IMO-24 Comparison of known device data elements via preview-pane.</td> <td>as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IMO-24 Comparison of known device data elements via preview-pane.	as expected
Assertion & Expected Result	Actual Result				
A_IMO-24 Comparison of known device data elements via preview-pane.	as expected				
Analysis:	Expected results achieved				

5.2.87 CFT-IMO-03 (SCH u740)

Test Case CFT-IMO-03 Final Mobile Forensics Version 2.1.0.0313																																																																																													
Case Summary:	CFT-IMO-03 Acquire mobile device internal memory and compare reported data via the preview-pane and supported generated reports.																																																																																												
Assertions:	<p>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.</p> <p>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.</p> <p>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.</p>																																																																																												
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Thu Apr 23 13:48:07 EDT 2009 Acquisition finished: Thu Apr 23 13:50:46 EDT 2009</p> <p>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</p>								
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Analysis:	Expected results achieved								

5.2.88 CFT-IMO-04 (SCH u740)

Test Case CFT-IMO-04 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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.																																																																																														
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Test Case CFT-IMO-04 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	<p>Acquisition started: Thu Apr 23 13:51:18 EDT 2009 Acquisition finished: Thu Apr 23 13:54:12 EDT 2009</p> <p>Notification of modified case data was not successful</p> <p>Notes: Warning messages informing the examiner that the case data has been modified are not displayed.</p>				
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Assertion & Expected Result	Actual Result				
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Analysis:	Expected results NOT achieved				

5.2.89 CFT-IMO-07 (SCH u740)

Test Case CFT-IMO-07 Final Mobile Forensics Version 2.1.0.0313																																																																																															
Case Summary:	CFT-IMO-07 Acquire mobile device internal memory and review generated log files.																																																																																														
Assertions:	A IMO-36 If the cellular forensic tool supports log creation then the application should present the log files outlining the acquisition process in a human-readable format.																																																																																														
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Log	Created By Final Mobile Forensics Version 2.1.0.0313																																																																																														

Test Case CFT-IMO-07 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	<p>Acquisition started: Thu Apr 23 13:54:41 EDT 2009 Acquisition finished: Thu Apr 23 13:57:23 EDT 2009</p> <p>Creation of complete and human-readable log files was successful</p>				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IMO-36 Device Log file output.</td> <td>as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IMO-36 Device Log file output.	as expected
Assertion & Expected Result	Actual Result				
A_IMO-36 Device Log file output.	as expected				
Analysis:	Expected results achieved				

5.2.90 CFT-IMO-08 (SCH u740)

Test Case CFT-IMO-08 Final Mobile Forensics Version 2.1.0.0313																																																																																	
Case Summary:	CFT-IMO-08 Acquire mobile device internal memory and review data containing foreign language characters.																																																																																
Assertions:	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>																																																																																
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Thu Apr 23 13:57:46 EDT 2009 Acquisition finished: Thu Apr 23 14:00:14 EDT 2009</p> <p>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 but not properly displayed Foreign character text messages were acquired but not properly displayed</p>														
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Analysis:	Expected results NOT achieved														

5.2.91 CFT-IMO-09 (SCH u740)

Test Case CFT-IMO-09 Final Mobile Forensics Version 2.1.0.0313																																																																																													
Case Summary:	CFT-IMO-09 Acquire mobile device internal memory and review hash values for vendor supported data objects.																																																																																												
Assertions:	<p>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.</p> <p>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.</p> <p>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.</p>																																																																																												
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A_IMO-39 Device hash reporting for individual acquired data objects.	as expected								
Analysis:	Expected results achieved								

5.2.92 CFT-IMO-10 (SCH u740)

Test Case CFT-IMO-10 Final Mobile Forensics Version 2.1.0.0313																																																																																													
Case Summary:	CFT-IMO-10 Acquire mobile device internal memory and review the overall case file hash.																																																																																												
Assertions:	<p>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.</p> <p>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.</p> <p>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.</p>																																																																																												
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Test Case CFT-IMO-10 Final Mobile Forensics Version 2.1.0.0313									
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Thu Apr 23 14:07:26 EDT 2009 Acquisition finished: Thu Apr 23 14:09:11 EDT 2009</p> <p>Complete representation of known data via generated reports was successful Complete representation of known data via preview-pane was successful Device hash reporting for overall case file was successful</p>								
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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-40 Device hash reporting for overall case file.</td> <td>as expected</td> </tr> </tbody> </table>	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-40 Device hash reporting for overall case file.	as expected
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A_IMO-40 Device hash reporting for overall case file.	as expected								
Analysis:	Expected results achieved								

5.2.93 CFT-IM-01 (SPH a660)

Test Case CFT-IM-01 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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																																																																																														
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Test Case CFT-IM-01 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	<p>Acquisition started: Fri Apr 24 07:43:25 EDT 2009 Acquisition finished: Fri Apr 24 07:55:42 EDT 2009</p> <p>Device connectivity was established via supported interface</p> <p>Notes: Plug-in: cdma_Samsung_Rev_3.dll</p>				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IM-01 Device connectivity via supported interfaces.</td> <td>as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IM-01 Device connectivity via supported interfaces.	as expected
Assertion & Expected Result	Actual Result				
A_IM-01 Device connectivity via supported interfaces.	as expected				
Analysis:	Expected results achieved				

5.2.94 CFT-IM-02 (SPH a660)

Test Case CFT-IM-02 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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 Apr 24 07:57:20 EDT 2009																																																																																														
Device:	non_supported_device																																																																																														
Source Setup:	<p>OS: WIN XP Interface: cable</p> <table border="1"> <thead> <tr> <th>DATA OBJECTS</th> <th>DATA ELEMENTS</th> </tr> </thead> <tbody> <tr> <td>Address Book Entries</td> <td></td> </tr> <tr> <td></td> <td>Maximum Length</td> </tr> <tr> <td></td> <td>Regular Length, email, picture</td> </tr> <tr> <td></td> <td>Special Character</td> </tr> <tr> <td></td> <td>Blank Name</td> </tr> <tr> <td></td> <td>Regular Length, Deleted email - deleted picture</td> </tr> <tr> <td></td> <td>Deleted Entry</td> </tr> <tr> <td></td> <td>Foreign Entry</td> </tr> <tr> <td>PIM Data</td> <td></td> </tr> <tr> <td></td> <td>Maximum Length</td> </tr> <tr> <td></td> <td>Regular Length</td> </tr> <tr> <td></td> <td>Deleted Entry</td> </tr> <tr> <td></td> <td>Special Character</td> </tr> <tr> <td>Call Logs</td> <td></td> </tr> <tr> <td></td> <td>Missed</td> </tr> <tr> <td></td> <td>Missed - Deleted</td> </tr> <tr> <td></td> <td>Incoming</td> </tr> <tr> <td></td> <td>Incoming - Deleted</td> </tr> <tr> <td></td> <td>Outgoing</td> </tr> <tr> <td></td> <td>Outgoing - Deleted</td> </tr> <tr> <td>Text Messages</td> <td></td> </tr> <tr> <td></td> <td>Incoming SMS - Read</td> </tr> <tr> <td></td> <td>Incoming SMS - Unread</td> </tr> <tr> <td></td> <td>Incoming SMS - Deleted</td> </tr> <tr> <td></td> <td>Outgoing SMS</td> </tr> <tr> <td></td> <td>Outgoing SMS - Deleted</td> </tr> <tr> <td></td> <td>Incoming EMS - Read</td> </tr> <tr> <td></td> <td>Incoming EMS - Unread</td> </tr> <tr> <td></td> <td>Incoming Foreign EMS - Read</td> </tr> <tr> <td></td> <td>Incoming EMS - Deleted</td> </tr> <tr> <td></td> <td>Outgoing EMS</td> </tr> <tr> <td></td> <td>Outgoing EMS - Deleted</td> </tr> <tr> <td>MMS Messages</td> <td></td> </tr> <tr> <td></td> <td>Incoming Audio</td> </tr> <tr> <td></td> <td>Incoming Image</td> </tr> <tr> <td></td> <td>Incoming Video</td> </tr> <tr> <td></td> <td>Outgoing Audio</td> </tr> <tr> <td></td> <td>Outgoing Image</td> </tr> <tr> <td></td> <td>Outgoing Video</td> </tr> <tr> <td>Stand-alone data files</td> <td></td> </tr> <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> </tbody> </table>	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
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Test Case CFT-IM-02 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	Acquisition started: Fri Apr 24 07:57:20 EDT 2009 Acquisition finished: Fri Apr 24 07:59:39 EDT 2009 Identification of non-supported devices was successful				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IM-02 Identification of non-supported devices.</td> <td>as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IM-02 Identification of non-supported devices.	as expected
Assertion & Expected Result	Actual Result				
A_IM-02 Identification of non-supported devices.	as expected				
Analysis:	Expected results achieved				

5.2.95 CFT-IM-03 (SPH a660)

Test Case CFT-IM-03 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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.																																																																																														
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Test Case CFT-IM-03 Final Mobile Forensics Version 2.1.0.0313							
Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Fri Apr 24 07:59:57 EDT 2009 Acquisition finished: Fri Apr 24 08:03:54 EDT 2009</p> <p>Device connectivity was established via supported interface Device acquisition disruption notification was not successful</p> <p>Notes: When connectivity is disrupted pulling the cable from the device, no warning messages are displayed to the examiner. The program stalls.</p>						
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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>Not as expected</td> </tr> </tbody> </table>	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
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						

5.2.96 CFT-IM-04 (SPH a660)

Test Case CFT-IM-04 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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.																																																																																														
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Test Case CFT-IM-04 Final Mobile Forensics Version 2.1.0.0313							
Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Fri Apr 24 08:04:42 EDT 2009 Acquisition finished: Fri Apr 24 08:10:06 EDT 2009</p> <p>Device connectivity was established via supported interface Readability and completeness of acquired data was successful</p>						
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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> </tbody> </table>	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
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						
Analysis:	Expected results achieved						

5.2.97 CFT-IM-05 (SPH a660)

Test Case CFT-IM-05 Final Mobile Forensics Version 2.1.0.0313																																																																									
Case Summary:	CFT-IM-05 Acquire mobile device internal memory and review reported subscriber and equipment related information (i.e., MEID, MSISDN).																																																																								
Assertions:	<p>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).</p> <p>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.</p> <p>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.</p> <p>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.</p>																																																																								
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Video											
Video - Deleted											
Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Fri Apr 24 08:10:24 EDT 2009 Acquisition finished: Fri Apr 24 08:19:38 EDT 2009</p> <p>Device connectivity was established via supported interface Readability and completeness of acquired data was successful MSISDN was not acquired - NA</p> <p>Notes: MEID are located in /nvm File names: \$SYS.ESN</p> <p>MSISDN acquisition is not applicable.</p>										
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <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>NA</td> </tr> <tr> <td>A_IM-06 Acquisition of MEID.</td> <td>as expected</td> </tr> </tbody> </table>	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.	NA	A_IM-06 Acquisition of MEID.	as expected
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A_IM-06 Acquisition of MEID.	as expected										
Analysis:	Expected results achieved										

5.2.98 CFT-IM-06 (SPH a660)

Test Case CFT-IM-06 Final Mobile Forensics Version 2.1.0.0313																									
Case Summary:	CFT-IM-06 Acquire mobile device internal memory and review reported PIM related data.																								
Assertions:	<p>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).</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>																								
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Test Host:	Morrisy																								
Test Date:	Fri Apr 24 09:04:42 EDT 2009																								
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Test Case CFT-IM-06 Final Mobile Forensics Version 2.1.0.0313																																																			
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Fri Apr 24 09:04:42 EDT 2009 Acquisition finished: Fri Apr 24 09:10:44 EDT 2009</p> <p>Device connectivity was established via supported interface Readability and completeness of acquired data was successful All address book entries were successfully acquired ALL PIM related data was acquired</p> <p>Notes: Phonebook entries are not reported in a fashion that allows examiners to determine what phone number belongs to a particular contact name.</p>																																																		
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Analysis:	Partial results achieved																																																		

5.2.99 CFT-IM-07 (SPH a660)

Test Case CFT-IM-07 Final Mobile Forensics Version 2.1.0.0313																																																																																									
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Assertions:	<p>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).</p> <p>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.</p> <p>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.</p>																																																																																								
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Test Host:	Morrisy																																																																																								
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Device:	Samsung_SPHa660																																																																																								
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Fri Apr 24 09:14:04 EDT 2009 Acquisition finished: Fri Apr 24 09:21:33 EDT 2009</p> <p>Device connectivity was established via supported interface Readability and completeness of acquired data was successful All Call Logs (incoming, outgoing) were acquired</p>								
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Analysis:	Expected results achieved								

5.2.100 CFT-IM-08 (SPH a660)

Test Case CFT-IM-08 Final Mobile Forensics Version 2.1.0.0313																																																																																									
Case Summary:	CFT-IM-08 Acquire mobile device internal memory and review reported text messages.																																																																																								
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Fri Apr 24 09:27:24 EDT 2009 Acquisition finished: Fri Apr 24 09:33:28 EDT 2009</p> <p>Device connectivity was established via supported interface Readability and completeness of acquired data was successful ALL text messages (SMS, EMS) were acquired</p>								
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5.2.101 CFT-IMO-01 (SPH a660)

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Test Case CFT-IMO-01 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	Acquisition started: Fri Apr 24 09:34:33 EDT 2009 Acquisition finished: Fri Apr 24 09:36:48 EDT 2009 Complete representation of known data via generated reports was successful				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IMO-23 Comparison of known device data elements via generated reports.</td> <td>as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IMO-23 Comparison of known device data elements via generated reports.	as expected
Assertion & Expected Result	Actual Result				
A_IMO-23 Comparison of known device data elements via generated reports.	as expected				
Analysis:	Expected results achieved				

5.2.102 CFT-IMO-02 (SPH a660)

Test Case CFT-IMO-02 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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																																																																																														
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Log	Created By Final Mobile Forensics Version 2.1.0.0313																																																																																														

Test Case CFT-IMO-02 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	Acquisition started: Fri Apr 24 09:37:20 EDT 2009 Acquisition finished: Fri Apr 24 09:39:57 EDT 2009 Complete representation of known data via preview-pane was successful				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IMO-24 Comparison of known device data elements via preview-pane.</td> <td>as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IMO-24 Comparison of known device data elements via preview-pane.	as expected
Assertion & Expected Result	Actual Result				
A_IMO-24 Comparison of known device data elements via preview-pane.	as expected				
Analysis:	Expected results achieved				

5.2.103 CFT-IMO-03 (SPH a660)

Test Case CFT-IMO-03 Final Mobile Forensics Version 2.1.0.0313																																																																																													
Case Summary:	CFT-IMO-03 Acquire mobile device internal memory and compare reported data via the preview-pane and supported generated reports.																																																																																												
Assertions:	<p>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.</p> <p>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.</p> <p>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.</p>																																																																																												
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Test Host:	Morrisy																																																																																												
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Test Case CFT-IMO-03 Final Mobile Forensics Version 2.1.0.0313									
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Fri Apr 24 09:40:19 EDT 2009 Acquisition finished: Fri Apr 24 09:44:20 EDT 2009</p> <p>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</p>								
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A_IMO-25 Compare generated reports and preview-pane views for device acquisition.	as expected								
Analysis:	Expected results achieved								

5.2.104 CFT-IMO-04 (SPH a660)

Test Case CFT-IMO-04 Final Mobile Forensics Version 2.1.0.0313																																																																																															
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																																																																																														
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Test Date:	Fri Apr 24 09:44:47 EDT 2009																																																																																														
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Test Case CFT-IMO-04 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	<p>Acquisition started: Fri Apr 24 09:44:47 EDT 2009 Acquisition finished: Fri Apr 24 09:46:44 EDT 2009</p> <p>Notification of modified case data was not successful</p> <p>Notes: Warning messages informing the examiner that the case data has been modified are not displayed.</p>				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IMO-26 Notification of modified device case data.</td> <td>Not as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IMO-26 Notification of modified device case data.	Not as expected
Assertion & Expected Result	Actual Result				
A_IMO-26 Notification of modified device case data.	Not as expected				
Analysis:	Expected results NOT achieved				

5.2.105 CFT-IMO-07 (SPH a660)

Test Case CFT-IMO-07 Final Mobile Forensics Version 2.1.0.0313																																																																																															
Case Summary:	CFT-IMO-07 Acquire mobile device internal memory and review generated log files.																																																																																														
Assertions:	A IMO-36 If the cellular forensic tool supports log creation then the application should present the log files outlining the acquisition process in a human-readable format.																																																																																														
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Test Case CFT-IMO-07 Final Mobile Forensics Version 2.1.0.0313					
Highlights:	<p>Acquisition started: Fri Apr 24 09:47:12 EDT 2009 Acquisition finished: Fri Apr 24 09:50:00 EDT 2009</p> <p>Creation of complete and human-readable log files was successful</p>				
Results:	<table border="1"> <thead> <tr> <th>Assertion & Expected Result</th> <th>Actual Result</th> </tr> </thead> <tbody> <tr> <td>A_IMO-36 Device Log file output.</td> <td>as expected</td> </tr> </tbody> </table>	Assertion & Expected Result	Actual Result	A_IMO-36 Device Log file output.	as expected
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A_IMO-36 Device Log file output.	as expected				
Analysis:	Expected results achieved				

5.2.106 CFT-IMO-08 (SPH a660)

Test Case CFT-IMO-08 Final Mobile Forensics Version 2.1.0.0313																																																																																	
Case Summary:	CFT-IMO-08 Acquire mobile device internal memory and review data containing foreign language characters.																																																																																
Assertions:	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>																																																																																
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Log Highlights:	<p>Created By Final Mobile Forensics Version 2.1.0.0313 Acquisition started: Fri Apr 24 09:50:26 EDT 2009 Acquisition finished: Fri Apr 24 09:52:38 EDT 2009</p> <p>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 but not properly displayed Foreign character text messages were acquired but not properly displayed</p>														
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Analysis:	Expected results NOT achieved														

5.2.107 CFT-IMO-09 (SPH a660)

Test Case CFT-IMO-09 Final Mobile Forensics Version 2.1.0.0313																																																																																													
Case Summary:	CFT-IMO-09 Acquire mobile device internal memory and review hash values for vendor supported data objects.																																																																																												
Assertions:	<p>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.</p> <p>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.</p> <p>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.</p>																																																																																												
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Analysis:	Expected results achieved								

5.2.108 CFT-IMO-10 (SPH a660)

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Case Summary:	CFT-IMO-10 Acquire mobile device internal memory and review the overall case file hash.																																																																																												
Assertions:	<p>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.</p> <p>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.</p> <p>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.</p>																																																																																												
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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.

Program Areas

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

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

To find out more about the National Institute of Justice, please visit:

<http://www.ojp.usdoj.gov/nij>

or contact:

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Rockville, MD 20849-6000
800-851-3420
<http://www.ncjrs.gov>