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	Test Results for Mobile Device Acquisition Tool: Guidance Software Neutrino 1.4.14
	NCJ 224150

NIJ

David W. Hagy Director, National Institute of Justice

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Test Results for Mobile Device Acquisition Tool:

Guidance Software Neutrino 1.4.14



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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 are posted on the CFTT Web site (<u>http://www.cftt.nist.gov/</u>) for review and comment by the computer forensics community.

This document reports the results from testing Guidance Software Neutrino, version 1.4.14, against the *GSM Mobile Device and Associated Media Tool Specification and Test Plan Version 1.1*, available at the CFTT Web site (http://www.cftt.nist.gov/GSM-Mobile-Device-and-Associated-Media-Tool-Specification-and-Test-Plan.pdf). Collected data packets (sent and received data transmissions) for mobile device internal memory acquisitions and SIM internal memory acquisitions, captured via a port monitoring utility, are posted at <u>www.cftt.nist.gov/mobile_devices.htm</u>.

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

page, http://www.ojp.usdoj.gov/nij/topics/technology/electronic-crime/cftt.htm.

Test Results for Mobile Device Data Acquisition Tool

Tool Tested: Version: Run Environments:	Guidance Software Neutrino 1.4.14 Windows XP Service Pack 2
Supplier:	Guidance Software
Address:	215 North Marengo Ave., Suite 250 Pasadena, CA 91101
Tel:	626–229–9191
Fax:	626–229–9199
WWW:	http://www.guidancesoftware.com

1 Results Summary

Except for the following test cases (CFT–IM–08, CFT–SIM–07, CFT–IMO–10), the tested tool acquired all supported data objects completely and accurately from the selected test mobile devices and associated media (i.e., Nokia 6101, T-Mobile SIM, Motorola RAZR V3, AT&T SIM). The exceptions are the following:

- 1. EMS messages (text messages over 160 characters were not acquired for the Motorola RAZR V3). (CFT–IM–08)
- 2. Maximum length ADNs and ADNs that contain special characters for the name (i.e., '@') were not reported. (CFT–SIM–07)
- 3. Stand-alone internal memory acquisitions alter the status flags of 'unread' text messages present on the SIM to 'read'. (CFT–IMO–10)

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. Table 1 lists the features available in Guidance Software's Neutrino V1.4.14 and the linked test cases.

Table 2 lists the features not available in Guidance Software's Neutrino v1.4.14 and the linked test cases.

Supported Optional Feature	Cases selected for execution
Base Cases	CFT-IM-(01-02,04-08,10), CFT-
	SIM-(01-07, 08, 09)
Acquire mobile device internal memory and	CFT-IMO-01
review data via supported generated report	
formats	
Acquire mobile device internal memory and	CFT-IMO-02
review reported data via the preview pane	
Acquire mobile device internal memory and	CFT-IMO-03
compare reported data via the preview pane	
and supported generated report formats	
After a successful mobile device internal	CFT-IMO-04
memory acquisition, alter the case file via third	
party means and attempt to reopen the case	
Perform a stand-alone mobile device internal	CFT-IMO-10
memory acquisition and review the status flags	
for text messages present on the SIM	
Acquire mobile device internal memory and	CFT-IMO-11
review hash values for vendor supported data	
objects	
Acquire SIM internal memory and review	CFT–SIMO–01
acquired data via supported generated report	
formats	
Acquire SIM internal memory and review	CFT–SIMO–02
acquired data via the preview pane	
Acquire SIM internal memory and compare	CFT–SIMO–03
acquired data via the preview pane and	
supported generated reports	
After a successful SIM internal memory	CFT–SIMO–04
acquisition, alter the case file via third party	
means and attempt to reopen the case	
Acquire SIM internal memory and review	CFT–SIMO–05
reports for recoverable deleted data	

Table 1 Selected Test Cases

Begin acquisition on a PIN protected SIM to	CFT–SIMO–08
determine if the tool provides an accurate	
count of the remaining number of PIN	
attempts and if the PIN attempts are	
decremented when entering an incorrect value	
Begin acquisition on a SIM whose PIN	CFT–SIMO–09
attempts have been exhausted to determine if	
the tool provides an accurate count of the	
remaining number of PUK attempts and if the	
PUK attempts are decremented when entering	
an incorrect value	
Acquire SIM internal memory and review hash	CFT–SIMO–10
values for vendor supported data objects	

Table 2 Omitted Test Cases

Unsupported Optional Feature	Cases omitted (not executed)
Begin mobile device internal memory	CFT-IM-03
acquisition and interrupt connectivity by	
interface disengagement	
Acquire mobile device internal memory and	CFT-IM-09
review reported MMS multimedia related data	
(i.e., text, audio, graphics, video)	
Acquire SIM internal memory and review	CFT-SIM-10
reported location related data (i.e., LOCI,	
GPRSLOCI)	
Perform a physical acquisition and review data	CFT–IMO–05
output for readability	
Perform a physical acquisition and review	CFT–IMO–06
reports for recoverable deleted data	
Create a SIM access card via vendor	CFT–IMO–07
documentation	
Acquire mobile device internal memory and	CFT–IMO–08
review generated log files	
Acquire mobile device internal memory and	CFT-IMO-09
review data containing foreign language	
characters	
Acquire mobile device internal memory and	CFT–IMO–12
review the overall case file hash	
Acquire SIM internal memory and review	CFT–SIMO–06
generated log files	
Acquire SIM internal memory and review data	CFT–SIMO–07
containing foreign language characters	
Acquire SIM internal memory and review the	CFT–SIMO–11
overall case file hash.	

3 Results by Test Assertion

Table 4 summarizes the test results by assertion. The column labeled **Assertion** gives the text of each assertion. The column labeled **Tests** gives the number of test cases that use the given assertion. The column labeled **Anomaly** gives the section number in this report where the anomaly is discussed.

Assertions Tested	Tests	Anomaly
A_IM-01 If a cellular forensic tool provides support for connectivity of	9	
the target device then the tool shall successfully recognize the target		
device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).		
A_IM-02 If a cellular forensic tool attempts to connect to a non-	1	
supported device then the tool shall have the ability to identify that the		
device is not supported.		
A_IM-04 If a cellular forensic tool successfully completes acquisition	7	
of the target device then the tool shall have the ability to present		
acquired data elements in a human-readable format via either a preview		
pane or generated report.		
A_IM-06 If a cellular forensic tool successfully completes acquisition	1	
of the target device then equipment related information shall be		
presented in a human-readable format without modification.		
A_IM-07 If a cellular forensic tool successfully completes acquisition	1	
of the target device then all known address book entries shall be		
presented in a human-readable format without modification.		
A_IM-08 If a cellular forensic tool successfully completes acquisition	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	1	
of the target device then all known address book entries containing		
special characters shall be presented in a human-readable format		
without modification.		
A_IM–10 If a cellular forensic tool successfully completes acquisition	1	
of the target device then all known address book entries containing		
blank names shall be presented in a human-readable format without		
modification.		
A_IM–11 If a cellular forensic tool successfully completes acquisition	1	
of the target device then all known email addresses associated with		
address book entries shall be presented in a human-readable format		
without modification.		
A_IM–12 If a cellular forensic tool successfully completes acquisition	1	
of the target device then all known graphics associated with address		
book entries shall be presented in a human-readable format without		
modification.		
A_IM-13 If a cellular forensic tool successfully completes acquisition	1	

of the target device then all known datebook, calendar, note entries shall		
be presented in a human-readable format without modification.		
A_IM-14 If a cellular forensic tool successfully completes acquisition	1	
of the target device then all maximum length datebook, calendar, note entries shall be presented in a human readable format without		
modification.		
A_IM-15 If a cellular forensic tool successfully completes acquisition	1	
of the target device then all call logs (incoming/outgoing) shall be	1	
presented in a human-readable format without modification.		
A_IM–16 If a cellular forensic tool successfully completes acquisition	1	3.1
of the target device then all text messages (i.e., SMS, EMS) messages	-	5.11
shall be presented in a human-readable format without modification.		
A_IM–20 If a cellular forensic tool successfully completes acquisition	1	
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	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	1	
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_SIM-23 If a cellular forensic tool provides support for connectivity	9	
of the target SIM then the tool shall successfully recognize the target		
SIM via all vendor supported interfaces (e.g., PC/SC reader, proprietary		
reader).	1	
A_SIM-24 If a cellular forensic tool attempts to connect to a non-	1	
supported SIM then the tool shall have the ability to identify that the		
SIM is not supported.	1	
A_SIM-25 If a cellular forensic tool encounters disengagement between the SIM reader and application then the application shall notify	1	
the user that connectivity has been disrupted.		
A_SIM-26 If the SIM is password protected then the cellular forensic	1	
tool shall provide the examiner with the opportunity to input the PIN	1	
before acquisition.		
A_SIM-27 If a cellular forensic tool successfully completes acquisition	6	
of the target SIM then the tool shall have the ability to present acquired	Ŭ	
data in a human-readable format via either preview pane or generated		
report.		
A_SIM–29 If a cellular forensic tool successfully completes acquisition	1	
of the target SIM then the ICCID shall be presented in a human-readable		
format without modification.		
A_SIM-30 If a cellular forensic tool successfully completes acquisition	1	
of the target SIM then the IMSI shall be presented in a human-readable		

format without modification.		
A_SIM-32 If a cellular forensic tool successfully completes acquisition	1	3.2
of the target SIM then all Abbreviated Dialing Numbers (ADN) shall be		
presented in a human-readable format without modification.		
A_SIM-33 If a cellular forensic tool successfully completes acquisition	1	
of the target SIM then all Last Numbers Dialed (LND) shall be		
presented in a human-readable format without modification.		
A_SIM-34 If a cellular forensic tool successfully completes acquisition	1	
of the target SIM then all SMS text messages shall be presented in a		
human-readable format without modification.		
A_SIM-35 If a cellular forensic tool successfully completes acquisition	1	
of the target SIM then all EMS text messages shall be presented in a		
human-readable format without modification.		
A_IMO-38 If a cellular forensic tool successfully completes acquisition	8	
of the target device then the tool shall present the acquired data without		
modification via supported generated report formats.		
A_IMO-39 If a cellular forensic tool successfully completes acquisition	8	
of the target device then the tool shall present the acquired data without		
modification in a preview-pane view.		
A_IMO-40 If a cellular forensic tool provides a preview-pane view and	1	
a generated report of the acquired data then the reports shall maintain		
consistency of all reported data elements.		
A_IMO-41 If modification is attempted to the case file or individual	1	
data elements via third-party means then the tool shall provide		
protection mechanisms disallowing or reporting data modification.		
A_IMO-55 If the cellular forensic tool supports stand-alone acquisition	1	3.3
of internal memory with the SIM present, then the contents of the SIM		
shall not be modified during internal memory acquisition.		
A_IMO-56 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.	6	
A_SIMO-58 If a cellular forensic tool successfully completes	6	
acquisition of the target media (i.e., SIM) then the tool shall present the		
acquired data in a human-readable format without modification via		
supported generated report formats.	6	
A_SIMO-59 If a cellular forensic tool successfully completes	6	
acquisition of the SIM then the tool shall present the acquired data in a human readable format without modification in a proving page view.		
human-readable format without modification in a preview-pane view.	1	
A_SIMO -60 If a cellular forensic tool provides a preview-pane view and a generated report of the acquired data than the reports shall	1	
and a generated report of the acquired data then the reports shall maintain consistency of all reported data elements.		
A_SIMO–61 If modification is attempted to the case file or individual	1	
data elements via third-party means then the tool shall provide	1	
protection mechanisms disallowing or reporting data modification.		
A_SIMO–62 If the cellular forensic tool successfully completes	1	
acquisition of the target SIM and recoverable deleted SMS messages	1	
acquisition of the target shirt and recoverable deleted siris messages		

exist then the tool shall present recoverable deleted data in a human-		
readable format without modification.		
A_SIMO-63 If the cellular forensic tool successfully completes	1	
acquisition of the target SIM and recoverable deleted EMS messages		
exist then the tool shall present recoverable deleted data in a human-		
readable format without modification.		
A_SIMO–67 If a cellular forensic tool provides the examiner with the	1	
remaining number of authentication attempts then the application should		
provide an accurate count of the remaining PIN attempts.		
A_SIMO-68 If a cellular forensic tool provides the examiner with the	1	
remaining number of PUK attempts then the application should provide		
an accurate count of the remaining PUK attempts.		
A_SIMO-69 If the cellular forensic tool supports hashing for individual	1	
data objects then the tool shall present the user with a hash value for		
each supported data object		

Table 5 lists the assertions that were not tested, usually due to the tool not supporting an optional feature.

Table 4 Assertions Not Tested

Assertions not Tested
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.
A_IM-05 If a cellular forensic tool successfully completes acquisition of the target
device then subscriber related information shall be presented in a human-readable format
without modification.
A_IM–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_SIM-28 If a cellular forensic tool successfully completes acquisition of the target SIM
then the SPN shall be presented in a human-readable format without modification.
A_SIM-31 If a cellular forensic tool successfully completes acquisition of the target SIM
then the MSISDN shall be presented in a human-readable format without modification.
A_SIM-36 If a cellular forensic tool successfully completes acquisition of the target SIM
then all location related data (i.e., LOCI) shall be presented in a human-readable format
without modification.
A_SIM-37 If a cellular forensic tool successfully completes acquisition of the target SIM
then all location related data (i.e., GRPSLOCI) shall be presented in a human-readable

format without modification.

A_IMO-42 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-43 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.

A_IMO–44 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.

A_IMO–45 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.

A_IMO–46 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–47 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-48 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–49 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-50 If the cellular forensic tool supports a physical acquisition of video files present on the target device then the tool shall report recoverable deleted video file data or video file data remnants in a human-readable format.

A_IMO-51 If the cellular forensic tool supports SIM access card creation then the card creation shall be completed without errors via manufacturer suggested protocols.

A_IMO–52 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.

A_IMO-53 If the cellular forensic tool supports proper display of foreign language character sets then the application should present address book entries containing foreign language characters in their native format without modification.

A_IMO–54 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.

A_IMO-57 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.

A_SIMO-64 If a cellular forensic tool supports the creation of log files then the application should present the log files in a human-readable format outlining the acquisition process.

A_SIMO-65 If the cellular forensic tool supports proper display of foreign language character sets then the application should present abbreviated dialing numbers (ADNs) containing foreign language characters in their native format without modification.

A_SIMO–66 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.

A_SIMO–70 If the cellular forensic tool supports hashing for the overall case file then the tool shall present the user with one hash value representative of the entire case data.

3.1 EMS Messages

EMS messages (i.e., messages over 160 characters) present on the internal memory of the Motorola RAZR V3 were not acquired or reported in either the GUI or generated report.

3.2 Abbreviated Dialing Numbers

Maximum Length ADNs (16 characters) or ADNs containing special characters (i.e., '@') present on both the T-Mobile and AT&T SIM were not acquired or reported in either the GUI or generated report.

3.3 Stand-alone Acquisition

When selecting "Acquire Logical Data" for the internal memory of the mobile device, text messages present on the SIM whose status is Unread is modified to Read after completing the logical data acquisition for the internal memory of the device. Note: "Acquire SIM Image" is not selected.

4 Testing Environment

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

4.1 Test Computers

One test computers 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.

Heading	Description
First Line:	Test case ID, name, and version of tool tested.
Case Summary:	Test case summary from GSM Mobile Device and
	Associated Media Tool Specification and Test Plan Version
	1.1.
Assertions:	The test assertions applicable to the test case, selected from
	GSM Mobile Device and Associated Media Tool
	Specification and Test Plan Version 1.1.
Tester Name:	Name or initials of person executing test procedure.
Test Host:	Host computer executing the test.
Test Date:	Time and date that test was started.
Device:	Source mobile device, media (i.e., SIM).
Source Setup:	Outline of data object types populated on the device or
	associated media (i.e., SIM).
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.

Table 5 Test Results Report Key

5.2 Test Details

5.2.1 CFT-IM-01 (Nokia 6101)

	-IM-01 Guidance Software	
Case	-	e device internal memory over supported interfaces
Summary:	(e.g., cable, Bluetooth,	
Assertions:	A_IM-01 If a cellular fo	prensic tool provides support for connectivity of
		the tool shall successfully recognize the target apported interfaces (e.g., cable, Bluetooth, IrDA).
	device via all vendor st	apported interfaces (e.g., cable, Bidecooth, IIDA).
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Thu Apr 24 14:06:24 EDT	2008
Device:	Nokia_6101	
Source	OS: WIN XP	
Setup:	Interface: RJ45	
_	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
	11	Image - Deleted
		Video Video - Deleted

Test Case CF1	-IM-01 Guidance Software Neutrino Version 1.4.14	
Log Highlights:	Created By Neutrino Version 1.4.14 Acquisition started: Thu Apr 24 14:06:24 EDT 2008 Acquisition finished: Thu Apr 24 14:16:04 EDT 2008 Device connectivity was established via supported inter	face
Results:	Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces.	Actual Result as expected
Analysis:	Expected results achieved	·

5.2.2 CFT-IM-02 (Nokia 6101)

Case	-IM-02 Guidance Software	rnal memory acquisition of a non-supported mobile
Summary:	device.	
Assertions:		forensic tool attempts to connect to a non-supported
		hall have the ability to identify that the device is
	not supported.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Thu Apr 24 14:18:53 ED	
Device:	non-supported mobile de	evice
Source	OS: WIN XP	
Setup:	Interface: USB	
	DATA OBJECTS	DATA ELEMENTS
	Address Book Entries	
		Maximum Length
		Regular Length, email, picture
		Special Character
		Blank Name
		Regular Length, Deleted email - deleted picture
		Deleted Entry
		Foreign Entry
	PIM Data	
		Maximum Length
		Regular Length
		Deleted Entry
		Special Character
	Call Logs	
		Missed
		Missed - Deleted
		Incoming
		Incoming - Deleted
		Outgoing
		Outgoing - Deleted
	Text Messages	
		Incoming SMS - Read
		Incoming SMS - Unread
		Incoming SMS - Deleted
		Outgoing SMS
		Outgoing SMS - Deleted
		Incoming EMS - Read
		Incoming EMS - Unread
		Incoming Foreign EMS - Read
		Incoming EMS - Deleted
		Outgoing EMS
		Outgoing EMS - Deleted
	MMS Messages	
		Incoming Audio
		Incoming Image
		Incoming Video
		Outgoing Audio
		Outgoing Image
		Outgoing Video
	Stand-alone data files	5
		Audio
		Audio - Deleted
		Image
		Image - Deleted
		Video
		Video - Deleted

Test Case CFT	-IM-02 Guidance Software Neutrino Version 1.4.14		
Highlights:	Acquisition started: Thu Apr 24 14:18:53 EDT 2008		
	Acquisition finished: Thu Apr 24 14:20:17 EDT 2008		
	Identification of non-supported devices was succes	sful	
Results:			
	Assertion & Expected Result	Actual Result	
	A_IM-02 Identification of non-supported devices.	as expected	
Analysis:	Expected results achieved		

5.2.3 CFT-IM-04 (Nokia 6101)

Test Case CFT	-IM-04 Guidance Software N	Neutrino Version 1.4.14
Case		device internal memory and review reported data
Summary:	-	generated reports for readability.
Assertions:		rensic tool provides support for connectivity of
10001010100		ne tool shall successfully recognize the target
	-	oported interfaces (e.g., cable, Bluetooth, IrDA).
		rensic tool successfully completes acquisition of
		ne tool shall have the ability to present acquired
		-readable format via either a preview-pane or
	generated report.	
Tester	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Thu Apr 24 14:32:41 EDT 2	2008
Device:	Nokia_6101	
Source	OS: WIN XP	
Setup:	Interface: RJ45	
-	DATA OBJECTS	DATA ELEMENTS
	Address Book Entries	
	Address book Entries	Maximum Longth
		Maximum Length
		Regular Length, email, picture
		Special Character
		Blank Name
		Regular Length, Deleted email - deleted picture
		Deleted Entry
		Foreign Entry
	PIM Data	
	TIM 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

Test case CF	T-IM-04 Guidance Software Neutrino Version 1.4.14	
Log Highlights:	Created By Neutrino Version 1.4.14 Acquisition started: Thu Apr 24 14:32:41 EDT 2008 Acquisition finished: Thu Apr 24 14:39:42 EDT 2008 Device connectivity was established via supported interface Readability and completeness of acquired data was successful	
Results:		
	Assertion & Expected Result	Actual Result
	Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces.	
		Result
Analysis:	A_IM-01 Device connectivity via supported interfaces. A_IM-04 Readability and completeness of acquired data via	Result as expected

5.2.4 CFT-IM-05 (Nokia 6101)

Test Case CF1	I-IM-05 Guidance Software	Neutrino Version 1.4.14
Case	-	e device internal memory and review reported
Summary:		related information (i.e., IMEI, MSISDN).
Assertions:		prensic tool provides support for connectivity of
		the tool shall successfully recognize the target
		apported interfaces (e.g., cable, Bluetooth, IrDA).
		prensic tool successfully completes acquisition of
	-	the tool shall have the ability to present acquired arreadable format via either a preview-pane or
	generated report.	I-readable format via efficier a preview-pane or
		prensic tool successfully completes acquisition of
		equipment related information shall be presented in
	a human-readable format	
Tester	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Thu Apr 24 14:40:15 EDT	2008
Device:	Nokia_6101	
Source	OS: WIN XP	
Setup:	Interface: RJ45 DATA OBJECTS	רא די דעראייט
		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	
	TIM Bucu	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	
T	Created By Neutrino Version 1.4.14	
5	Acquisition started: Thu Apr 24 14:40:15 EDT 2008 Acquisition finished: Thu Apr 24 15:06:01 EDT 2008 Device connectivity was established via supported interface Readability and completeness of acquired data was successful	
Highlights:	Acquisition started: Thu Apr 24 14:40:15 EDT 2008 Acquisition finished: Thu Apr 24 15:06:01 EDT 2008 Device connectivity was established via supported interface	Actual Result
Log Highlights: Results:	Acquisition started: Thu Apr 24 14:40:15 EDT 2008 Acquisition finished: Thu Apr 24 15:06:01 EDT 2008 Device connectivity was established via supported interface Readability and completeness of acquired data was successful	
Highlights:	Acquisition started: Thu Apr 24 14:40:15 EDT 2008 Acquisition finished: Thu Apr 24 15:06:01 EDT 2008 Device connectivity was established via supported interface Readability and completeness of acquired data was successful Assertion & Expected Result	Result

5.2.5 CFT-IM-06 (Nokia 6101)

	T-IM-06 Guidance Software	Neutrino Version 1.4.14
Case		e device internal memory and review reported PIM
Summary:	related data.	• •
Summary: Assertions:	A_IM-01 If a cellular for the target device then device via all vendor so A_IM-04 If a cellular for the target device then data elements in a human generated report. A_IM-07 If a cellular for the target device then a human-readable format A_IM-08 If a cellular for the target device then be presented in a human	orensic tool provides support for connectivity of the tool shall successfully recognize the target upported interfaces (e.g., cable, Bluetooth, IrDA). orensic tool successfully completes acquisition of the tool shall have the ability to present acquired n-readable format via either a preview-pane or orensic tool successfully completes acquisition of all known address book entries shall be presented in without modification. orensic tool successfully completes acquisition of all known maximum length address book entries shall -readable format without modification. orensic tool successfully completes acquisition of
	characters shall be pres- modification. A_IM-10 If a cellular for the target device then a names shall be presented A_IM-11 If a cellular for the target device then a book entries shall be pr modification. A_IM-12 If a cellular for the target device then a entries shall be present	all known address book entries containing special sented in a human-readable format without orensic tool successfully completes acquisition of all known address book entries containing blank d in a human-readable format without modification. orensic tool successfully completes acquisition of all known email addresses associated with address resented in a human-readable format without orensic tool successfully completes acquisition of all known graphics associated with address book ted in a human-readable format without modification.
	the target device then a presented in a human-rea A_IM-14 If a cellular for	orensic tool successfully completes acquisition of all known datebook, calendar, note entries shall be adable format without modification. orensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries
Tester	the target device then a presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a	all known datebook, calendar, note entries shall be adable format without modification.
Tester Name:	the target device then a presented in a human-rea A_IM-14 If a cellular for the target device then a	all known datebook, calendar, note entries shall be adable format without modification. orensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries
Name:	the target device then a presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a	all known datebook, calendar, note entries shall be adable format without modification. orensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries
Name: Test Host:	the target device then a presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa	all known datebook, calendar, note entries shall be adable format without modification. orensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification.
Name: Test Host: Test Date:	the target device then a presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy	all known datebook, calendar, note entries shall be adable format without modification. orensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification.
Name: Test Host: Test Date: Device: Source	the target device then a presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Thu Apr 24 15:16:50 EDT Nokia_6101 OS: WIN XP	all known datebook, calendar, note entries shall be adable format without modification. orensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification.
Name: Test Host: Test Date: Device: Source	the target device then a presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Thu Apr 24 15:16:50 EDT Nokia_6101 OS: WIN XP Interface: RJ45	all known datebook, calendar, note entries shall be adable format without modification. orensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification.
Name: Test Host: Test Date: Device: Source	the target device then a presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Thu Apr 24 15:16:50 EDT Nokia_6101 OS: WIN XP Interface: RJ45 DATA OBJECTS	all known datebook, calendar, note entries shall be adable format without modification. orensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification.
Name: Test Host: Test Date: Device: Source	the target device then a presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Thu Apr 24 15:16:50 EDT Nokia_6101 OS: WIN XP Interface: RJ45	all known datebook, calendar, note entries shall be adable format without modification. orensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. 2008 DATA ELEMENTS
Name: Test Host: Test Date: Device: Source	the target device then a presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Thu Apr 24 15:16:50 EDT Nokia_6101 OS: WIN XP Interface: RJ45 DATA OBJECTS	all known datebook, calendar, note entries shall be adable format without modification. orensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. 2008 DATA ELEMENTS Maximum Length
Name: Test Host: Test Date: Device: Source	the target device then a presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Thu Apr 24 15:16:50 EDT Nokia_6101 OS: WIN XP Interface: RJ45 DATA OBJECTS	all known datebook, calendar, note entries shall be adable format without modification. orensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. 2008 DATA ELEMENTS Maximum Length Regular Length, email, picture
Name: Fest Host: Fest Date: Device: Source	the target device then a presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Thu Apr 24 15:16:50 EDT Nokia_6101 OS: WIN XP Interface: RJ45 DATA OBJECTS	all known datebook, calendar, note entries shall be adable format without modification. orensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. 2008 DATA ELEMENTS Maximum Length Regular Length, email, picture Special Character
Name: Fest Host: Fest Date: Device: Source	the target device then a presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Thu Apr 24 15:16:50 EDT Nokia_6101 OS: WIN XP Interface: RJ45 DATA OBJECTS	all known datebook, calendar, note entries shall be adable format without modification. orensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. 2008 2008 DATA ELEMENTS Maximum Length Regular Length, email, picture Special Character Blank Name
Name: Fest Host: Fest Date: Device: Source	the target device then a presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Thu Apr 24 15:16:50 EDT Nokia_6101 OS: WIN XP Interface: RJ45 DATA OBJECTS	all known datebook, calendar, note entries shall be adable format without modification. orensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. 2008 2008 2008 Maximum Length Regular Length, email, picture Special Character Blank Name Regular Length, Deleted email - deleted picture
Name: Cest Host: Cest Date: Device: Source	the target device then a presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Thu Apr 24 15:16:50 EDT Nokia_6101 OS: WIN XP Interface: RJ45 DATA OBJECTS	all known datebook, calendar, note entries shall be adable format without modification. orensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. 2008 2008 2008 2008 2008 2008 2008 200
Name: Cest Host: Cest Date: Device: Source	the target device then a presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Thu Apr 24 15:16:50 EDT Nokia_6101 OS: WIN XP Interface: RJ45 DATA OBJECTS Address Book Entries	all known datebook, calendar, note entries shall be adable format without modification. orensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. 2008 2008 2008 2008 2008 2008 2008 200
Name: Test Host: Test Date: Device: Source	the target device then a presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Thu Apr 24 15:16:50 EDT Nokia_6101 OS: WIN XP Interface: RJ45 DATA OBJECTS	all known datebook, calendar, note entries shall be adable format without modification. orensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. 2008 2008 2008 2008 2008 2008 2008 200
Name: Test Host: Test Date: Device: Source	the target device then a presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Thu Apr 24 15:16:50 EDT Nokia_6101 OS: WIN XP Interface: RJ45 DATA OBJECTS Address Book Entries	all known datebook, calendar, note entries shall be adable format without modification. orensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. 2008 2008 2008 2008 2008 2008 2008 200
Name: Cest Host: Cest Date: Device: Source	the target device then a presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Thu Apr 24 15:16:50 EDT Nokia_6101 OS: WIN XP Interface: RJ45 DATA OBJECTS Address Book Entries	all known datebook, calendar, note entries shall be adable format without modification. orensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. 2008 2008 2008 2008 2008 2008 2008 200
Name: Test Host: Test Date: Device: Source	the target device then a presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Thu Apr 24 15:16:50 EDT Nokia_6101 OS: WIN XP Interface: RJ45 DATA OBJECTS Address Book Entries	all known datebook, calendar, note entries shall be adable format without modification. orensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. 2008 2008 2008 2008 2008 2008 2008 200
Name: Fest Host: Fest Date: Device: Source	the target device then a presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Thu Apr 24 15:16:50 EDT Nokia_6101 OS: WIN XP Interface: RJ45 DATA OBJECTS Address Book Entries DATA OBJECTS Address Book Entries	all known datebook, calendar, note entries shall be adable format without modification. orensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. 2008 2008 2008 2008 2008 2008 2008 200
Name: Fest Host: Fest Date: Device: Source	the target device then a presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Thu Apr 24 15:16:50 EDT Nokia_6101 OS: WIN XP Interface: RJ45 DATA OBJECTS Address Book Entries	all known datebook, calendar, note entries shall be adable format without modification. orensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. 2008 DATA ELEMENTS Maximum Length Regular Length, email, picture Special Character Blank Name Regular Length, Deleted email - deleted picture Deleted Entry Foreign Entry Foreign Entry Maximum Length Regular Length Regular Length Deleted Entry Special Character
Name: Test Host: Test Date: Device: Source	the target device then a presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Thu Apr 24 15:16:50 EDT Nokia_6101 OS: WIN XP Interface: RJ45 DATA OBJECTS Address Book Entries DATA OBJECTS Address Book Entries	all known datebook, calendar, note entries shall be adable format without modification. orensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. 2008 2008 2008 2008 2008 2008 2008 200
Name: Test Host: Test Date: Device: Source	the target device then a presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Thu Apr 24 15:16:50 EDT Nokia_6101 OS: WIN XP Interface: RJ45 DATA OBJECTS Address Book Entries DATA OBJECTS Address Book Entries	all known datebook, calendar, note entries shall be adable format without modification. orensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. 2008 2008 2008 2008 2008 2008 2008 200
Name: Test Host: Test Date: Device: Source	the target device then a presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Thu Apr 24 15:16:50 EDT Nokia_6101 OS: WIN XP Interface: RJ45 DATA OBJECTS Address Book Entries DATA OBJECTS Address Book Entries	all known datebook, calendar, note entries shall be adable format without modification. orensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. 2008 200 200 200 200 200 200
Name: Test Host: Test Date: Device: Source	the target device then a presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Thu Apr 24 15:16:50 EDT Nokia_6101 OS: WIN XP Interface: RJ45 DATA OBJECTS Address Book Entries DATA OBJECTS Address Book Entries	all known datebook, calendar, note entries shall be adable format without modification. orensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. 2008 2008 2008 2008 2008 2008 2008 200
	the target device then a presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Thu Apr 24 15:16:50 EDT Nokia_6101 OS: WIN XP Interface: RJ45 DATA OBJECTS Address Book Entries DATA OBJECTS Address Book Entries	all known datebook, calendar, note entries shall be adable format without modification. orensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. 2008 2008 2008 2008 2008 2008 2008 200
Name: Test Host: Test Date: Device: Source	the target device then a presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Thu Apr 24 15:16:50 EDT Nokia_6101 OS: WIN XP Interface: RJ45 DATA OBJECTS Address Book Entries DATA OBJECTS Address Book Entries	all known datebook, calendar, note entries shall be adable format without modification. orensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. 2008 2008 2008 2008 2008 2008 2008 200

	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	
	Deadability and completeness of acquired data was suggested	
	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 containing pictures were not linked dir corresponding name. Acquisitions of notes are not supported by Neutrino.	
Results:	All address book entries were successfully acquired ALL PIM related data was acquired Notes: Address book entries containing pictures were not linked dir corresponding name.	
Results:	All address book entries were successfully acquired ALL PIM related data was acquired Notes: Address book entries containing pictures were not linked dir corresponding name. Acquisitions of notes are not supported by Neutrino. Assertion & Expected Result	Actual Result
Results:	All address book entries were successfully acquired ALL PIM related data was acquired Notes: Address book entries containing pictures were not linked dir corresponding name. Acquisitions of notes are not supported by Neutrino. Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces.	Actual Result as expected
Results:	All address book entries were successfully acquired ALL PIM related data was acquired <u>Notes</u> : Address book entries containing pictures were not linked dir corresponding name. Acquisitions of notes are not supported by Neutrino. <u>Assertion & Expected Result</u> <u>A_IM-01 Device connectivity via supported interfaces.</u> <u>A_IM-04 Readability and completeness of acquired data via</u>	Actual Result
Results:	All address book entries were successfully acquired ALL PIM related data was acquired Notes: Address book entries containing pictures were not linked dir corresponding name. Acquisitions of notes are not supported by Neutrino. Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces. A_IM-04 Readability and completeness of acquired data via supported reports.	Actual Result as expected as expected
Results:	All address book entries were successfully acquired ALL PIM related data was acquired Notes: Address book entries containing pictures were not linked dir corresponding name. Acquisitions of notes are not supported by Neutrino. Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces. A_IM-04 Readability and completeness of acquired data via supported reports. A_IM-07 Acquisition of address book entries.	Actual Result as expected as expected as expected
Results:	All address book entries were successfully acquired ALL PIM related data was acquired Notes: Address book entries containing pictures were not linked dir corresponding name. Acquisitions of notes are not supported by Neutrino. Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces. A_IM-04 Readability and completeness of acquired data via supported reports.	Actual Result as expected as expected
Results:	All address book entries were successfully acquired ALL PIM related data was acquired Notes: Address book entries containing pictures were not linked dir corresponding name. Acquisitions of notes are not supported by Neutrino. Acquisitions of notes are not supported by Neutrino. Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces. A_IM-04 Readability and completeness of acquired data via supported reports. A_IM-07 Acquisition of address book entries. A_IM-08 Acquisition of maximum length address book	Actual Result as expected as expected as expected
Results:	All address book entries were successfully acquired ALL PIM related data was acquired Notes: Address book entries containing pictures were not linked dir corresponding name. Acquisitions of notes are not supported by Neutrino. Acquisitions of notes are not supported by Neutrino. Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces. A_IM-04 Readability and completeness of acquired data via supported reports. A_IM-07 Acquisition of address book entries. A_IM-08 Acquisition of maximum length address book entries. A_IM-09 Acquisition of address book entries containing special characters.	Actual Result as expected as expected as expected as expected
Results:	All address book entries were successfully acquired ALL PIM related data was acquired Notes: Address book entries containing pictures were not linked dir corresponding name. Acquisitions of notes are not supported by Neutrino. Acquisitions of notes are not supported by Neutrino. Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces. A_IM-04 Readability and completeness of acquired data via supported reports. A_IM-07 Acquisition of address book entries. A_IM-08 Acquisition of maximum length address book entries. A_IM-09 Acquisition of address book entries containing special characters. A_IM-10 Acquisition of address book entries containing a	Actual Result as expected as expected as expected as expected
Results:	All address book entries were successfully acquired ALL PIM related data was acquired Notes: Address book entries containing pictures were not linked dir corresponding name. Acquisitions of notes are not supported by Neutrino. Acquisitions of notes are not supported by Neutrino. Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces. A_IM-04 Readability and completeness of acquired data via supported reports. A_IM-07 Acquisition of address book entries. A_IM-08 Acquisition of maximum length address book entries. A_IM-09 Acquisition of address book entries containing special characters. A_IM-10 Acquisition of address book entries containing a blank name entry.	Actual Result as expected as expected as expected as expected as expected as expected as expected
Results:	All address book entries were successfully acquired ALL PIM related data was acquired Notes: Address book entries containing pictures were not linked dir corresponding name. Acquisitions of notes are not supported by Neutrino. Acquisitions of notes are not supported by Neutrino. Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces. A_IM-04 Readability and completeness of acquired data via supported reports. A_IM-07 Acquisition of address book entries. A_IM-08 Acquisition of maximum length address book entries. A_IM-09 Acquisition of address book entries containing special characters. A_IM-10 Acquisition of address book entries containing a blank name entry. A_IM-11 Acquisition of embedded email addresses within	Actual Result as expected as expected as expected as expected as expected as expected
Results:	All address book entries were successfully acquired ALL PIM related data was acquired Notes: Address book entries containing pictures were not linked dir corresponding name. Acquisitions of notes are not supported by Neutrino. Acquisitions of notes are not supported by Neutrino. Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces. A_IM-04 Readability and completeness of acquired data via supported reports. A_IM-07 Acquisition of address book entries. A_IM-08 Acquisition of maximum length address book entries. A_IM-09 Acquisition of address book entries containing special characters. A_IM-10 Acquisition of address book entries containing a blank name entry. A_IM-11 Acquisition of embedded email addresses within address book entries.	Actual Result as expected as expected as expected as expected as expected as expected as expected as expected as expected
Results:	All address book entries were successfully acquired ALL PIM related data was acquired Notes: Address book entries containing pictures were not linked dir corresponding name. Acquisitions of notes are not supported by Neutrino. Acquisitions of notes are not supported by Neutrino. Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces. A_IM-04 Readability and completeness of acquired data via supported reports. A_IM-07 Acquisition of address book entries. A_IM-08 Acquisition of maximum length address book entries. A_IM-09 Acquisition of address book entries containing special characters. A_IM-10 Acquisition of address book entries containing a blank name entry. A_IM-11 Acquisition of embedded email addresses within address book entries. A_IM-12 Acquisition of embedded graphics within address	Actual Result as expected as expected as expected as expected as expected as expected as expected
Results:	All address book entries were successfully acquired ALL PIM related data was acquired Notes: Address book entries containing pictures were not linked dir corresponding name. Acquisitions of notes are not supported by Neutrino. Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces. A_IM-04 Readability and completeness of acquired data via supported reports. A_IM-07 Acquisition of address book entries. A_IM-08 Acquisition of maximum length address book entries. A_IM-09 Acquisition of address book entries containing special characters. A_IM-10 Acquisition of address book entries containing a blank name entry. A_IM-11 Acquisition of embedded email addresses within address book entries. A_IM-12 Acquisition of PIM data (i.e., datebook/calendar,	Actual Result as expected as expected as expected as expected as expected as expected as expected as expected as expected
Results:	All address book entries were successfully acquired ALL PIM related data was acquired Notes: Address book entries containing pictures were not linked dir corresponding name. Acquisitions of notes are not supported by Neutrino. Acquisitions of notes are not supported by Neutrino. Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces. A_IM-04 Readability and completeness of acquired data via supported reports. A_IM-07 Acquisition of address book entries. A_IM-08 Acquisition of maximum length address book entries. A_IM-09 Acquisition of address book entries containing special characters. A_IM-10 Acquisition of address book entries containing a blank name entry. A_IM-11 Acquisition of embedded email addresses within address book entries. A_IM-12 Acquisition of embedded graphics within address book entries. A_IM-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	Actual Result as expected as expected
Results:	All address book entries were successfully acquired ALL PIM related data was acquired Notes: Address book entries containing pictures were not linked dir corresponding name. Acquisitions of notes are not supported by Neutrino. Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces. A_IM-04 Readability and completeness of acquired data via supported reports. A_IM-07 Acquisition of address book entries. A_IM-08 Acquisition of maximum length address book entries. A_IM-09 Acquisition of address book entries containing special characters. A_IM-10 Acquisition of address book entries containing a blank name entry. A_IM-11 Acquisition of embedded email addresses within address book entries. A_IM-12 Acquisition of PIM data (i.e., datebook/calendar,	Actual Result as expected as expected as expected as expected as expected as expected as expected as expected as expected as expected
Results:	All address book entries were successfully acquired ALL PIM related data was acquired Notes: Address book entries containing pictures were not linked dir corresponding name. Acquisitions of notes are not supported by Neutrino. Acquisitions of notes are not supported by Neutrino. Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces. A_IM-04 Readability and completeness of acquired data via supported reports. A_IM-07 Acquisition of address book entries. A_IM-08 Acquisition of maximum length address book entries. A_IM-09 Acquisition of address book entries containing special characters. A_IM-10 Acquisition of address book entries containing a blank name entry. A_IM-11 Acquisition of embedded email addresses within address book entries. A_IM-12 Acquisition of embedded graphics within address book entries. A_IM-13 Acquisition of PIM data (i.e., datebook/calendar, notes).	Actual Result as expected as expected

5.2.6 CFT-IM-07 (Nokia 6101)

Test Case CFT	-IM-07 Guidance Software 1	Neutrino Version 1.4.14	
Case	CFT-IM-07 Acquire mobile device internal memory and review reported call		
Summary:	logs.		
Assertions:	A_IM-01 If a cellular fo	rensic tool provides support for connectivity of	
	the target device then the tool shall successfully recognize the target		
	device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).		
	A_IM-04 If a cellular forensic tool successfully completes acquisition of		
	the target device then the tool shall have the ability to present acquired		
	data elements in a human-readable format via either a preview-pane or		
	generated report.		
	A_IM-15 If a cellular fo	rensic tool successfully completes acquisition of	
	the target device then a	ll call logs (incoming/outgoing) shall be presented	
	in a human-readable form	at without modification.	
Tester	rpa		
Name:			
Test Host:	Morrisy		
Test Date:	Fri Apr 25 08:59:51 EDT 2008		
Device:	Nokia_6101		
Source	OS: WIN XP		
Setup:	Interface: RJ45		
	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	Special character	
	Call Logs	Minned	
		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 Messagos	Oursoning Fub - Detered	
	MMS Messages	Incoming Audio	
		Incoming Audio	
		Incoming Image	
		Incoming Video	
		Outgoing Audio	
		Outgoing Image	
		Outgoing Video	
	Stand-alone data files		
		Audio	
		Audio - Deleted	
		Image	

	Image - Deleted		
	Video		
	Video - Deleted		
Log	Created By Neutrino Version 1.4.14		
Highlights:	Acquisition started: Fri Apr 25 08:59:51 EDT 2008		
	Acquisition finished: Fri Apr 25 09:32:00 EDT 2008		
	Device connectivity was established via supported interface		
	Readability and completeness of acquired data was successful		
	Readability and completeness of acquired data was successful		
	All Call Logs (incoming, outgoing) were acquired		
Pogulta:			
Results:	All Call Logs (incoming, outgoing) were acquired		
Results:		Actual Result	
Results:	All Call Logs (incoming, outgoing) were acquired	Actual	
Results:	All Call Logs (incoming, outgoing) were acquired Assertion & Expected Result	Actual Result	
Results:	All Call Logs (incoming, outgoing) were acquired Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces.	Actual Result as expected	
Results:	All Call Logs (incoming, outgoing) were acquired Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces. A_IM-04 Readability and completeness of acquired data via supported reports.	Actual Result as expected as expected	
Results:	All Call Logs (incoming, outgoing) were acquired Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces. A_IM-04 Readability and completeness of acquired data via	Actual Result as expected	
Results:	All Call Logs (incoming, outgoing) were acquired Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces. A_IM-04 Readability and completeness of acquired data via supported reports.	Actual Result as expected as expected	

5.2.7 CFT-IM-08 (Nokia 6101)

Test Case CF1	-IM-08 Guidance Software	Neutrino Version 1.4.14	
Case	CFT-IM-08 Acquire mobile device internal memory and review reported text		
Summary:	messages.		
Assertions:		rensic 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.		
		rensic tool successfully completes acquisition of	
	_	ll text messages (i.e., SMS, EMS) messages shall be	
	presented in a human-rea	dable format without modification.	
Tester	rpa		
Name:			
Test Host:	Morrisy	2000	
Test Date:	Fri Apr 25 09:33:26 EDT	2008	
Device:	Nokia_6101 OS: WIN XP		
Source Setup:	Interface: RJ45		
secup.	DATA OBJECTS	DATA ELEMENTS	
	Address Book Entries	PAIA BUENENIS	
	Address Book Entries	Marinum Longth	
		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 - 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	
	11		
		Image	

	Image - Deleted			
	Video			
	Video - Deleted			
Log	Created By Neutrino Version 1.4.14			
Highlights:	Acquisition started: Fri Apr 25 09:33:26 EDT 2008			
	Acquisition finished: Fri Apr 25 09:45:03 EDT 2008			
	Device connectivity was established via supported interface			
	Readability and completeness of acquired data was successful			
	Readability and completeness of acquired data was successful			
	ALL text messages (SMS, EMS) were acquired data was successful			
Pogulta				
Results:	ALL text messages (SMS, EMS) were acquired			
Results:		Actual Result		
Results:	ALL text messages (SMS, EMS) were acquired	Actual		
Results:	ALL text messages (SMS, EMS) were acquired Assertion & Expected Result	Actual Result		
Results:	ALL text messages (SMS, EMS) were acquired Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces.	Actual Result as expected		
Results:	ALL text messages (SMS, EMS) were acquired Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces. A_IM-04 Readability and completeness of acquired data via supported reports.	Actual Result as expected as expected		
Results:	ALL text messages (SMS, EMS) were acquired Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces. A_IM-04 Readability and completeness of acquired data via	Actual Result as expected		
Results:	ALL text messages (SMS, EMS) were acquired Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces. A_IM-04 Readability and completeness of acquired data via supported reports.	Actual Result as expected as expected		

5.2.8 CFT-IM-10 (Nokia 6101)

	-IM-10 Guidance Software		
Case		e device internal memory and review reported stand-	
Summary:	alone multi-media data (i.e., audio, graphics, video).		
Assertions:	A_IM-01 If a cellular forensic tool provides support for connectivity of		
	the target device then the tool shall successfully recognize the target		
	device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).		
	A_IM-04 If a cellular forensic tool successfully completes acquisition of		
	the target device then the tool shall have the ability to present acquired		
	data elements in a human-readable format via either a preview-pane or		
	generated report.		
	A_IM-20 If a cellular forensic tool successfully completes acquisition of		
	-	all stand-alone audio files shall be playable via	
		ication or suggested third-party application without	
	modification.		
		prensic tool successfully completes acquisition of	
	the target device then all stand-alone image files shall be viewable via		
	either an internal application or suggested third-party application without		
	modification.		
	A_IM-22 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone video files shall be viewable via		
	-		
	either an internal application or suggested third-party application without		
	modification.		
Tester	rpa		
Name:	-		
Test Host:	Morrisy	2000	
Test Date:	Fri Apr 25 10:21:00 EDT	2008	
Device:	Nokia_6101		
Source	OS: WIN XP		
Setup:	Interface: RJ45		
	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	Special Character	
	Call DOAP	Missed	
		Missed Deleted	
		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 - Read	
		3	
		Incoming Foreign EMS - Read	
		Incoming EMS - Deleted	
		Outgoing EMS	
		Outgoing EMS - Deleted	
	MMS Messages		
	Mino Messages		

	Incoming Image	
	Incoming Video	
	Outgoing Audio	
	Outgoing Image	
	Outgoing Video	
	Stand-alone data files	
	Audio	
	Audio - Deleted	
	Image	
	Image - Deleted	
	Video	
	Video - Deleted	
	Acquisition started: Fri Apr 25 10:21:00 EDT 2008	
Results:	Acquisition statted: FIT Apr 25 10:27:16 EDT 2008 Acquisition finished: Fri Apr 25 10:27:16 EDT 2008 Device connectivity was established via supported interface Readability and completeness of acquired data was successful ALL stand-alone data files (Audio, Image, Video) were acquir Assertion & Expected Result	
Results:	Acquisition finished: Fri Apr 25 10:27:16 EDT 2008 Device connectivity was established via supported interface Readability and completeness of acquired data was successful ALL stand-alone data files (Audio, Image, Video) were acquir Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces.	Actual Result as expected
Results:	Acquisition finished: Fri Apr 25 10:27:16 EDT 2008 Device connectivity was established via supported interface Readability and completeness of acquired data was successful ALL stand-alone data files (Audio, Image, Video) were acquir Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces. A_IM-04 Readability and completeness of acquired data via	Actual Result
Results:	Acquisition finished: Fri Apr 25 10:27:16 EDT 2008 Device connectivity was established via supported interface Readability and completeness of acquired data was successful ALL stand-alone data files (Audio, Image, Video) were acquir Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces. A_IM-04 Readability and completeness of acquired data via supported reports.	Actual Result as expected as expected
Results:	Acquisition finished: Fri Apr 25 10:27:16 EDT 2008 Device connectivity was established via supported interface Readability and completeness of acquired data was successful ALL stand-alone data files (Audio, Image, Video) were acquir Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces. A_IM-04 Readability and completeness of acquired data via supported reports. A_IM-20 Acquisition of stand-alone audio files.	Actual Result as expected as expected as expected
Results:	Acquisition finished: Fri Apr 25 10:27:16 EDT 2008 Device connectivity was established via supported interface Readability and completeness of acquired data was successful ALL stand-alone data files (Audio, Image, Video) were acquir Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces. A_IM-04 Readability and completeness of acquired data via supported reports. A_IM-20 Acquisition of stand-alone audio files. A_IM-21 Acquisition of stand-alone graphic files.	Actual Result as expected as expected as expected as expected
Results:	Acquisition finished: Fri Apr 25 10:27:16 EDT 2008 Device connectivity was established via supported interface Readability and completeness of acquired data was successful ALL stand-alone data files (Audio, Image, Video) were acquir Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces. A_IM-04 Readability and completeness of acquired data via supported reports. A_IM-20 Acquisition of stand-alone audio files.	Actual Result as expected as expected as expected

5.2.9 CFT-IMO-01 (Nokia 6101)

Case	FT-IMO-01 Guidance Software Neutrino Version 1.4.14 CFT-IMO-01 Acquire mobile device internal memory and review reported data		
Summary:	via supported generated report formats.		
Assertions:	A_IMO-38 If a cellular forensic tool successfully completes acquisition of		
		ne tool shall present the acquired data without	
	-	ed generated report formats.	
		ea generatea report rormats.	
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Fri Apr 25 10:40:30 EDT 2	2008	
Device:	Nokia 6101		
Source	OS: WIN XP		
Setup:	Interface: RJ45		
Jecupi	DATA OBJECTS	DATA ELEMENTS	
	Address Book Entries	DAIA EDEMENIS	
	Address Book Entries	Marrimum Longth	
		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	<u> </u>	
		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	OULGOING THO - DETELED	
	MIMS Messages	Turaning Audia	
		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	
		ATGEO - DETELEO	

Test Case CFT	-IMO-01 Guidance Software Neutrino Version 1.4.14	
Highlights:	Acquisition started: Fri Apr 25 10:40:30 EDT 2008 Acquisition finished: Fri Apr 25 10:46:06 EDT 2008 Complete representation of known data via generated report	s was successful
Results:	Assertion & Expected Result	Actual Result
	A_IMO-38 Comparison of known device data elements via generated reports.	as expected
Analysis:	Expected results achieved	

5.2.10 CFT-IMO-02 (Nokia 6101)

Case	T-IMO-02 Guidance Software Neutrino Version 1.4.14 CFT-IMO-02 Acquire mobile device internal memory and review reported data		
Summary:	via the preview-pane.		
Assertions:		orensic tool successfully completes acquisition of	
		he tool shall present the acquired data without	
	modification in a preview		
	-	*	
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Fri Apr 25 11:32:06 EDT	2008	
Device:	Nokia_6101		
Source	OS: WIN XP		
Setup:	Interface: RJ45		
	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	
	MMO Magaza	Outgoing EMS - Deleted	
	MMS Messages	Incoming Audio	
		Incoming Audio	
		Incoming Image	
		Incoming Video	
		Outgoing Audio	
		Outgoing Image	
	Obered elemendate fil	Outgoing Video	
	Stand-alone data files	7	
		Audio	
		Audio - Deleted	
		Image	
		Image - Deleted	
		Video	
		Video - Deleted	

Test Case CFT	-IMO-02 Guidance Software Neutrino Version 1.4.14	
Highlights:	Acquisition started: Fri Apr 25 11:32:06 EDT 2008 Acquisition finished: Fri Apr 25 11:41:00 EDT 2008 Complete representation of known data via preview-pane was	s successful
Results:	Assertion & Expected Result	Actual Result
	A_IMO-39 Comparison of known device data elements via preview-pane.	as expected
Analysis:	Expected results achieved	

5.2.11 CFT-IMO-03 (Nokia 6101)

	IMO-03 Guidance Software		
Case	CFT-IMO-03 Acquire mobile device internal memory and compare reported data		
Summary:	via the preview-pane and supported generated reports.		
Assertions:	A_IMO-38 If a cellular fo	prensic tool successfully completes acquisition of	
	the target device then the	ne tool shall present the acquired data without	
		ed generated report formats.	
	A_IMO-39 If a cellular fo	prensic tool successfully completes acquisition of	
		ne tool shall present the acquired data without	
	modification in a preview	v-pane view.	
	A IMO-40 If a cellular fo	prensic tool provides a preview-pane view and a	
	—	acquired data then the reports shall maintain	
	consistency of all report		
Tester Name:	rpa		
Test Host:	Morrisy		
	-	2000	
Test Date:	Fri Apr 25 11:41:25 EDT 2	2008	
Device:	Nokia_6101		
Source	OS: WIN XP		
Setup:	Interface: RJ45		
	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	
		Special character	
	Call Logs	Md www d	
		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 - Deleted	
		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	

Test Case CFI	-IMO-03 Guidance Software Neutrino Version 1.4.14	
	Video - Deleted	
Log	Created By Neutrino Version 1.4.14	
Highlights:	Acquisition started: Fri Apr 25 11:41:25 EDT 2008	
	Acquisition finished: Fri Apr 25 11:57:23 EDT 2008	
	Complete representation of known data via generated reports w	was successful
	Complete representation of known data via preview-pane was su	uccessful
	Consistency between generated reports and preview-pane was su	uccessful
Results:	Accountion & Ermonted Desult	Actual
	Assertion & Expected Result	Result
	A_IMO-38 Comparison of known device data elements via generated reports.	as expected
	A_IMO-39 Comparison of known device data elements via preview-pane.	as expected
	A_IMO-40 Compare generated reports and preview-pane views	as expected
	for device acquisition.	

5.2.12 CFT-IMO-04 (Nokia 6101)

Case	CFT-IMO-04 After a successful mobile device internal memory acquisition,		
Summary:	alter the case file via third party means and attempt to re-open the case.		
Assertions:	A_IMO-41 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	r reporting data modification.	
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Fri Apr 25 11:59:36 EDT :	2008	
Device:	Nokia_6101		
Source	OS: WIN XP		
Setup:	Interface: RJ45		
	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		
	11M 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 Deleted	
	MMC Moggogo	Outgoing EMS - Deleted	
	MMS Messages	Incoming Audio	
		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	
		ATAGO - DETECCA	

Test Case CF1	-IMO-04 Guidance Software Neutrino Version 1.4.14	
Highlights:	Acquisition started: Fri Apr 25 11:59:36 EDT 2008	
	Acquisition finished: Fri Apr 25 12:05:17 EDT 2008	
	Notification of modified case data was successful	
	Notes:	
	EnCase reports the following error when attempting to Error in <filename>: Invalid data checksum</filename>	modify a case file:
Results:		
	Assertion & Expected Result	Actual Result
	A_IMO-41 Notification of modified device case data.	as expected
Analysis:	Expected results achieved	

5.2.13 CFT-IMO-10 (Nokia 6101)

Test Case CFT	-IMO-10 Guidance Software	Neutrino Version 1.4.14
Case		nd-alone mobile device internal memory acquisition
Summary:	and review the status fla	ags for text messages present on the SIM.
Assertions:	A_IMO-38 If a cellular fo	prensic tool successfully completes acquisition of
	the target device then the	ne tool shall present the acquired data without
		ed generated report formats.
		prensic tool successfully completes acquisition of
		ne tool shall present the acquired data without
	modification in a preview	
		forensic tool supports stand-alone acquisition of
	internal memory with the	SIM present, then the contents of the SIM shall
		iternal memory acquisition.
	not be modified during in	iternal memory acquisition.
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Fri Apr 25 12:16:58 EDT 2	2008
Device:	Nokia_6101	
Source	OS: WIN XP	
Setup:	Interface: RJ45	
	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	5
	1111 2404	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
		illage - Dereced

Test Case CFT	-IMO-10 Guidance Software Neutrino Version 1.4.14	
	Video - Deleted	
Log Highlights:	Created By Neutrino Version 1.4.14 Acquisition started: Fri Apr 25 12:16:58 EDT 2008 Acquisition finished: Fri Apr 25 12:23:19 EDT 2008	
	Complete representation of known data via generated reports successful Complete representation of known data via preview-pane was Stand-alone acquisition without disrupting SIM data was not	not successful
	Notes: When selecting "Acquire Logical Data" only, text messages present on the SIM whose status is "Unread" is modified to "Read" after the internal memory device logical Acquisition	1.
	"Acquire SIM Image" is NOT selected.	
Results:		
	Assertion & Expected Result	Actual Result
	A_IMO-38 Comparison of known device data elements via generated reports.	Partial
	A_IMO-39 Comparison of known device data elements via preview-pane.	Partial
	A_IMO-55 Stand-along acquisition without disrupting SIM data.	Not as expected
Analysis:	Expected results not achieved	

5.2.14 CFT-IMO-11 (Nokia 6101)

Test Case CFT	-IMO-11 Guidance Software	Neutrino Version 1.4.14
Case		e device internal memory and review hash values for
Summary:	vendor supported data ob	
Assertions:	A_IMO-38 If a cellular fo	prensic tool successfully completes acquisition of
	the target device then the	ne tool shall present the acquired data without
	modification via supporte	ed generated report formats.
	A IMO-39 If a cellular fo	prensic tool successfully completes acquisition of
	the target device then the	ne tool shall present the acquired data without
	modification in a preview	
		forensic tool supports hashing for individual data
		all present the user with a hash value for each
	supported data object.	ari present the user with a hash value for each
	supported data object.	
Destan News!		
Tester Name: Test Host:	rpa	
	Morrisy	2000
Test Date:	Fri Apr 25 12:24:07 EDT 2	2008
Device:	Nokia_6101	
Source	OS: WIN XP	
Setup:	Interface: RJ45	
	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	
	Call 1095	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	
	משיי מישיי	Incoming Audio
		Incoming Audio
		Incoming Image
		Incoming Video
		Outgoing Audio
		Outgoing Image
		Outgoing Video
	Stand-alone data files	
	Stand-atome data tiles	7
		Audio
		Audio - Deleted
		Image
		Image - Deleted

	Video - Deleted	
Log Highlights:	Created By Neutrino Version 1.4.14 Acquisition started: Fri Apr 25 12:24:07 EDT 2008 Acquisition finished: Fri Apr 25 12:30:36 EDT 2008 Complete representation of known data via generated reports was successful Device hash reporting for individual acquired data elements was successful Notes: Contacts, Text Messages (SMS, EMS) Call Logs, Calendar entries and File System data objects hash values are reported via the GUI.	
	System data objects hash values are reported via the GUI.	
Results:	System data objects hash values are reported via the GUI. Assertion & Expected Result	Actual
Results:		Actual
Results:	Assertion & Expected Result A_IMO-38 Comparison of known device data elements via	Actual Result
Results:	Assertion & Expected Result A_IMO-38 Comparison of known device data elements via generated reports. A_IMO-39 Comparison of known device data elements via	Actual Result as expected

5.2.15 CFT-SIM-01 (T-Mobile SIM)

Test Case CFT	-SIM-01 Guidance Software Neutrino Ve	ersion 1.4.14		
Case	CFT-SIM-01 Acquire SIM over supporte	ed interfaces (e.g	., PC/SC reader,	
Summary:	proprietary reader).			
Assertions:	A_SIM-23 If a cellular forensic tool provides support for connectivity of the target SIM then the tool shall successfully recognize the target SIM via all vendor supported interfaces (e.g., PC/SC reader, proprietary reader).			
Tester Name:	rpa			
Test Host:	Morrisy			
Test Date:	Mon Apr 21 13:26:49 EDT 2008			
Device:	TMOBILE SIM			
Source	OS: WIN XP			
Setup:	Interface: USB			
<u>-</u>	DATA OBJECTS	DATA ELEMENTS		
	Abbreviated Dialing Numbers (ADN)			
		Maximum Length		
		Special Characte	er	
		Blank Name		
		Regular Length -	- Deleted Number	
		Foreign Entry		
	Call Logs			
		Last Numbers Dia	aled (LND)	
	Text Messages			
		Incoming SMS - F	Read	
		Incoming SMS - F	Foreign	
		Incoming SMS - I	Deleted	
		Incoming SMS - U	Jnread	
		Incoming Foreign	n EMS - Read	
		Incoming EMS - I	Deleted	
T				
Log Hiqhliqhts:	Created By Neutrino Version 1.4.14			
internet and the second s	Acquisition started: Mon Apr 21 13:26:49 EDT 2008 Acquisition finished: Mon Apr 21 13:27:22 EDT 2008			
	Acquisición linisned. Mon Api 21 13.27.22 EDI 2008			
	Media connectivity was established v	via supported inte	rface	
Results:	Assertion & Expected Result		Actual Result	
	A_SIM-23 SIM connectivity via supp	orted interfaces	as expected	
	A_DIM-25 DIM CONNECCIVITY VIA Supp	orted interfaces.	us expected	
Analysis:	Expected results achieved			
÷				

5.2.16 CFT-SIM-02 (T-Mobile SIM)

Test Case CFT	-SIM-02 Guidance Software Neutrino Ve	rsion 1.4.14			
Case	CFT-SIM-02 Attempt acquisition of a				
Summary:	of I bin of modempe adjustion of a non papported sind				
Assertions:	A_SIM-24 If a cellular forensic tool SIM then the tool shall have the abs supported.				
Tester Name:	rpa				
Test Host:	Morrisy				
Test Date:	Mon Apr 21 13:29:19 EDT 2008				
Device:	TMOBILE_SIM				
Source	OS: WIN XP				
Setup:	Interface: USB				
	DATA OBJECTS	DATA ELEMENTS	7		
	Abbreviated Dialing Numbers (ADN)		7		
		Maximum Length	7		
		Special Character	1		
		Blank Name	1		
		Regular Length - Deleted Number	-		
		Foreign Entry	-		
	Call Logs		-		
		Last Numbers Dialed (LND)	-		
	Text Messages		-		
		Incoming SMS - Read	-		
		Incoming SMS - Foreign	-		
		Incoming SMS - Deleted	-		
		Incoming SMS - Unread	-		
		Incoming Foreign EMS - Read	-		
		Incoming EMS - Deleted	-		
		incoming hab bereed			
Log	Created By Neutrino Version 1.4.14	20.10 777 0000			
Highlights:	Acquisition started: Mon Apr 21 13:	7A:TA EDJ. 5008			
	Identification of non-supported med	la was successful			
Results:					
	Assertion & Expected Result	Actual Result			
	A_SIM-24 Identification of non-sup	ported SIMs. as expected			
Analysis:	Expected results achieved				

5.2.17 CFT-SIM-03 (T-Mobile SIM)

Teet Case CTT	-SIM-03 Guidance Software Neutrino Ver	sion 1 4 14	
Case			ivity by interface
Summary:	CFT-SIM-03 Begin SIM acquisition and interrupt connectivity by interface disengagement.		
Assertions:	A_SIM-23 If a cellular forensic tool provides support for connectivity of		
Assertions.	the target SIM then the tool shall su		
	via all vendor supported interfaces (-
	reader).	e.g., PC/SC leade	I, proprietary
	A_SIM-25 If a cellular forensic tool	encounters disens	agement between the
	SIM reader and application then the a	-	-
	connectivity has been disrupted.	appricación bharr	notity the user that
	conneccivity has been distupted.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Mon Apr 21 13:31:10 EDT 2008		
Device:	TMOBILE_SIM		
Source	OS: WIN XP		
Setup:	Interface: USB		
·····	DATA OBJECTS	DATA ELEMENTS	
	Abbreviated Dialing Numbers (ADN)		
		Maximum Length	
		Special Character	<u></u>
		Blank Name	
		Regular Length -	Deleted Number
		Foreign Entry	
	Call Logs		
		Last Numbers Dial	led (LND)
	Text Messages		
		Incoming SMS - Re	ead
		Incoming SMS - Fo	
		Incoming SMS - De	
		Incoming SMS - Ur	
		Incoming Foreign	
		Incoming EMS - De	
Log	Created By Neutrino Version 1.4.14		
Highlights:	Acquisition started: Mon Apr 21 13:31		
	Acquisition finished: Mon Apr 21 13:3	3:12 EDT 2008	
			-
	Media connectivity was established via supported interface		
	Media acquisition disruption notifica	ation was successf	ul
Demalter			
Results:	Aggertion & Exposted Desult		Actual Regult
	Assertion & Expected Result	tod into-force	Actual Result
	A_SIM-23 SIM connectivity via suppor		as expected
	A_SIM-25 Notification of SIM acquisi	LLION AISTUPTION.	as expected
Applugist	Empated wegulta estimate		
Analysis:	Expected results achieved		

5.2.18 CFT-SIM-04 (T-Mobile SIM)

Test Case (FT	-SIM-04 Guidance Software Neutrino Ve	prsion 1.4.14		
Case	CFT-SIM-04 Attempt acquisition on a			
Summary:				
Assertions:	A_SIM-23 If a cellular forensic tool	l provides support for c	onnectivity of	
	the target SIM then the tool shall s		-	
	via all vendor supported interfaces		-	
	reader).			
	A_SIM-26 If the SIM is password-prot	tected then the cellular	forensic tool	
	shall provide the examiner with the	opportunity to input the	e PIN before	
	acquisition.			
Tester Name:	rpa			
Test Host:	Morrisy			
Test Date:	Mon Apr 21 13:34:27 EDT 2008			
Device:	TMOBILE_SIM			
Source	OS: WIN XP			
Setup:	Interface: USB			
	DATA OBJECTS	DATA ELEMENTS		
	Abbreviated Dialing Numbers (ADN)	Morrimum Longth		
		Maximum Length		
		Special Character		
		Blank Name	a di Ataunha an	
		Regular Length - Delet	ed Number	
		Foreign Entry		
	Call Logs	Last Numbers Dialed (I		
	Text Messages	Last Numbers Diated (1		
	Text Messages	Incoming SMS - Read		
		Incoming SMS - Foreign	1	
		Incoming SMS - Poleign		
		Incoming SMS - Unread		
		Incoming Foreign EMS -	Read	
		Incoming EMS - Deleted		
		1		
Log	Created By Neutrino Version 1.4.14			
Highlights:	Acquisition started: Mon Apr 21 13:3	34:27 EDT 2008		
	Acquisition finished: Mon Apr 21 13	:38:48 EDT 2008		
	Media connectivity was established w			
	Ability to enter PIN on protected me	edia before acquisition	was successful	
Results:				
NCBUILD.	Assertion & Expected Result		Actual	
			Result	
	A_SIM-23 SIM connectivity via supp	orted interfaces	as expected	
	A_SIM-26 Password entry before acqu		as expected	
	SIMs.	arsieron for protected	us expected	
			1	
	Expected results achieved			

5.2.19 CFT-SIM-05 (T-Mobile SIM)

Test Case CFT	-SIM-05 Guidance Software Neutrino Ve	rsion 1.4.14		
Case	CFT-SIM-05 Acquire SIM internal memo	ory and review reported da	ita via the	
Summary:	preview-pane or generated reports for readability.			
Assertions:	A_SIM-23 If a cellular forensic tool	A SIM-23 If a cellular forensic tool provides support for connectivity of		
	the target SIM then the tool shall s	successfully recognize the	e target SIM	
	via all vendor supported interfaces	(e.g., PC/SC reader, prop	rietary	
	reader).			
	A_SIM-27 If a cellular forensic tool	successfully completes a	cquisition of	
	the target SIM then the tool shall h		-	
	data in a human-readable format via	either preview-pane or ge	enerated	
	report.			
Tester Name:	rpa			
Fest Host:	Morrisy			
Test Date:	Mon Apr 21 13:50:02 EDT 2008			
Device:	TMOBILE_SIM			
Source	OS: WIN XP			
Setup:	Interface: USB			
_	DATA OBJECTS	DATA ELEMENTS		
	Abbreviated Dialing Numbers (ADN)			
		Maximum Length		
		Special Character		
		Blank Name		
		Regular Length - Deleted	d Number	
		Foreign Entry		
	Call Logs			
		Last Numbers Dialed (LN	D)	
	Text Messages		- ,	
		Incoming SMS - Read		
		Incoming SMS - Foreign		
		Incoming SMS - Deleted		
		Incoming SMS - Unread		
		Incoming Foreign EMS - I	Read	
		Incoming EMS - Deleted	licuu	
		Incoming EMD Derected		
Log	Created By Neutrino Version 1.4.14			
Highlights:	Acquisition started: Mon Apr 21 13:5	0:02 EDT 2008		
	Acquisition finished: Mon Apr 21 14:	10:50 EDT 2008		
	Media connectivity was established v			
	Readability and completeness of acquired data was successful			
Results:				
	Assertion & Expected Result		Actual	
	_		Result	
	A_SIM-23 SIM connectivity via suppo	orted interfaces.	as expected	
	A_SIM-27 Readability and completene		as expected	
	supported reports.	in the second se		
Analysis:	Expected results achieved			
	TUPCCICA TCDATCD GOUTEVER			

5.2.20 CFT-SIM-06 (T-Mobile SIM)

	-SIM-06 Guidance Software Neutrino Vers			
Case	CFT-SIM-06 Acquire SIM internal memory			
Summary:	equipment related information (i.e., S			
Assertions:	A_SIM-23 If a cellular forensic tool provides support for connectivity of			
	the target SIM then the tool shall successfully recognize the target SIM			
	via all vendor supported interfaces (e	e.g., PC/SC reader, prop	rietary	
	reader).			
	A_SIM-27 If a cellular forensic tool s		-	
	the target SIM then the tool shall hav		-	
	data in a human-readable format via ei	ther preview-pane or ge	enerated	
	report.			
	A_SIM-29 If a cellular forensic tool s			
	the target SIM then the ICCID shall be	e presented in a human-r	eadable format	
	without modification.			
	A_SIM-30 If a cellular forensic tool s			
	the target SIM then the IMSI shall be without modification.	presented in a numan-re	adable format	
	without modification.			
Tester Name:	rpa			
Test Host:	Morrisy			
Test Date:	Mon Apr 21 14:25:32 EDT 2008			
Device:	TMOBILE_SIM			
Source	OS: WIN XP			
Setup:	Interface: USB			
	DATA OBJECTS	DATA ELEMENTS		
	Abbreviated Dialing Numbers (ADN)			
		Maximum Length		
		Special Character		
		Blank Name		
		Regular Length - Deleted	1 Number	
		Foreign Entry		
		Foreign Enery		
	Call Logs	Last Numbers Dialed (LNI		
		Last Numbers Dialed (LN)	
	Text Messages	In sominar GMG Dood		
		Incoming SMS - Read		
		Incoming SMS - Foreign		
		Incoming SMS - Deleted		
		Incoming SMS - Unread	2 1	
		Incoming Foreign EMS - H	Read	
	· · · ·	Incoming EMS - Deleted		
Log	Created By Neutrino Version 1.4.14			
Highlights:	Acquisition started: Mon Apr 21 14:25:	32 EDT 2008		
	Acquisition finished: Mon Apr 21 14:28	3:36 EDT 2008		
	Media connectivity was established via			
	Readability and completeness of acquir	red data was successful		
	ICCID was acquired			
	IMSI was acquired			
	No. b. a. a.			
	Notes:			
	The following fields: ICCID and IMSI were present in the generated report,			
	but not found within the Graphical Use	er interlace.		
Results:				
NCBUILD.	Assertion & Expected Result		Actual	
	Appertion & Expected Result			
	A GIM 00 GIM some stands and	ad interference	Result	
	A_SIM-23 SIM connectivity via support		as expected	
	A_SIM-27 Readability and completeness	s of acquired data via	as expected	
	supported reports.		-	
	A_SIM-29 Acquisition of ICCID.		as expected	
	·			
	A_SIM-30 Acquisition of IMSI.		as expected	

ſ	Test Case CFT	-SIM-06 Guidance Software Neutrino Version 1.4.14
	Analysis:	Expected results achieved

5.2.21 CFT-SIM-07 (T-Mobile SIM)

	-SIM-07 Guidance Software Neutrino Ve				
Case	CFT-SIM-07 Acquire SIM internal memory and review reported Abbreviated				
Summary:	Dialing Numbers (ADN). A_SIM-23 If a cellular forensic tool provides support for connectivity of				
Assertions:			-		
	the target SIM then the tool shall successfully recognize the target SIM				
	via all vendor supported interfaces	(e.g., PC/SC reader, prop	prietary		
	reader).				
	A_SIM-27 If a cellular forensic tool				
	the target SIM then the tool shall h	have the ability to preser	nt acquired		
	data in a human-readable format via	either preview-pane or ge	enerated		
	report.				
	A_SIM-32 If a cellular forensic tool				
	the target SIM then all Abbreviated	5	all be		
	presented in a human-readable format	without modification.			
Tester Name: Test Host:	rpa Morrisy				
Cest Date:	Mon Apr 21 14:34:45 EDT 2008				
Device:	TMOBILE_SIM				
Source	OS: WIN XP				
Setup:	Interface: USB				
	DATA OBJECTS	DATA ELEMENTS			
	Abbreviated Dialing Numbers (ADN)				
		Maximum Length			
		Special Character			
		Blank Name			
		Regular Length - Delete	d Number		
		Foreign Entry			
	Call Logs				
		Last Numbers Dialed (LN	D)		
	Text Messages				
		Incoming SMS - Read			
		Incoming SMS - Foreign			
		Incoming SMS - Deleted			
		Incoming SMS - Unread			
		Incoming Foreign EMS - 1	Read		
		Incoming EMS - Deleted			
Log	Created By Neutrino Version 1.4.14				
Highlights:	Acquisition started: Mon Apr 21 14:34:45 EDT 2008				
	Acquisition finished: Mon Apr 21 14:	43:58 EDT 2008			
	Madia appropriate the set of 1 1				
	Media connectivity was established via supported interface				
	Readability and completeness of acquired data was successful				
	Regular length ADNs were acquired				
	Maximum Length ADNs were not acquired				
	Special Character ADNs were not acquired				
	Blank Name ADNs were acquired				
	Netos				
	Notes: Maximum length ADNs (16 characters)	were not acquired or repo	orted		
	Maximum length ADNs (16 characters) were not acquired or reported				
	in either the GUI or generated report.				
	Special character names (i.e., '@') were not displayed.				
		interation			
Results:					
	Assertion & Expected Result		Actual		
			Result		
	A_SIM-23 SIM connectivity via suppo	orted interfaces.	as expected		
	A_SIM-27 Readability and completene	ess of acquired data via	as expected		
	A_SIM-27 Readability and completene supported reports.	ess of acquired data via	as expected		
		ess of acquired data via	as expected Partial		

ſ	Test Case CFT	-SIM-07 Guida	ance Software	Neutrino Version	1.4.14
	Analysis:	Partial resu	ults achieved		

5.2.22 CFT-SIM-08 (T-Mobile SIM)

Togt Cage (ITT	-SIM-08 Guidance Software Neutrino Version 1.4.14				
Case					
	CFT-SIM-08 Acquire SIM internal memory and review reported Last Numbers Dialed (LND).				
Summary:	A_SIM-23 If a cellular forensic tool provides support for connectivity of				
Assertions:					
	the target SIM then the tool shall successfully				
	via all vendor supported interfaces (e.g., PC/SC reader).	reader, proprietary			
	A_SIM-27 If a cellular forensic tool successfull	w completed addition of			
	the target SIM then the tool shall have the abil				
	data in a human-readable format via either previ				
	report.	ew pane of generated			
	A_SIM-33 If a cellular forensic tool successfull	v completes acquisition of			
	the target SIM then all Last Numbers Dialed (LNI				
	human-readable format without modification.	· _			
Tester Name:	rpa				
Test Host:	Morrisy				
Test Date:	Mon Apr 21 14:52:24 EDT 2008				
Device:	TMOBILE_SIM				
Source	OS: WIN XP				
Setup:	Interface: USB				
	DATA OBJECTS DATA ELE	MENTS			
	Abbreviated Dialing Numbers (ADN)				
	Maximum Le	ngth			
	Special Ch	aracter			
	Blank Name				
	Regular Le	ngth - Deleted Number			
	Foreign En	try			
	Call Logs				
	Last Number	rs Dialed (LND)			
	Text Messages				
	Incoming S	MS - Read			
	Incoming S	MS - Foreign			
	Incoming S	MS - Deleted			
	Incoming S	MS - Unread			
	Incoming F	oreign EMS - Read			
	Incoming E	MS - Deleted			
	<u>.</u>				
Log	Created By Neutrino Version 1.4.14				
Highlights:	Acquisition started: Mon Apr 21 14:52:24 EDT 2008				
	Acquisition finished: Mon Apr 21 15:02:51 EDT 2008				
	Media connectivity was established via supported interface				
	Readability and completeness of acquired data was successful LNDs were acquired				
	LINDS WEIE acquired				
Results:					
	Assertion & Expected Result	Actual			
		Result			
	A_SIM-23 SIM connectivity via supported interfa				
	A SIM-27 Readability and completeness of acquir				
	supported reports.				
	A_SIM-33 Acquisition of LNDs.	as expected			
Analysis:	Expected results achieved				

5.2.23 CFT-SIM-09 (T-Mobile SIM)

	-SIM-09 Guidance Software Neutrino Ve		wt moggogog		
Case	CFT-SIM-09 Acquire SIM internal memo	ry and review reported to	ext messages		
Summary:	(i.e., SMS, EMS).				
Assertions:	A_SIM-23 If a cellular forensic tool provides support for connectivity of				
	the target SIM then the tool shall successfully recognize the target SIM				
	via all vendor supported interfaces (e.g., PC/SC reader, proprietary				
	reader).				
	A_SIM-27 If a cellular forensic tool	successfully completes a	acquisition of		
	the target SIM then the tool shall h				
	data in a human-readable format via	either preview-pane or ge	enerated		
	report.				
	A_SIM-34 If a cellular forensic tool	successfully completes A	Acquisition of		
	the target SIM then all SMS text mes	sages shall be presented	in a human-		
	readable format without modification				
	A_SIM-35 If a cellular forensic tool	successfully completes A	Acquisition of		
	the target SIM then all EMS text mes	sages shall be presented	in a human-		
	readable format without modification	•			
Tester Name:	rpa				
Test Host:	Morrisy				
Test Date:	Tue Apr 22 09:59:38 EDT 2008				
	-				
Device:	TMOBILE_SIM				
Source	OS: WIN XP				
Setup:	Interface: USB				
	DATA OBJECTS	DATA ELEMENTS			
	Abbreviated Dialing Numbers (ADN)				
		Maximum Length			
		Special Character			
		Blank Name			
		Regular Length - Delete	d Number		
		Foreign Entry			
		Foreign Entry			
	Call Logs		-)		
		Last Numbers Dialed (LN	D)		
	Text Messages				
		Incoming SMS - Read			
		Incoming SMS - Foreign			
		Incoming SMS - Deleted			
		Incoming SMS - Unread			
		Incoming Foreign EMS -	Read		
		Incoming EMS - Deleted	Itolad		
		Incoming EMS - Dereced			
Log	Created By Neutrino Version 1.4.14				
Highlights:	Acquisition started: Tue Apr 22 09:5				
	Acquisition finished: Tue Apr 22 10:	12:46 EDT 2008			
	Media connectivity was established v	ia supported interface			
	Readability and completeness of acqu				
	ALL text messages (SMS, EMS) were ac				
	J (= -, -,	-			
	Notes:				
	Status flags for text messages are o	nly displayed for deleted	l text		
	messages.	, alprayed for defected			
	Read and unread status for text mess	ages are not presented wi	thin the		
		ages are not presented wi			
	GUI or generated report.				
Results:	<u> </u>				
	Assertion & Expected Result		Actual		
			Result		
	A_SIM-23 SIM connectivity via suppo	orted interfaces.	as expected		
	A_SIM-27 Readability and completene		as expected		
	supported reports.				
		g	as evpented		
	A_SIM-34 Acquisition of SMS message A_SIM-35 Acquisition of EMS message	s.	as expected as expected		

Test Case CFT	-SIM-09 Guidance Software Neutrino Version 1.4.14
Analysis:	Expected results achieved

5.2.24 CFT-SIMO-01 (T-Mobile SIM)

Test Case CF	I-SIMO-01 Guidance Software Neutrino N	Version 1.4.14		
Case	CFT-SIMO-01 Acquire SIM internal mer	mory and review acquired	data via	
Summary:	suported generated report formats.			
Assertions:				
	the target media (i.e., SIM) then the			
	in a human-readable format without m	modification via supporte	d generated	
	report formats.			
Tester	rpa			
Name:				
Test Host:	Morrisy			
Test Date:	Tue Apr 22 10:42:47 EDT 2008			
Device:	TMOBILE_SIM			
Source	OS: WIN XP			
Setup:	Interface: USB			
	DATA OBJECTS	DATA ELEMENTS		
	Abbreviated Dialing Numbers (ADN)			
		Maximum Length		
		Special Character		
		Blank Name		
		Regular Length - Delete	ed Number	
		Foreign Entry		
	Call Logs			
		Last Numbers Dialed (LM	ND)	
	Text Messages			
		Incoming SMS - Read		
		Incoming SMS - Foreign		
		Incoming SMS - Deleted		
		Incoming SMS - Unread		
		Incoming Foreign EMS -	Read	
		Incoming EMS - Deleted		
Log	Created By Neutrino Version 1.4.14			
Highlights:	Acquisition started: Tue Apr 22 10:4 Acquisition finished: Tue Apr 22 10			
	Complete representation of known dat	ta via generated reports	was successful	
Results:				
	Assertion & Expected Result		Actual Result	
	A_SIMO-58 Comparison of known SIM generated reports.	data elements via	as expected	
Analysis:	Expected results achieved			

5.2.25 CFT-SIMO-02 (T-Mobile SIM)

Test Case CFT	-SIMO-02 Guidance Software Neutrino V	Version 1.4.14	
Case	CFT-SIMO-02 Acquire SIM internal mer	mory and review acquired	data via the
Summary:	preview-pane.		
Assertions:	A_SIMO-59 If a cellular forensic too	ol successfully completes	s acquisition of
	the target media (i.e., SIM) then the	he tool shall present the	e acquired data
	in a human-readable format without r	modification via supporte	ed generated
	report formats.		
Tester	rpa		
Name:			
Test Host:	Morrisy		
Test Date:	Tue Apr 22 10:59:49 EDT 2008		
Device:	TMOBILE_SIM		
Source	OS: WIN XP		
Setup:	Interface: USB		
	DATA OBJECTS	DATA ELEMENTS	
	Abbreviated Dialing Numbers (ADN)		
		Maximum Length	
		Special Character	
		Blank Name	1
		Regular Length - Delet	ed Number
		Foreign Entry	
	Call Logs		
	Tout Magaagag	Last Numbers Dialed (L	ND)
	Text Messages	Incoming CMC Dood	
		Incoming SMS - Read Incoming SMS - Foreign	
		Incoming SMS - Poleigh	
		Incoming SMS - Deleted	
		Incoming Foreign EMS -	Pood
		Incoming EMS - Deleted	
		Incoming and Dereted	
Log	Created By Neutrino Version 1.4.14		
Highlights:	Acquisition started: Tue Apr 22 10:5		
	Acquisition finished: Tue Apr 22 11	:12:04 EDT 2008	
	Complete representation of known dat	ta via preview-pane was s	successful
			Juoooppiui
Results:			
	Assertion & Expected Result		Actual Result
	A_SIMO-59 Comparison of known SIM of	data elements via	as expected
	preview-pane.	uata elements via	as expected
Analysis:	Expected results achieved		

5.2.26 CFT-SIMO-03 (T-Mobile SIM)

Test Case CFT	-SIMO-03 Guidance Software Neutrino	Version 1.4.14	
Case	CFT-SIMO-03 Acquire SIM internal me	mory and compare acquired	data via the
Summary:	preview-pane and supported generate		
Assertions:	A_SIMO-58 If a cellular forensic to the target media (i.e., SIM) then the in a human-readable format without report formats. A_SIMO-59 If a cellular forensic to the target media (i.e., SIM) then the	he tool shall present the modification via supported ol successfully completes	acquired data d generated acquisition of
	in a human-readable format without	modification via supported	d generated
	report formats. A_SIMO-60 If a cellular forensic to generated report of the acquired da consistency of all reported data el	ta then the reports shall	
Tester	rpa		
Name:			
Test Host:	Morrisy		
Test Date:	Tue Apr 22 12:25:57 EDT 2008		
Device:	TMOBILE_SIM		
Source	OS: WIN XP		
Setup:	Interface: USB		
	DATA OBJECTS	DATA ELEMENTS	
	Abbreviated Dialing Numbers (ADN)		
		Maximum Length	
		Special Character	
		Blank Name	1 1
		Regular Length - Delete	d Number
		Foreign Entry	
	Call Logs		
		Last Numbers Dialed (LN	D)
	Text Messages		
		Incoming SMS - Read	
		Incoming SMS - Foreign	
		Incoming SMS - Deleted	
		Incoming SMS - Unread	D 1
		Incoming Foreign EMS -	Read
		Incoming EMS - Deleted	
Log Highlights:	Created By Neutrino Version 1.4.14 Acquisition started: Tue Apr 22 12: Acquisition finished: Tue Apr 22 12		
	Complete representation of known da Complete representation of known da		
Results:	Assertion & Expected Result		Actual Result
	A_SIMO-58 Comparison of known SIM generated reports.		as expected
	A_SIMO-59 Comparison of known SIM preview-pane.		as expected
	A_SIMO-60 Compare generated report for SIM acquisition.	s and preview-pane views	as expected
Analysis:	Expected results achieved		

5.2.27 CFT-SIMO-04 (T-Mobile SIM)

Test Case CF1	I-SIMO-04 Guidance Software Neutrino V	Version 1.4.14		
Case	CFT-SIMO-04 After a successful SIM	internal memory Acquisition, aflter the		
Summary:	case file via third party means and	attempt to re-open the case.		
Assertions:		ted 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 22 12:43:20 EDT 2008			
Device:	TMOBILE_SIM			
Source	OS: WIN XP			
Setup:	Interface: USB			
	DATA OBJECTS	DATA ELEMENTS		
	Abbreviated Dialing Numbers (ADN)			
		Maximum Length		
		Special Character		
		Blank Name		
		Regular Length - Deleted Number		
		Foreign Entry		
	Call Logs			
		Last Numbers Dialed (LND)		
	Text Messages			
	Text Messages	Incoming SMS - Read		
		Incoming SMS - Foreign		
		Incoming SMS - Deleted		
		Incoming SMS - Unread		
		Incoming Foreign EMS - Read		
		Incoming EMS - Deleted		
		Incoming EMS - Deleted		
Log	Created By Neutrino Version 1.4.14			
Highlights:	Acquisition started: Tue Apr 22 12:			
	Acquisition finished: Tue Apr 22 12:51:24 EDT 2008			
	Notification of modified case data was successful			
	Notes:			
		when attempting to modify a case file:		
	Error in <filename>: Invalid data cl</filename>	hecksum		
Results:				
	Assertion & Expected Result	Actual Result		
	A SIMO-61 Notification of modifed			
Ame land at	Demostral consultant shirts and			
Analysis:	Expected results achieved			

5.2.28 CFT-SIMO-05 (T-Mobile SIM)

	-SIMO-05 Guidance Software Neutrino V		
Case	CFT-SIMO-05 Acquire SIM internal men	mory and review reports	for recoverable
Summary:	deleted data.		
Assertions:	 A_SIMO-58 If a cellular forensic tool successfully completes acquisition of the target media (i.e., SIM) then the tool shall present the acquired data in a human-readable format without modification via supported generated report formats. A_SIMO-59 If a cellular forensic tool successfully completes acquisition of 		
	A_SIMO-59 II a certurar forensic cod the target media (i.e., SIM) then th in a human-readable format without a report formats. A_SIMO-62 If the cellular forensic for	he tool shall present the modification via support	he acquired data ted generated
	of the target SIM and recoverable do shall present recoverable deleted da modification. A_SIMO-63 If the cellular forensic of the target SIM and recoverable do	ata in a human-readable tool successfully comple	format without etes acquisition
	shall present recoverable deleted da modification.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Tue Apr 22 12:57:39 EDT 2008		
Device:	TMOBILE_SIM		
Source	OS: WIN XP		
Setup:	Interface: USB		1
	DATA OBJECTS	DATA ELEMENTS	
	Abbreviated Dialing Numbers (ADN)		
		Maximum Length	
		Special Character	
		Blank Name	
		Regular Length - Dele	eted Number
		Foreign Entry	
	Call Logs		
		Last Numbers Dialed (LND)
	Text Messages		
		Incoming SMS - Read	
		Incoming SMS - Foreig	
		Incoming SMS - Delete	
		Incoming SMS - Unread	
		Incoming Foreign EMS	
		Incoming EMS - Delete	ed
Log Highlights:	Created By Neutrino Version 1.4.14	57.20 EDT 2000	
HIGHLIGHUS.	Acquisition started: Tue Apr 22 12: Acquisition finished: Tue Apr 22 13	:10:23 EDT 2008	
Complete representation of known data via generated repo Complete representation of known data via preview-pane w Deleted SMS data was recovered Deleted EMS data was recovered			
Results:			
Results:	Assertion & Expected Result		Actual Result
Results:	A_SIMO-58 Comparison of known SIM	data elements via	
Results:	_		Result
Results:	A_SIMO-58 Comparison of known SIM generated reports. A_SIMO-59 Comparison of known SIM preview-pane.	data elements via	Result as expected
Results:	A_SIMO-58 Comparison of known SIM generated reports. A_SIMO-59 Comparison of known SIM	data elements via messages.	Result as expected

1	Test Case CFT	-SIMO-05 Guidance Software Neutrino Version 1.4.14
	Analysis:	Expected results achieved

5.2.29 CFT-SIMO-08 (T-Mobile SIM)

-SIMO-08 Guidance Software Neutrino V	ersion 1.4.14	
CFT-SIMO-08 Begin acquisition on a PIN protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts a if the PIN attempts are decremented when entering an incorrect value.		of PIN attempts and orrect value.
remaining number of authentication a	attempts then the app	
rpa		
Morrisy		
Tue Apr 22 14:12:28 EDT 2008		
TMOBILE_SIM		
OS: WIN XP		
	DATA ELEMENTS	
Abbreviated Dialing Numbers (ADN)		
	-	
		eleted Number
	Foreign Entry	
Call Logs		
	Last Numbers Dialed	l (LND)
Text Messages		
	÷	-
	Incoming SMS - Dele	eted
	Incoming SMS - Unre	ad
	Incoming Foreign EM	IS – Read
	Incoming EMS - Dele	eted
Acquisition finished: Tue Apr 22 14:	25:40 EDT 2008	
Remaining number of PIN attempts pro	operly displayed was :	successful
	<u> </u>	Actual Result
A_SIMO-67 Display of remaining num	per of PIN attempts.	as expected
Expected results achieved		
	CFT-SIMO-08 Begin acquisition on a F tool provides an accurate count of t if the PIN attempts are decremented A_SIMO-67 If a cellular forensic too remaining number of authentication a provide an accurate count of the rem Morrisy Tue Apr 22 14:12:28 EDT 2008 TMOBILE_SIM OS: WIN XP Interface: USB DATA OBJECTS Abbreviated Dialing Numbers (ADN) Call Logs Text Messages Call Logs Created By Neutrino Version 1.4.14 Acquisition started: Tue Apr 22 14:1 Acquisition finished: Tue Apr 22 14:2 Remaining number of PIN attempts pro	CFT-SIMO-08 Begin acquisition on a PIN protected SIM to a tool provides an accurate count of the remaining number if the PIN attempts are decremented when entering an inco A_SIMO-67 If a cellular forensic tool provides the examin remaining number of authentication attempts then the app provide an accurate count of the remaining PIN attempts. Tue Apr 22 14:12:28 EDT 2008 TMOBILE_SIM OS: WIN XP Interface: USB DATA OBJECTS DATA ELEMENTS Abbreviated Dialing Numbers (ADN) Special Character Blank Name Regular Length - De Foreign Entry Call Logs Call Logs Created By Neutrino Version 1.4.14 Acquisition started: Tue Apr 22 14:12:28 EDT 2008 Acquisition finished: Tue Apr 22 14:25:40 EDT 2008 Remaining number of PIN attempts properly displayed was a

5.2.30 CFT-SIMO-09 (T-Mobile SIM)

-SIMO-09 Guidance Software Neutrino V	Version 1.4.14	
exhausted to determine if the tool remaining number of PUK attempts an when entering an incorrect value.	provides an accurate d if the PUK attempts	count of the are decremented
remaining number of PUK attempts th	en the application sh	
rpa		
Morrisy		
Tue Apr 22 14:26:19 EDT 2008		
TMOBILE_SIM		
OS: WIN XP		
Interface: USB	1	
	DATA ELEMENTS	
Abbreviated Dialing Numbers (ADN)		
	Maximum Length	
	Special Character	
	Blank Name	
	Regular Length - De	eleted Number
	Foreign Entry	
Call Logs		
	Last Numbers Dialed	l (LND)
Text Messages		
	Incoming SMS - Read	l
	Incoming SMS - Fore	eign
	Incoming SMS - Dele	eted
	Incoming SMS - Unre	ad
	Incoming Foreign EM	IS – Read
	Incoming EMS - Dele	eted
Created By Neutrino Version 1 4 14		
Acquisition started: Tue Apr 22 14:		
Remaining number of PUK attempts pr	operly displayed was	successful
Assertion & Expected Result		Actual Result
A_SIMO-68 Display of remaining num	ber of PUK attempts.	as expected
	CFT-SIMO-09 Begin acquisition on a exhausted to determine if the tool remaining number of PUK attempts an when entering an incorrect value. A_SIMO-68 If a cellular forensic to remaining number of PUK attempts th accurate count of the remaining PUK rpa Morrisy Tue Apr 22 14:26:19 EDT 2008 TMOBILE_SIM OS: WIN XP Interface: USB DATA OBJECTS Abbreviated Dialing Numbers (ADN) Call Logs Text Messages Call Logs Call Call Call Call Call Call Call Call	A_SIMO-68 If a cellular forensic tool provides the examiner remaining number of PUK attempts then the application sh accurate count of the remaining PUK attempts. rpa Morrisy Tue Apr 22 14:26:19 EDT 2008 TMOBILE_SIM OS: WIN XP Interface: USB DATA OBJECTS DATA ELEMENTS Abbreviated Dialing Numbers (ADN) Maximum Length Special Character Blank Name Regular Length - De Foreign Entry Call Logs Incoming SMS - Read Incoming SMS - Pore Incoming SMS - Dele Incoming Foreign EN Incoming Foreign EN Created By Neutrino Version 1.4.14 Acquisition started: Tue Apr 22 14:26:19 EDT 2008 Acquisition finished: Tue Apr 22 14:35:58 EDT 2008 Remaining number of PUK attempts properly displayed was

5.2.31 CFT-SIMO-10 (T-Mobile SIM)

Test Case CFI	-SIMO-10 Guidance Software Neutrino V	Version 1.4.14	
Case	CFT-SIMO-10 Acquire SIM internal me		es for vendor
Summary:	supported data objects.		
Assertions:	A_SIMO-58 If a cellular forensic to		
	the target media (i.e., SIM) then the tool shall present the acquired data		
	in a human-readable format without	modification via supporte	d generated
	report formats.		
	A_SIMO-59 If a cellular forensic to		-
	the target media (i.e., SIM) then the		
	in a human-readable format without report formats.	modification via supporte	a generaled
	A_SIMO-69 If the cellular forensic	tool supports bashing for	individual
	data objects then the tool shall pro-		
	each supported data object.		
Tester	rpa		
Name:			
Test Host:	Morrisy		
Test Date:	Tue Apr 22 14:36:58 EDT 2008		
Device:	TMOBILE_SIM		
Source	OS: WIN XP		
Setup:	Interface: USB		1
	DATA OBJECTS	DATA ELEMENTS	
	Abbreviated Dialing Numbers (ADN)		
		Maximum Length	
		Special Character	
		Blank Name	
		Regular Length - Delete	ed Number
		Foreign Entry	
	Call Logs		
		Last Numbers Dialed (L1	ND)
	Text Messages	Tu namina CMC David	
		Incoming SMS - Read	
		Incoming SMS - Foreign	
		Incoming SMS - Deleted Incoming SMS - Unread	
		-	Dead
		Incoming Foreign EMS - Incoming EMS - Deleted	Reau
		Incoming EMS - Dereced	
Log	Created By Neutrino Version 1.4.14		
Highlights:	Acquisition started: Tue Apr 22 14:		
	Acquisition finished: Tue Apr 22 14	:45:47 EDT 2008	
	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		
	Device hash reporting for individua.	I acquired data elements	was successiul
	Notes:		
	NOTES: Contacts (ADNs), Test Messages (SMS, EMS) and Call Logs (LND) hash		
	values are reported via the GUI.	, hild, and carr hogs (hild) 114511
Results:	·		
	Assertion & Expected Result		Actual
			Result
	A_SIMO-58 Comparison of known SIM	data elements via	as expected
	generated reports.		
	A_SIMO-59 Comparison of known SIM	data elements via	as expected
	preview-pane.		
	A_SIMO-69 SIM hash reporting for i	ndividual acquired data	as expected
	objects.		
··· · · ·			
Analysis:	Expected results achieved		

5.2.32 CFT-IM-01 (Motorola RAZR V3)

Case	-IM-01 Guidance Software N		
Summary:	CFT-IM-01 Acquire mobile device internal memory over supported interfaces (e.g., cable, Bluetooth, IrDA).		
Assertions:			
ABBCICIOND		ne tool shall successfully recognize the target	
		pported interfaces (e.g., cable, Bluetooth, IrDA).	
		, portea interrates (e.g., easie, sraceteen, rish).	
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Thu Apr 24 07:12:04 EDT 2	2008	
Device:	Motorola RAZR V3		
Source	OS: WIN XP		
Setup:	Interface: USB		
	DATA OBJECTS	DATA ELEMENTS	
	Address Book Entries		
		Maximum Length	
		Regular Length, email, picture	
		Special Character	
		Blank Name	
		Regular Length, Deleted email - deleted picture	
		Deleted Entry	
		Foreign Entry	
	PIM Data	roreran mucry	
	I In Data	Maximum Length	
		Regular Length	
		5 5	
		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 Message	ourdornd Fub - Dereced	
	MMS Messages	Incoming Audio	
	1	Incoming Audio	
	↓	Incoming Image	
	ı	Incoming Video	
		Outgoing Audio	
		Outgoing Image	
		Outgoing Video	
	Stand-alone data files		
		Audio	
		Audio - Deleted	
		Image	
		Image - Deleted	
		Video	
		Video - Deleted	
		AIRCO - DETECER	
	1		
	i de la constante de		
	1		
1.07	Greated By Neutrine View	on 1 4 14	
Log Highlights:	Created By Neutrino Versi	ion 1.4.14 Apr 24 07:12:04 EDT 2008	

	Device connectivity was established via supported interface		
Results:			
	Assertion & Expected Result	Actual Result	
	A_IM-01 Device connectivity via supported interfaces.	as expected	
Analysis:	Expected results achieved		

5.2.33 CFT-IM-02 (Motorola RAZR V3)

	-IM-02 Guidance Software		
Case	-	nal memory acquisition of a non-supported mobile	
Summary:	device.		
Assertions:		prensic tool attempts to connect to a non-supported	
		all have the ability to identify that the device is	
	not supported.		
lester Nemet			
Cester Name:	rpa Morrisy		
Test Host:			
Test Date: Device:	Thu Apr 24 08:09:41 EDT 2008 non-supported mobile device		
Source	OS: WIN XP	/166	
Setup:	Interface: USB		
ecup.	DATA OBJECTS	DATA ELEMENTS	
		DATA ELEMENTS	
	Address Book Entries	Marriana Tanaka	
		Maximum Length	
		Regular Length, email, picture	
		Special Character	
		Blank Name	
		Regular Length, Deleted email - deleted picture	
		Deleted Entry	
		Foreign Entry	
	PIM Data	Marshaum Tarachle	
		Maximum Length	
		Regular Length	
		Deleted Entry	
		Special Character	
	Call Logs		
		Missed	
		Missed - Deleted	
		Incoming	
		Incoming - Deleted	
		Outgoing	
		Outgoing - Deleted	
	Text Messages		
		Incoming SMS - Read	
		Incoming SMS - Unread	
		Incoming SMS - Deleted	
		Outgoing SMS	
		Outgoing SMS - Deleted	
		Incoming EMS - Read	
		Incoming EMS - Unread	
		Incoming Foreign EMS - Read	
		Incoming EMS - Deleted	
		Outgoing EMS	
		Outgoing EMS - Deleted	
	MMS Messages		
		Incoming Audio	
		Incoming Image	
		Incoming Video	
		Outgoing Audio	
		Outgoing Image	
		Outgoing Video	
	Stand-alone data files		
		Audio	
		Audio - Deleted	
		Image	
		Image - Deleted	
		Video	
		Video - Deleted	

Test Case CFT	-IM-02 Guidance Software Neutrino Version 1.4.14		
Highlights:	Acquisition started: Thu Apr 24 08:09:41 EDT 2008		
	Acquisition finished: Thu Apr 24 08:11:03 EDT 2008		
	Identification of non-supported devices was succes	sful	
Results:			
	Assertion & Expected Result	Actual Result	
	A_IM-02 Identification of non-supported devices.	as expected	
Analysis:	Expected results achieved		

5.2.34 CFT-IM-04 (Motorola RAZR V3)

Test Case CFT-	IM-04 Guidance Software N	Neutrino Version 1.4.14	
Case		device internal memory and review reported data	
Summary:	-	generated reports for readability.	
		rensic tool provides support for connectivity of	
		ne tool shall successfully recognize the target	
		oported interfaces (e.g., cable, Bluetooth, IrDA).	
		rensic tool successfully completes acquisition of	
		ne tool shall have the ability to present acquired	
		-readable format via either a preview-pane or	
	generated report.	readable format the effect a provider pane of	
	Jeneracea report.		
Tester	rpa		
Name:			
	Morrisy		
Test Date:	Thu Apr 24 08:20:06 EDT 2008		
	Motorola_RAZR_V3		
Source	OS: WIN XP		
Setup:	Interface: USB		
T	DATA OBJECTS	DATA ELEMENTS	
	Address Book Entries		
	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	
	1	Incoming Foreign EMS - Read	
		Incoming EMS - Deleted	
		Outgoing EMS - Deleted	
		Outgoing EMS - Deleted	
	MMS Messages	ACADINA TWO - DETECEN	
	MMS Messages	Turaning Audia	
		Incoming Audio	
	ļ	Incoming Image	
		Incoming Video	
		Outgoing Audio	
		Outgoing Image	
		Outgoing Video	
	Stand-alone data files		
		Audio	
		Audio - Deleted	
		Image	
		Image - Deleted	
		Video	
		Video - Deleted	

Test Case CF1	T-IM-04 Guidance Software Neutrino Version 1.4.14	
Log Highlights:	Created By Neutrino Version 1.4.14 Acquisition started: Thu Apr 24 08:20:06 EDT 2008 Acquisition finished: Thu Apr 24 08:21:13 EDT 2008 Device connectivity was established via supported interface Readability and completeness of acquired data was successful	
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
Analysis:	Expected results achieved	

5.2.35 CFT-IM-05 (Motorola RAZR V3)

Test Case CFT	-IM-05 Guidance Software	Neutrino Version 1.4.14	
Case	CFT-IM-05 Acquire mobile	e device internal memory and review reported	
Summary:	subscriber and equipment	related information (i.e., IMEI, MSISDN).	
Assertions:	A_IM-01 If a cellular fo	prensic tool provides support for connectivity of	
	the target device then t	the tool shall successfully recognize the target	
		upported interfaces (e.g., cable, Bluetooth, IrDA).	
		prensic tool successfully completes acquisition of	
	_	the tool shall have the ability to present acquired	
		n-readable format via either a preview-pane or	
		r-readable format via ercher a preview-pane or	
	generated report.		
		prensic tool successfully completes acquisition of	
		equipment related information shall be presented in	
	a human-readable format	without modification.	
	-		
Tester	rpa		
Name:			
Test Host:	Morrisy		
Test Date:	Thu Apr 24 08:21:56 EDT	2008	
Device:	Motorola_RAZR_V3		
Source	OS: WIN XP		
Setup:	Interface: USB		
Decup	DATA OBJECTS	DATA ELEMENTS	
		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	Special character	
	Call Logs	Ménued	
		Missed	
		Missed - Deleted	
		Incoming	
		Incoming - Deleted	
		Outgoing	
		Outgoing - Deleted	
	Text Messages	cacjoing berecea	
	TEAC HEBBUYEB	Incoming SMG - Bood	
		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		
	Scand atome data illes	Audio	
	11	Audio - Deleted	
		Image	

	Image - Deleted		
	Video		
	Video - Deleted		
-			
Log Highlights:	Created By Neutrino Version 1.4.14 Acquisition started: Thu Apr 24 08:21:56 EDT 2008 Acquisition finished: Thu Apr 24 08:24:49 EDT 2008		
	Acquisition finished: Thu Apr 24 08:24:49 EDT 2008		
	Acquisition finished: Thu Apr 24 08:24:49 EDT 2008 Device connectivity was established via supported interface Readability and completeness of acquired data was successful		
Results:	Device connectivity was established via supported interface Readability and completeness of acquired data was successful		
Results:	Device connectivity was established via supported interface	Actual Result	
Results:	Device connectivity was established via supported interface Readability and completeness of acquired data was successful	Actual	
Results:	Device connectivity was established via supported interface Readability and completeness of acquired data was successful Assertion & Expected Result	Actual Result	

5.2.36 CFT-IM-06 (Motorola RAZR V3)

Case Summary: Assertions:	-IM-06 Guidance Software CFT-IM-06 Acquire mobile		
Summary:		e device internal memory and review reported PIM	
-	related data.	advide inceinal memory and review reperced rin	
		prensic tool provides support for connectivity of	
		the tool shall successfully recognize the target	
	device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).		
		prensic tool successfully completes acquisition of	
	the target device then !	the tool shall have the ability to present acquired	
		n-readable format via either a preview-pane or	
	generated report.		
	A_IM-07 If a cellular fo	orensic tool successfully completes acquisition of	
	the target device then a	all known address book entries shall be presented in	
	a human-readable format	without modification.	
	A_IM-08 If a cellular for	prensic tool successfully completes acquisition of	
	the target device then a	all known maximum length address book entries shall	
	be presented in a human-	-readable format without modification.	
	A_IM-09 If a cellular fo	prensic tool successfully completes acquisition of	
	the target device then a	all known address book entries containing special	
		sented in a human-readable format without	
	modification.		
		orensic tool successfully completes acquisition of	
	-	all known address book entries containing blank	
		d in a human-readable format without modification.	
	—	prensic tool successfully completes acquisition of	
	-	all known email addresses associated with address	
		resented in a human-readable format without	
	modification.		
		prensic tool successfully completes acquisition of	
	-	all known graphics associated with address book	
	-	ted in a human-readable format without modification.	
		prensic tool successfully completes acquisition of	
		all known datebook, calendar, note entries shall be	
	-	adable format without modification.	
	—	prensic tool successfully completes acquisition of	
		all maximum length datebook, calendar, note entries	
	shall be presented in a	human readable format without modification.	
Tester	rpa		
	rpa		
Tester Name: Test Host:	rpa Morrisy		
Name:		2008	
Name: Test Host:	Morrisy	2008	
Name: Test Host: Test Date:	Morrisy Thu Apr 24 08:25:43 EDT	2008	
Name: Test Host: Test Date: Device:	Morrisy Thu Apr 24 08:25:43 EDT Motorola_RAZR_V3	2008	
Name: Test Host: Test Date: Device: Source	Morrisy Thu Apr 24 08:25:43 EDT Motorola_RAZR_V3 OS: WIN XP	2008 DATA ELEMENTS	
Name: Test Host: Test Date: Device: Source	Morrisy Thu Apr 24 08:25:43 EDT Motorola_RAZR_V3 OS: WIN XP Interface: USB DATA OBJECTS		
Name: Test Host: Test Date: Device: Source	Morrisy Thu Apr 24 08:25:43 EDT Motorola_RAZR_V3 OS: WIN XP Interface: USB	DATA ELEMENTS	
Name: Test Host: Test Date: Device: Source	Morrisy Thu Apr 24 08:25:43 EDT Motorola_RAZR_V3 OS: WIN XP Interface: USB DATA OBJECTS	DATA ELEMENTS Maximum Length	
Name: Test Host: Test Date: Device: Source	Morrisy Thu Apr 24 08:25:43 EDT Motorola_RAZR_V3 OS: WIN XP Interface: USB DATA OBJECTS	DATA ELEMENTS Maximum Length Regular Length, email, picture	
Name: Test Host: Test Date: Device: Source	Morrisy Thu Apr 24 08:25:43 EDT Motorola_RAZR_V3 OS: WIN XP Interface: USB DATA OBJECTS	DATA ELEMENTS Maximum Length Regular Length, email, picture Special Character	
Name: Test Host: Test Date: Device: Source	Morrisy Thu Apr 24 08:25:43 EDT Motorola_RAZR_V3 OS: WIN XP Interface: USB DATA OBJECTS	DATA ELEMENTS Maximum Length Regular Length, email, picture Special Character Blank Name	
Name: Test Host: Test Date: Device: Source	Morrisy Thu Apr 24 08:25:43 EDT Motorola_RAZR_V3 OS: WIN XP Interface: USB DATA OBJECTS	DATA ELEMENTS Maximum Length Regular Length, email, picture Special Character Blank Name Regular Length, Deleted email - deleted picture	
Name: Test Host: Test Date: Device: Source	Morrisy Thu Apr 24 08:25:43 EDT Motorola_RAZR_V3 OS: WIN XP Interface: USB DATA OBJECTS	DATA ELEMENTS Maximum Length Regular Length, email, picture Special Character Blank Name Regular Length, Deleted email - deleted picture Deleted Entry	
Name: Test Host: Test Date: Device: Source	Morrisy Thu Apr 24 08:25:43 EDT Motorola_RAZR_V3 OS: WIN XP Interface: USB DATA OBJECTS Address Book Entries	DATA ELEMENTS Maximum Length Regular Length, email, picture Special Character Blank Name Regular Length, Deleted email - deleted picture	
Name: Test Host: Test Date: Device: Source	Morrisy Thu Apr 24 08:25:43 EDT Motorola_RAZR_V3 OS: WIN XP Interface: USB DATA OBJECTS	DATA ELEMENTS Maximum Length Regular Length, email, picture Special Character Blank Name Regular Length, Deleted email - deleted picture Deleted Entry Foreign Entry	
Name: Test Host: Test Date: Device: Source	Morrisy Thu Apr 24 08:25:43 EDT Motorola_RAZR_V3 OS: WIN XP Interface: USB DATA OBJECTS Address Book Entries	DATA ELEMENTS Maximum Length Regular Length, email, picture Special Character Blank Name Regular Length, Deleted email - deleted picture Deleted Entry Foreign Entry Maximum Length	
Name: Test Host: Test Date: Device: Source	Morrisy Thu Apr 24 08:25:43 EDT Motorola_RAZR_V3 OS: WIN XP Interface: USB DATA OBJECTS Address Book Entries	DATA ELEMENTS Maximum Length Regular Length, email, picture Special Character Blank Name Regular Length, Deleted email - deleted picture Deleted Entry Foreign Entry Maximum Length Regular Length	
Name: Test Host: Test Date: Device: Source	Morrisy Thu Apr 24 08:25:43 EDT Motorola_RAZR_V3 OS: WIN XP Interface: USB DATA OBJECTS Address Book Entries	DATA ELEMENTS Maximum Length Regular Length, email, picture Special Character Blank Name Regular Length, Deleted email - deleted picture Deleted Entry Foreign Entry Maximum Length	
Name: Test Host: Test Date: Device: Source	Morrisy Thu Apr 24 08:25:43 EDT Motorola_RAZR_V3 OS: WIN XP Interface: USB DATA OBJECTS Address Book Entries	DATA ELEMENTS Maximum Length Regular Length, email, picture Special Character Blank Name Regular Length, Deleted email - deleted picture Deleted Entry Foreign Entry Maximum Length Regular Length	
Name: Test Host: Test Date: Device: Source	Morrisy Thu Apr 24 08:25:43 EDT Motorola_RAZR_V3 OS: WIN XP Interface: USB DATA OBJECTS Address Book Entries	DATA ELEMENTS Maximum Length Regular Length, email, picture Special Character Blank Name Regular Length, Deleted email - deleted picture Deleted Entry Foreign Entry Maximum Length Regular Length Deleted Entry	
Name: Test Host: Test Date: Device: Source	Morrisy Thu Apr 24 08:25:43 EDT Motorola_RAZR_V3 OS: WIN XP Interface: USB DATA OBJECTS Address Book Entries PIM Data PIM Data	DATA ELEMENTS Maximum Length Regular Length, email, picture Special Character Blank Name Regular Length, Deleted email - deleted picture Deleted Entry Foreign Entry Maximum Length Regular Length Deleted Entry	
Name: Test Host: Test Date: Device: Source	Morrisy Thu Apr 24 08:25:43 EDT Motorola_RAZR_V3 OS: WIN XP Interface: USB DATA OBJECTS Address Book Entries PIM Data PIM Data	DATA ELEMENTS Maximum Length Regular Length, email, picture Special Character Blank Name Regular Length, Deleted email - deleted picture Deleted Entry Foreign Entry Maximum Length Regular Length Deleted Entry Special Character Missed	
Name: Test Host: Test Date: Device: Source	Morrisy Thu Apr 24 08:25:43 EDT Motorola_RAZR_V3 OS: WIN XP Interface: USB DATA OBJECTS Address Book Entries PIM Data PIM Data	DATA ELEMENTS Maximum Length Regular Length, email, picture Special Character Blank Name Regular Length, Deleted email - deleted picture Deleted Entry Foreign Entry Maximum Length Regular Length Deleted Entry Special Character Missed Missed - Deleted	
Name: Test Host: Test Date: Device: Source	Morrisy Thu Apr 24 08:25:43 EDT Motorola_RAZR_V3 OS: WIN XP Interface: USB DATA OBJECTS Address Book Entries PIM Data PIM Data	DATA ELEMENTS Maximum Length Regular Length, email, picture Special Character Blank Name Regular Length, Deleted email - deleted picture Deleted Entry Foreign Entry Maximum Length Regular Length Deleted Entry Special Character Missed Missed - Deleted Incoming	
Name: Test Host: Test Date: Device: Source	Morrisy Thu Apr 24 08:25:43 EDT Motorola_RAZR_V3 OS: WIN XP Interface: USB DATA OBJECTS Address Book Entries PIM Data PIM Data	DATA ELEMENTS Maximum Length Regular Length, email, picture Special Character Blank Name Regular Length, Deleted email - deleted picture Deleted Entry Foreign Entry Maximum Length Regular Length Deleted Entry Special Character Missed Missed - Deleted Incoming Incoming - Deleted	
Name: Test Host: Test Date: Device: Source	Morrisy Thu Apr 24 08:25:43 EDT Motorola_RAZR_V3 OS: WIN XP Interface: USB DATA OBJECTS Address Book Entries PIM Data PIM Data	DATA ELEMENTS Maximum Length Regular Length, email, picture Special Character Blank Name Regular Length, Deleted email - deleted picture Deleted Entry Foreign Entry Maximum Length Regular Length Deleted Entry Special Character Missed Missed - Deleted Incoming	

		4.14	
	Incoming SMS - Re		
	Incoming SMS - Un		
	Incoming SMS - De	eleted	
	Outgoing SMS		
	Outgoing SMS - De	eleted	
	Incoming EMS - Re		
	Incoming EMS - Un	ıread	
	Incoming Foreign	EMS - Read	
	Incoming EMS - De	eleted	
	Outgoing EMS		
	Outgoing EMS - De	eleted	
	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		
	Acquisition finished: Thu Apr 24 08:29:43 El Device connectivity was established via supp Readability and completeness of acquired dat All address book entries were successfully a	ported interface	
	ALL PIM related data was acquired	acquired	
esults:	_	acquired	Actual Result
esults:	ALL PIM related data was acquired	interfaces.	Result as expected
esults:	ALL PIM related data was acquired Assertion & Expected Result A_IM-01 Device connectivity via supported	interfaces.	Result as expected
esults:	ALL PIM related data was acquired Assertion & Expected Result A_IM-01 Device connectivity via supported A_IM-04 Readability and completeness of ac	interfaces. quired data via	Result
esults:	ALL PIM related data was acquired Assertion & Expected Result A_IM-01 Device connectivity via supported A_IM-04 Readability and completeness of ac supported reports.	interfaces. quired data via s.	Result as expected as expected
esults:	ALL PIM related data was acquired Assertion & Expected Result A_IM-01 Device connectivity via supported A_IM-04 Readability and completeness of ac supported reports. A_IM-07 Acquisition of address book entrie	interfaces. quired data via s.	Result as expected as expected as expected
esults:	ALL PIM related data was acquired Assertion & Expected Result A_IM-01 Device connectivity via supported A_IM-04 Readability and completeness of ac supported reports. A_IM-07 Acquisition of address book entrie A_IM-08 Acquisition of maximum length addr entries.	interfaces. quired data via s. ess book	Result as expected as expected as expected
esults:	ALL PIM related data was acquired Assertion & Expected Result A_IM-01 Device connectivity via supported A_IM-04 Readability and completeness of ac supported reports. A_IM-07 Acquisition of address book entrie A_IM-08 Acquisition of maximum length addr	interfaces. quired data via s. ess book	Result as expected as expected as expected as expected
esults:	ALL PIM related data was acquired Assertion & Expected Result A_IM-01 Device connectivity via supported A_IM-04 Readability and completeness of ac supported reports. A_IM-07 Acquisition of address book entrie A_IM-08 Acquisition of maximum length addr entries. A_IM-09 Acquisition of address book entrie	interfaces. quired data via s. ess book s containing	Result as expected as expected as expected as expected as expected
esults:	ALL PIM related data was acquired Assertion & Expected Result A_IM-01 Device connectivity via supported A_IM-04 Readability and completeness of ac supported reports. A_IM-07 Acquisition of address book entrie A_IM-08 Acquisition of maximum length addr entries. A_IM-09 Acquisition of address book entrie special characters. A_IM-10 Acquisition of address book entrie	interfaces. quired data via s. ess book s containing	Result as expected as expected as expected as expected
esults:	ALL PIM related data was acquired Assertion & Expected Result A_IM-01 Device connectivity via supported A_IM-04 Readability and completeness of ac supported reports. A_IM-07 Acquisition of address book entrie A_IM-08 Acquisition of maximum length addr entries. A_IM-09 Acquisition of address book entrie special characters. A_IM-10 Acquisition of address book entrie blank name entry. A_IM-11 Acquisition of embedded email addr	interfaces. quired data via s. ess book s containing s containing a	Result as expected as expected as expected as expected as expected
esults:	ALL PIM related data was acquired Assertion & Expected Result A_IM-01 Device connectivity via supported A_IM-04 Readability and completeness of ac supported reports. A_IM-07 Acquisition of address book entrie A_IM-08 Acquisition of maximum length addr entries. A_IM-09 Acquisition of address book entrie special characters. A_IM-10 Acquisition of address book entrie blank name entry. A_IM-11 Acquisition of embedded email addr address book entries. A_IM-12 Acquisition of embedded graphics w	interfaces. quired data via s. ess book s containing s containing a esses within	Result as expected as expected as expected as expected as expected as expected
esults:	ALL PIM related data was acquired Assertion & Expected Result A_IM-01 Device connectivity via supported A_IM-04 Readability and completeness of ac supported reports. A_IM-07 Acquisition of address book entrie A_IM-08 Acquisition of maximum length addr entries. A_IM-09 Acquisition of address book entrie special characters. A_IM-10 Acquisition of address book entrie blank name entry. A_IM-11 Acquisition of embedded email addr address book entries.	interfaces. quired data via s. ess book s containing s containing a esses within ithin address	Result as expected as expected as expected as expected as expected as expected

5.2.37 CFT-IM-07 (Motorola RAZR V3)

Test Case CF1	-IM-07 Guidance Software	Neutrino Version 1.4.14	
Case	CFT-IM-07 Acquire mobile	e device internal memory and review reported call	
Summary:	logs.		
Assertions:	A IM-01 If a cellular fo	prensic tool provides support for connectivity of	
	_	the tool shall successfully recognize the target	
		upported interfaces (e.g., cable, Bluetooth, IrDA).	
		prensic tool successfully completes acquisition of	
		the tool shall have the ability to present acquired	
		n-readable format via either a preview-pane or	
		I-readable format via erther a preview-pane or	
	generated report.		
		prensic tool successfully completes acquisition of	
		all call logs (incoming/outgoing) shall be presented	
	in a human-readable form	nat without modification.	
Tester	rpa		
Name:			
Test Host:	Morrisy		
Test Date:	Thu Apr 24 08:34:45 EDT	2008	
Device:	Motorola_RAZR_V3		
Source	OS: WIN XP		
Setup:	Interface: USB		
secup.			
	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	

Video		
Video		
Video - Deleted		
Acquisition started: Thu Apr 24 08:34:45 EDT 2008		
Device connectivity was established via supported interface Readability and completeness of acquired data was successful All Call Logs (incoming, outgoing) were acquired		
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	
	Created By Neutrino Version 1.4.14 Acquisition started: Thu Apr 24 08:34:45 EDT 2008 Acquisition finished: Thu Apr 24 08:45:46 EDT 2008 Device connectivity was established via supported interface Readability and completeness of acquired data was successful All Call Logs (incoming, outgoing) were acquired Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces. A_IM-04 Readability and completeness of acquired data via	

5.2.38 CFT-IM-08 (Motorola RAZR V3)

Test Case CFI	-IM-08 Guidance Software	Neutrino Version 1.4.14	
Case	CFT-IM-08 Acquire mobile	e device internal memory and review reported text	
Summary:	messages.		
Assertions:	A IM-01 If a cellular fo	rensic tool provides support for connectivity of	
	the target device then t	he tool shall successfully recognize the target	
		pported interfaces (e.g., cable, Bluetooth, IrDA).	
		prensic 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		
		-readable format via either a preview-pane or	
	generated report.		
		rensic tool successfully completes acquisition of	
		ll text messages (i.e., SMS, EMS) messages shall be	
	presented in a human-rea	dable format without modification.	
Tester	rpa		
Name:			
Test Host:	Morrisy		
Test Date:	Thu Apr 24 09:10:31 EDT	2008	
Device:	Motorola_RAZR_V3		
Source	OS: WIN XP		
Setup:	Interface: USB		
becup.	DATA OBJECTS	DATA ELEMENTS	
		DATA ELEMENTS	
	Address Book Entries		
		Maximum Length	
		Regular Length, email, picture	
		Special Character	
		Blank Name	
		Regular Length, Deleted email - deleted picture	
		Deleted Entry	
		Foreign Entry	
	PIM Data		
		Maximum Length	
		Regular Length	
		Deleted Entry	
		Special Character	
	Call Logs		
		Missed	
		Missed - Deleted	
		Incoming	
		Incoming - Deleted	
		Outgoing	
		Outgoing - Deleted	
	Text Messages		
		Incoming SMS - Read	
		Incoming SMS - Unread	
		Incoming SMS - Deleted	
		Outgoing SMS	
		Outgoing SMS - Deleted	
		Incoming EMS - Read	
		Incoming EMS - Unread	
		Incoming Foreign EMS - Read	
		Incoming EMS - Deleted	
		Outgoing EMS	
		Outgoing EMS - Deleted	
	MMS Messages		
		Incoming Audio	
		Incoming Image	
		Incoming Video	
		Outgoing Audio	
		Outgoing Image	
		Outgoing Video	
	Stand-alone data files		
		Audio	
		Audio - Deleted	
		Image	

	Image - Deleted		
	Video		
	Video - Deleted		
Log	Created By Neutrino Version 1.4.14		
Highlights:	Acquisition started: Thu Apr 24 09:10:31 EDT 2008		
	Acquisition finished: Thu Apr 24 09:30:43 EDT 2008		
	Device connectivity was established via supported interface		
	Readability and completeness of acquired data was successful		
	Partial Text messages were acquired		
	Faitial lent messages were acquired		
	Notes:		
	EMS messages (messages over 160 characters) are not acquired	or reported	
	either via the GUI or generated report.	or reported	
	cienci via ene doi di generatea report.		
Results:			
	Assertion & Expected Result	Actual	
		_	
		Result	
	A_IM-01 Device connectivity via supported interfaces.	as expected	
	A_IM-01 Device connectivity via supported interfaces. A_IM-04 Readability and completeness of acquired data via		
	A_IM-04 Readability and completeness of acquired data via	as expected	
	A_IM-04 Readability and completeness of acquired data via supported reports.	as expected	
	A_IM-04 Readability and completeness of acquired data via	as expected as expected	
	A_IM-04 Readability and completeness of acquired data via supported reports.	as expected as expected	

5.2.39 CFT-IM-10 (Motorola RAZR V3)

Test Case CFI	-IM-10 Guidance Software		
Case	CFT-IM-10 Acquire mobile device internal memory and review reported stand-		
Summary:	alone multi-media data (i.e., audio, graphics, video).		
Assertions:		rensic 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.	unaria tool auguarfullu somulator semulaition of	
		rensic tool successfully completes acquisition of	
		ll stand-alone audio files shall be playable via	
	modification.	cation or suggested third-party application without	
		remain tool avagentially completed equividition of	
		rensic tool successfully completes acquisition of 11 stand-alone image files shall be viewable via	
	modification.	cation or suggested third-party application without	
		remain tool avagentially completed equividition of	
		rensic tool successfully completes acquisition of 11 stand-alone video files shall be viewable via	
	-	cation or suggested third-party application without	
	modification.	cation of suggested third-party application Without	
	moullication.		
Tester	rpa		
Name:	-		
Test Host:	Morrisy		
Test Date:	Thu Apr 24 10:35:06 EDT	2008	
Device:	Motorola_RAZR_V3		
Source	OS: WIN XP		
Setup:	Interface: USB		
	DATA OBJECTS	DATA ELEMENTS	
	Address Book Entries		
		Maximum Length	
		Regular Length, email, picture	
		Special Character	
		Blank Name	
		Regular Length, Deleted email - deleted picture	
		Deleted Entry	
		Foreign Entry	
	PIM Data		
		Maximum Length	
		Regular Length	
		Deleted Entry	
		Special Character	
	Call Logs		
		Missed	
		Missed - Deleted	
		Incoming	
		Incoming - Deleted	
		Outgoing	
		Outgoing - Deleted	
	Text Messages		
		Incoming SMS - Read	
		Incoming SMS - Unread	
		Incoming SMS - Deleted	
		Outgoing SMS	
		Outgoing SMS - Deleted	
		Incoming EMS - Read	
		Incoming EMS - Unread	
		Incoming Foreign EMS - Read	
		Incoming EMS - Deleted	
		Outgoing EMS	
	18/2 1/2 -	Outgoing EMS - Deleted	
	MMS Messages		
	11	Incoming Audio	

Test Case CF	I-IM-10 Guidance Software Neutrino Version 1.4.14	
	Incoming Image	
	Incoming Video	
	Outgoing Audio	
	Outgoing Image	
	Outgoing Video	
	Stand-alone data files	
	Audio	
	Audio - Deleted	
	Image	
	Image - Deleted	
	Video	
	Video - Deleted	
Results:	Device connectivity was established via supported interface Readability and completeness of acquired data was successful Audio files were not acquired Image files were not acquired Video files were not acquired Notes: Neutrino is not designed to acquire stand-alone files (i.e., graphics, video) for the Motorola RAZR V3.	
Results.	Assertion & Expected Result	Actual
	Assertion & Expected Result	ACCUAL
	A TM 01 Device connectivity with supervised interferen	Result
	A_IM-01 Device connectivity via supported interfaces.	Result as expected
	A_IM-OI Device connectivity via supported interfaces. A_IM-O4 Readability and completeness of acquired data via supported reports.	
	A_IM-04 Readability and completeness of acquired data via	as expected
	A_IM-04 Readability and completeness of acquired data via supported reports.	as expected as expected
	A_IM-04 Readability and completeness of acquired data via supported reports.A_IM-20 Acquisition of stand-alone audio files.	as expected as expected as expected
	 A_IM-04 Readability and completeness of acquired data via supported reports. A_IM-20 Acquisition of stand-alone audio files. A_IM-21 Acquisition of stand-alone graphic files. 	as expected as expected as expected as expected

5.2.40 CFT-IMO-01 (Motorola RAZR V3)

Case	TT-IMO-01 Guidance Software Neutrino Version 1.4.14 CFT-IMO-01 Acquire mobile device internal memory and review reported data		
Summary:	via supported generated report formats.		
Assertions:			
	the target device then t	he tool shall present the acquired data without	
		ed generated report formats.	
		5	
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Thu Apr 24 10:46:15 EDT	2008	
Device:	Motorola_RAZR_V3		
Source	OS: WIN XP		
Setup:	Interface: USB		
	DATA OBJECTS	DATA ELEMENTS	
	Address Book Entries		
		Maximum Length	
		Regular Length, email, picture	
		Special Character	
		Blank Name	
		Regular Length, Deleted email - deleted picture	
		Deleted Entry	
		Foreign Entry	
	PIM Data		
		Maximum Length	
		Regular Length	
		Deleted Entry	
		Special Character	
	Call Logs		
		Missed	
		Missed - Deleted	
		Incoming	
		Incoming - Deleted	
		Outgoing	
		Outgoing - Deleted	
	Text Messages		
		Incoming SMS - Read	
		Incoming SMS - Unread	
		Incoming SMS - Deleted	
		Outgoing SMS	
		Outgoing SMS - Deleted	
		Incoming EMS - Read	
		Incoming EMS - Unread	
		Incoming Foreign EMS - Read	
		Incoming EMS - Deleted	
		Outgoing EMS	
		Outgoing EMS - Deleted	
	MMS Messages		
		Incoming Audio	
		Incoming Image	
		Incoming Video	
		Outgoing Audio	
		Outgoing Image	
		Outgoing Video	
	Stand-alone data files		
		Audio	
		Audio - Deleted	
		Image	
		Image - Deleted	
		Video	
		Video - Deleted	
			
	1		

Test Case CF1	-IMO-01 Guidance Software Neutrino Version 1.4.14	
Log Highlights:	Created By Neutrino Version 1.4.14 Acquisition started: Thu Apr 24 10:46:15 EDT 2008 Acquisition finished: Thu Apr 24 10:49:02 EDT 2008 Complete representation of known data via generated reports was suc	
Results:	Assertion & Expected Result	Actual Result
	A_IMO-38 Comparison of known device data elements via generated reports.	as expected
Analysis:	Expected results achieved	

5.2.41 CFT-IMO-02 (Motorola RAZR V3)

Case	T-IMO-02 Guidance Software Neutrino Version 1.4.14 CFT-IMO-02 Acquire mobile device internal memory and review reported data		
Summary:	via the preview-pane.		
Assertions:			
		ne tool shall present the acquired data without	
	modification in a preview		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Thu Apr 24 10:50:13 EDT 2	2008	
Device:	Motorola_RAZR_V3		
Source	OS: WIN XP		
Setup:	Interface: USB		
beeap	DATA OBJECTS	DATA ELEMENTS	
	Address Book Entries		
	Hadrebb Book Enerreb	Maximum Length	
		Regular Length, email, picture	
		Special Character	
		Blank Name	
		Regular Length, Deleted email - deleted picture	
		Deleted Entry	
	DIM Data	Foreign Entry	
	PIM Data	Merrimum Tenerb	
		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	
	NMC Magnetic	ourdorud FW2 - Detered	
	MMS Messages	The new day of The day	
		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	
		2010000	

Test Case CF	I-IMO-02 Guidance Software Neutrino Version 1.4.14	
Highlights:	Acquisition started: Thu Apr 24 10:50:13 EDT 2008 Acquisition finished: Thu Apr 24 10:53:51 EDT 2008	
	Complete representation of known data via preview-pane was	s successful
Results:	Assertion & Expected Result	Actual Result
Results:	Assertion & Expected Result A_IMO-39 Comparison of known device data elements via preview-pane.	

5.2.42 CFT-IMO-03 (Motorola RAZR V3)

Test Case CFT	-IMO-03 Guidance Software	Neutrino Version 1.4.14
Case	CFT-IMO-03 Acquire mobile device internal memory and compare reported data	
Summary:	via the preview-pane and supported generated reports.	
Assertions:		prensic tool successfully completes acquisition of
		ne tool shall present the acquired data without
	-	ed generated report formats.
		prensic tool successfully completes acquisition of
		he tool shall present the acquired data without
	modification in a preview	
		prensic tool provides a preview-pane view and a
		acquired data then the reports shall maintain
	consistency of all report	ed data elements.
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Thu Apr 24 11:58:06 EDT 2	2008
Device:	Motorola_RAZR_V3	
Source	OS: WIN XP	
Setup:	Interface: USB	
secup:	DATA OBJECTS	
		DATA ELEMENTS
	Address Book Entries	<u> </u>
		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 Laws	Special Character
	Call Logs	
		Missed
		Missed - Deleted
		Incoming
		Incoming - Deleted
		Outgoing
		Outgoing - Deleted
	The set of the second second	Outgoing - Dereted
	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	Cardonna Araco
	Stand-alone data files	
		Audio
		Audio - Deleted
		Audio - Deleted Image

	Video - Deleted	
Log Highlights:	Created By Neutrino Version 1.4.14 Acquisition started: Thu Apr 24 11:58:06 EDT 2008 Acquisition finished: Thu Apr 24 12:15:22 EDT 2008 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	
Results:	Assertion & Expected Result	Actual Result
	A_IMO-38 Comparison of known device data elements via	as expected
	generated reports.	ub enpected
		as expected
	generated reports. A_IMO-39 Comparison of known device data elements via	-

5.2.43 CFT-IMO-04 (Motorola RAZR V3)

Case	T-IMO-04 Guidance Software Neutrino Version 1.4.14 CFT-IMO-04 After a successful mobile device internal memory acquisition,		
Summary:	alter the case file via third party means and attempt to re-open the case.		
Assertions:			
	—	means then the tool shall provide protection	
	mechanisms disallowing or reporting data modification.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Thu Apr 24 12:52:40 EDT	2008	
Device:	Motorola_RAZR_V3		
Source	OS: WIN XP		
Setup:	Interface: USB		
-	DATA OBJECTS	DATA ELEMENTS	
	Address Book Entries		
		Maximum Length	
		Regular Length, email, picture	
		Special Character	
		Blank Name	
		Regular Length, Deleted email - deleted picture	
		Deleted Entry	
		Foreign Entry	
	PIM Data		
		Maximum Length	
		Regular Length	
		Deleted Entry	
		Special Character	
	Call Logs		
		Missed	
		Missed - Deleted	
		Incoming	
		Incoming - Deleted	
		Outgoing	
		Outgoing - Deleted	
	Text Messages		
	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 Foreign EMS - Read Incoming EMS - Deleted	
		Outgoing EMS	
	MMC Moggogo	Outgoing EMS - Deleted	
	MMS Messages	Incoming Audio	
		Incoming Audio	
		Incoming Image	
		Incoming Video	
		Outgoing Audio	
		Outgoing Image	
		Outgoing Video	
	Stand-alone data files		
		Audio	
		Audio - Deleted	
		Image	
		Image - Deleted	
		Video	
		Video - Deleted	
Log	Created By Neutrino Vers	·	

Test Case CFT	-IMO-04 Guidance Software Neutrino Version 1.4.14		
Highlights:	Acquisition started: Thu Apr 24 12:52:40 EDT 2008		
	Acquisition finished: Thu Apr 24 12:59:44 EDT 2008		
	Notification of modified case data was successful		
	Notes: EnCase reports the following error when attempting to Error in <filename>: Invalid data checksum</filename>	modify a case file:	
Results:			
	Assertion & Expected Result	Actual Result	
	A_IMO-41 Notification of modified device case data.	as expected	
Analysis:	Expected results achieved		

5.2.44 CFT-IMO-10 (Motorola RAZR V3)

Test Case CFT	-IMO-10 Guidance Software		
Case	CFT-IMO-10 Perform a stand-alone mobile device internal memory acquisition		
Summary:	and review the status flags for text messages present on the SIM.		
Assertions:	A IMO-38 If a cellular fo	prensic tool successfully completes acquisition of	
		ne tool shall present the acquired data without	
	+	ed generated report formats.	
		prensic tool successfully completes acquisition of	
		ne tool shall present the acquired data without	
	modification in a preview		
		forensic tool supports stand-alone acquisition of	
		SIM present, then the contents of the SIM shall	
		iternal memory acquisition.	
	not be mouthed during in	iternar memory acquisition.	
Tester Name:			
	rpa		
Test Host:	Morrisy		
Test Date:	Thu Apr 24 13:39:19 EDT 2	2008	
Device:	Motorola_RAZR_V3		
Source	OS: WIN XP		
Setup:	Interface: USB		
	DATA OBJECTS	DATA ELEMENTS	
	Address Book Entries		
		Maximum Length	
		Regular Length, email, picture	
		Special Character	
		Blank Name	
		Regular Length, Deleted email - deleted picture	
		Deleted Entry	
		Foreign Entry	
	PIM Data		
		Maximum Length	
		Regular Length	
		Deleted Entry	
		Special Character	
	Call Logg	Special character	
	Call Logs	ar! 1	
		Missed	
		Missed - Deleted	
		Incoming	
		Incoming - Deleted	
		Outgoing	
		Outgoing - Deleted	
	Text Messages		
	Texe hebbageb	Incoming SMS - Read	
		Incoming SMS - Unread	
		Incoming SMS - Deleted	
	<u> </u>	Outgoing SMS	
		Outgoing SMS - Deleted	
		Incoming EMS - Read	
		Incoming EMS - Unread	
		Incoming Foreign EMS - Read	
		Incoming EMS - Deleted	
		Outgoing EMS - Deleted	
		Outgoing EMS - Deleted	
	MMS Messages		
		Incoming Audio	
		Incoming Image	
		Incoming Video	
		Outgoing Audio	
		Outgoing Image	
		Outgoing Video	
	Stand-alone data files		
		Audio	
		Audio - Deleted	
		Audio - Deleted Image	

	Video - Deleted	
Log Highlights:	Created By Neutrino Version 1.4.14 Acquisition started: Thu Apr 24 13:39:19 EDT 2008 Acquisition finished: Thu Apr 24 13:40:54 EDT 2008 Complete representation of known data via generated reports was not successful Complete representation of known data via preview-pane was not successful Stand-alone acquisition without disrupting SIM data was not successful Mhen selecting "Acquire Logical Data" only, text messages present on the SIM whose status is Unread is modified to "Read" after the internal memory device logical Acquisition.	
Results:	"Acquire SIM Image" is NOT selected.	
Rebuild.	Assertion & Expected Result	Actual Result
	A_IMO-38 Comparison of known device data elements via generated reports.	Partial
	A_IMO-39 Comparison of known device data elements via preview-pane.	Partial
	A_IMO-55 Stand-along acquisition without disrupting SIM data.	Not as expected
Analysis:	Expected results not achieved	

5.2.45 CFT-IMO-11 (Motorola RAZR V3)

Test Case CFT-	I-IMO-11 Guidance Software Neutrino Version 1.4.14		
Case		e device internal memory and review hash values for	
Summary:	vendor supported data obj	jects.	
Assertions:	A_IMO-38 If a cellular forensic tool successfully completes acquisition of		
		ne tool shall present the acquired data without	
	-		
		ed generated report formats.	
	—	prensic tool successfully completes acquisition of	
		ne tool shall present the acquired data without	
	modification in a preview	v-pane view.	
	A IMO-56 If the cellular	forensic tool supports hashing for individual data	
		all present the user with a hash value for each	
	supported data object.	All probono one aber wion a naph varae for each	
	Supported data object.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Thu Apr 24 13:44:40 EDT 2	2008	
Device:	Motorola_RAZR_V3		
Source	OS: WIN XP		
Setup:	Interface: USB		
	DATA OBJECTS	DATA ELEMENTS	
	Address Book Entries		
		Maximum Length	
		Regular Length, email, picture	
		Special Character	
		Blank Name	
		Regular Length, Deleted email - deleted picture	
		Deleted Entry	
		<u>.</u>	
		Foreign Entry	
	PIM Data		
		Maximum Length	
		Regular Length	
		Deleted Entry	
		Special Character	
	Call Logs		
		Missed	
		Missed - Deleted	
		Incoming	
		Incoming - Deleted	
		Outgoing	
		Outgoing - Deleted	
	Toxt Moggagog	outgoing beretta	
	Text Messages	Terrenting OVO Deed	
		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	
		Audio - Deleted	
		Image	
		Image - Deleted	
1		Video	

	Video - Deleted	
	Video Deleted	
Log Highlights:	Created By Neutrino Version 1.4.14 Acquisition started: Thu Apr 24 13:44:40 EDT 2008 Acquisition finished: Thu Apr 24 13:46:14 EDT 2008 Complete representation of known data via generated reports was succesful Device hash reporting for individual acquired data elements was succesful Devices hash reporting for individual acquired data elements was succesful Contacts, Text Messages (SMS, EMS) and Call Logs hash values are reporting the GUI.	
Results:	Assertion & Expected Result	Actual
Results:	Assertion & Expected Result A_IMO-38 Comparison of known device data elements via generated reports.	Actual Result as expected
Results:	A_IMO-38 Comparison of known device data elements via	Result
Results:	A_IMO-38 Comparison of known device data elements via generated reports. A_IMO-39 Comparison of known device data elements via	Result as expected

5.2.46 CFT-SIM-01 (AT&T SIM)

Test Case CFT	-SIM-01 Guidance Software Neutrino Ve	ersion 1.4.14	
Case	CFT-SIM-01 Acquire SIM over supporte		., PC/SC reader,
Summary:	proprietary reader).		
Assertions:	A_SIM-23 If a cellular forensic tool	l provides support	for connectivity of
	the target SIM then the tool shall s	successfully recog	nize the target SIM
	via all vendor supported interfaces	(e.g., PC/SC read	er, proprietary
	reader).		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Wed Apr 23 08:07:29 EDT 2008		
Device:	ATT_SIM		
Source	OS: WIN XP		
Setup:	Interface: USB		
	DATA OBJECTS	DATA ELEMENTS	
	Abbreviated Dialing Numbers (ADN)		
		Maximum Length	
		Special Characte	er
		Blank Name	
		Regular Length -	Deleted Number
		Foreign Entry	
	Call Logs		
		Last Numbers Dia	lled (LND)
	Text Messages		
		Incoming SMS - R	lead
		Incoming SMS - F	'oreign
		Incoming SMS - D	eleted
		Incoming SMS - U	Inread
		Incoming Foreign	EMS - Read
		Incoming EMS - D	eleted
Log	Created By Neutrino Version 1.4.14		
Highlights:	Acquisition started: Wed Apr 23 08:0		
	Acquisition finished: Wed Apr 23 08:	21:51 EDT 2008	
	Media connectivity was established v	via supported inte	rface
Results:			
results.	Assertion & Expected Result		Actual Result
	A_SIM-23 SIM connectivity via suppo	orted interfaces.	as expected

5.2.47 CFT-SIM-02 (AT&T SIM)

Test Case CFT	-SIM-02 Guidance Software Neutrino Ve	rsion 1.4.14	
Case	CFT-SIM-02 Attempt acquisition of a	non-supported SIM.	
Summary:			
Assertions:		l attempts to connect to a non-support ility to identify that the SIM is not	ed
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Wed Apr 23 08:31:19 EDT 2008		
Device:	ATT_SIM		
Source	OS: WIN XP		
Setup:	Interface: USB		
	DATA OBJECTS	DATA ELEMENTS	
	Abbreviated Dialing Numbers (ADN)		
		Maximum Length	
		Special Character	
		Blank Name	
		Regular Length - Deleted Number	
		Foreign Entry	
	Call Logs	*	
		Last Numbers Dialed (LND)	
	Text Messages		
		Incoming SMS - Read	
		Incoming SMS - Foreign	
		Incoming SMS - Deleted	
		Incoming SMS - Unread	
		Incoming Foreign EMS - Read	
		Incoming EMS - Deleted	
Log Highlights:	Created By Neutrino Version 1.4.14 Acquisition started: Wed Apr 23 08: Acquisition finished: Wed Apr 23 08		
	Identification of non-supported med.	ia was successful	
Results:			
	Assertion & Expected Result	Actual Result	
	A_SIM-24 Identification of non-sup	ported SIMs. as expected	
Analysis:	Expected results achieved		

5.2.48 CFT-SIM-03 (AT&T SIM)

Test Case CFT	-SIM-03 Guidance Software Neutrino Ver	rsion 1.4.14	
Case	CFT-SIM-03 Begin SIM acquisition and		ivity by interface
Summary:	disengagement.		
Assertions:	A_SIM-23 If a cellular forensic tool	provides support	for connectivity of
	the target SIM then the tool shall s		
	via all vendor supported interfaces		
	reader).		
	A_SIM-25 If a cellular forensic tool	encounters diseng	agement between the
	SIM reader and application then the a	application shall	notify the user that
	connectivity has been disrupted.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Wed Apr 23 08:33:51 EDT 2008		
Device:	ATT SIM		
Source	OS: WIN XP		
Setup:	Interface: USB		
1	DATA OBJECTS	DATA ELEMENTS	
	Abbreviated Dialing Numbers (ADN)		
		Maximum Length	
		Special Character	<u></u>
		Blank Name	
		Regular Length -	Deleted Number
		Foreign Entry	
	Call Logs	<u> </u>	
		Last Numbers Dia	led (LND)
	Text Messages		i
		Incoming SMS - Re	ead
		Incoming SMS - Fo	
		Incoming SMS - De	
		Incoming SMS - Ur	nread
		Incoming Foreign	EMS - Read
		Incoming EMS - De	eleted
T	Current al De Marteniae Martine 1 A 14		
Log Highlights:	Created By Neutrino Version 1.4.14 Acquisition started: Wed Apr 23 08:3	2.51 ₽₽₽ 2000	
nightights.	Acquisition started: Wed Apr 23 08:3 Acquisition finished: Wed Apr 23 08:		
	reduratorion trutanen. Men Whi 22 00.	21.00 IUI 2000	
	Media connectivity was established v	ia supported inter	face
	Media acquisition disruption notifica		
Results:			
	Assertion & Expected Result		Actual Result
	A_SIM-23 SIM connectivity via suppo	rted interfaces.	as expected
	A_SIM-25 Notification of SIM acquis		as expected
		1	<u> </u>
Analysis:	Expected results achieved		
питуртр.	ENPECCEU TEBUTEB ACHIEVEU		

5.2.49 CFT-SIM-04 (AT&T SIM)

Test Case CFT	-SIM-04 Guidance Software Neutrino Ver	sion 1.4.14	
Case Summary:	CFT-SIM-04 Attempt acquisition on a password-protected SIM.		
Assertions:	A_SIM-23 If a cellular forensic tool the target SIM then the tool shall su via all vendor supported interfaces (reader). A_SIM-26 If the SIM is password-prote shall provide the examiner with the c acquisition.	accessfully recognize the e.g., PC/SC reader, protected then the cellular	ne target SIM oprietary forensic tool
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Wed Apr 23 08:37:51 EDT 2008		
Device:	ATT_SIM		
Source	OS: WIN XP		
Setup:	Interface: USB		
	DATA OBJECTS	DATA ELEMENTS	
	Abbreviated Dialing Numbers (ADN)		
		Maximum Length	
		Special Character	
		Blank Name	
		Regular Length - Delet	ed Number
		Foreign Entry	
	Call Logs		
		Last Numbers Dialed (L	ND)
	Text Messages		
		Incoming SMS - Read	
		Incoming SMS - Foreign	
		Incoming SMS - Deleted	
		Incoming SMS - Unread	D 1
		Incoming Foreign EMS -	
		Incoming EMS - Deleted	
Log Highlights:	Created By Neutrino Version 1.4.14 Acquisition started: Wed Apr 23 08:37	7:51 EDT 2008	
5 5	Acquisition finished: Wed Apr 23 08:5		
	Media connectivity was established vi Ability to enter PIN on protected med		was successful
Results:	Assertion & Expected Result		Actual Result
	A_SIM-23 SIM connectivity via suppor	rted interfaces.	as expected
	A_SIM-26 Password entry before acqui		as expected
Analysis:	Expected results achieved		
matysts.	Expected resurcs achieved		

5.2.50 CFT-SIM-05 (AT&T SIM)

Test Case CFT	-SIM-05 Guidance Software Neutrino Ve	ersion 1.4.14	
Case	CFT-SIM-05 Acquire SIM internal memory and review reported data via the		
Summary:	preview-pane or generated reports for readability.		
Assertions:	A_SIM-23 If a cellular forensic tool	l provides support for cor	nectivity of
	the target SIM then the tool shall s	successfully recognize the	e target SIM
	via all vendor supported interfaces	(e.g., PC/SC reader, prop	prietary
	reader).		
	A_SIM-27 If a cellular forensic tool		-
	the target SIM then the tool shall h		-
	data in a human-readable format via	either preview-pane or ge	enerated
	report.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Wed Apr 23 08:51:25 EDT 2008		
Device:	ATT_SIM		
Source	OS: WIN XP		
Setup:	Interface: USB		
	DATA OBJECTS	DATA ELEMENTS	
	Abbreviated Dialing Numbers (ADN)		
		Maximum Length	
		Special Character	
		Blank Name	
		Regular Length - Delete	d Number
		Foreign Entry	
	Call Logs		
		Last Numbers Dialed (LN	D)
	Text Messages		
		Incoming SMS - Read	
		Incoming SMS - Foreign	
		Incoming SMS - Deleted	
		Incoming SMS - Unread	
		Incoming Foreign EMS - 1	Read
		Incoming EMS - Deleted	
Loq	Created By Neutrino Version 1.4.14		
Highlights:	Acquisition started: Wed Apr 23 08:	51:25 EDT 2008	
5 5	Acquisition finished: Wed Apr 23 09		
	- *		
	Media connectivity was established w	via supported interface	
	Readability and completeness of acqu	uired data was successful	
Results:	Aggertion & Expected Decult		Actual
	Assertion & Expected Result		
	A CIM 22 CIM compositivity min sure	orted interferre	Result
	A_SIM-23 SIM connectivity via supp		as expected
	A_SIM-27 Readability and completen supported reports.	ess of acquired data VIA	as expected
	supported reports.		<u> </u>
Analysis:	Expected results achieved		

5.2.51 CFT-SIM-06 (AT&T SIM)

Test Case CFT	-SIM-06 Guidance Software Neutrino Ve	rsion 1.4.14	
Case	CFT-SIM-06 Acquire SIM internal memory and review reported subscriber and		
Summary:	equipment related information (i.e., SPN, ICCID, IMSI, MSISDN).		
Assertions:	A_SIM-23 If a cellular forensic tool		-
	the target SIM then the tool shall successfully recognize the target SIM		
	via all vendor supported interfaces (e.g., PC/SC reader, proprietary		
	reader).		
	A_SIM-27 If a cellular forensic tool		-
	the target SIM then the tool shall h		-
	data in a human-readable format via	either preview-pane or ge	enerated
	report.		
	A_SIM-29 If a cellular forensic tool		-
	the target SIM then the ICCID shall without modification.	be presented in a numan-r	eauable lormat
	A_SIM-30 If a cellular forensic tool	successfully completes a	aquisition of
	the target SIM then the IMSI shall k		
	without modification.	presented in a naman re	adabie ioimae
	without modification.		
Cester Name:	rpa		
Cest Host:	Morrisy		
Cest Date:	Wed Apr 23 09:54:56 EDT 2008		
Device:	ATT_SIM		
Source	OS: WIN XP		
Setup:	Interface: USB		
	DATA OBJECTS	DATA ELEMENTS	
	Abbreviated Dialing Numbers (ADN)	· · ·	
		Maximum Length	
		Special Character	
		Blank Name	
		Regular Length - Delete	d Number
		Foreign Entry	
	Call Logs		
		Last Numbers Dialed (LN	D)
	Text Messages		
		Incoming SMS - Read	
		Incoming SMS - Foreign	
		Incoming SMS - Deleted	
		Incoming SMS - Unread	
		Incoming Foreign EMS - 1	Read
		Incoming EMS - Deleted	
·	Created By Neutrino Version 1.4.14		
Log Highlights:	Acquisition started: Wed Apr 23 09:5	4.56 EDT 2008	
iigiiiigiics.	Acquisition finished: Wed Apr 23 10:		
	Acquisición finisica, aca Apr 25 10.	10.39 EDI 2000	
	Media connectivity was established w	via supported interface	
	Readability and completeness of acqu		
	ICCID was acquired		
	IMSI was acquired		
	-		
Results:			
	Assertion & Expected Result		Actual
			Result
	A_SIM-23 SIM connectivity via suppo	orted interfaces.	as expected
	A_SIM-27 Readability and completene	ess of acquired data via	as expected
	supported reports.		
	A_SIM-29 Acquisition of ICCID.		as expected
	A_SIM-30 Acquisition of IMSI.		as expected
			·
nalysis:	Expected results achieved		

5.2.52 CFT-SIM-07 (AT&T SIM)

	-SIM-07 Guidance Software Neutrino Ve CFT-SIM-07 Acquire SIM internal memo		browistod
Case	_	bry and review reported Ar	DUIEVIALEU
Summary:	Dialing Numbers (ADN). A SIM-23 If a cellular forensic tool provides support for connectivity of		
Assertions:			
	the target SIM then the tool shall successfully recognize the target SIM		
	via all vendor supported interfaces	(e.g., PC/SC reader, prop	prietary
	reader).		
	A_SIM-27 If a cellular forensic tool	successfully completes a	acquisition of
	the target SIM then the tool shall h	nave the ability to preser	nt acquired
	data in a human-readable format via	either preview-pane or ge	enerated
	report.		
	A_SIM-32 If a cellular forensic tool	successfully completes a	acquisition of
	the target SIM then all Abbreviated	Dialing Numbers (ADN) sha	all be
	presented in a human-readable format	without modification.	
	-		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Wed Apr 23 10:26:01 EDT 2008		
Device:	ATT_SIM		
Source	OS: WIN XP		
Setup:	Interface: USB		
	DATA OBJECTS	DATA ELEMENTS	
	Abbreviated Dialing Numbers (ADN)		
		Maximum Length	
		Special Character	
		Blank Name	
		Regular Length - Delete	d Number
			a Namber
		Foreign Entry	
	Call Logs		
		Last Numbers Dialed (LN	D)
	Text Messages		
		Incoming SMS - Read	
		Incoming SMS - Foreign	
		Incoming SMS - Deleted	
		Incoming SMS - Unread	
		Incoming Foreign EMS - 1	Read
		Incoming EMS - Deleted	liouu
		incoming hab beieced	
Log	Created By Neutrino Version 1.4.14		
Highlights:	Acquisition started: Wed Apr 23 10:2	06.01 EDT 2009	
HIGHLIGHLS.			
	Acquisition finished: Wed Apr 23 10:	20.22 FDI 2008	
	Madia appropriates or a second 1 1 1	to announced to be a feature	
	Media connectivity was established w		
	Readability and completeness of acqu	ured data was successful	
	Regular length ADNs were acquired		
	Maximum Length ADNs were not acquire		
	Special Character ADNs were not acqu	lired	
	Blank Name ADNs were acquired		
	Notes:		
		were not acquired or repo	orted
	Maximum length ADNs (16 characters) were not acquired or reported in either the GUI or generated report.		
	Special character names (i.e., '@') were not displayed.		
	Spectar character names (1.e., @)	"ere not arsprayed.	
Dogulta:			
Results:			T - · · -
	Assertion & Expected Result		Actual
			Result
	A_SIM-23 SIM connectivity via suppo	orted interfaces.	as expected
	A_SIM-27 Readability and completene	ess of acquired data via	as expected
	supported reports.		
	A_SIM-32 Acquisition of ADNs.		Partial

Test Case CFT	-SIM-07 Guidance Software Neutrino Version 1.4.14
Analysis:	Partial results achieved

5.2.53 CFT-SIM-08 (AT&T SIM)

Test Case CFT	-SIM-08 Guidance Software Neutrino Ver	rsion 1.4.14	
Case	CFT-SIM-08 Acquire SIM internal memo:		st Numbers
Summary:	Dialed (LND).		
Assertions:	A_SIM-23 If a cellular forensic tool the target SIM then the tool shall so via all vendor supported interfaces reader). A_SIM-27 If a cellular forensic tool	uccessfully recognize the (e.g., PC/SC reader, prop successfully completes a	target SIM rietary cquisition of
	the target SIM then the tool shall have data in a human-readable format via a report. A_SIM-33 If a cellular forensic tool the target SIM then all Last Numbers human-readable format without modified	either preview-pane or ge successfully completes a Dialed (LND) shall be pr	nerated cquisition of
The sets of a Name of			
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Wed Apr 23 10:37:58 EDT 2008		
Device:	ATT_SIM		
Source	OS: WIN XP		
Setup:	Interface: USB		
	DATA OBJECTS	DATA ELEMENTS	
	Abbreviated Dialing Numbers (ADN)		
		Maximum Length	
		Special Character	
		Blank Name	
		Regular Length - Deleted	d Number
		Foreign Entry	
	Call Logs		
	5	Last Numbers Dialed (LNI)
	Text Messages		- /
	Tene hebbageb	Incoming SMS - Read	
		Incoming SMS - Foreign	
		Incoming SMS - Deleted	
		Incoming SMS - Unread	
		Incoming Foreign EMS - H	Read
		Incoming EMS - Deleted	
Log Highlights:	Created By Neutrino Version 1.4.14 Acquisition started: Wed Apr 23 10:3 Acquisition finished: Wed Apr 23 10:3		
	Media connectivity was established v. Readability and completeness of acqu. LNDs were acquired		
Results:	· · · ·		
	Assertion & Expected Result		Actual
			Result
	A_SIM-23 SIM connectivity via suppo		as expected
	A_SIM-27 Readability and completene	ss of acquired data via	as expected
	supported reports.		
	A_SIM-33 Acquisition of LNDs.		as expected
Analysis:	Expected results achieved		
	THE SECON TOPATOR ACTITOR OF		

5.2.54 CFT-SIM-09 (AT&T SIM)

Test Case CFT	-SIM-09 Guidance Software Neutrino Versi		
Case	CFT-SIM-09 Acquire SIM internal memory	and review reported tex	kt messages
Summary:	(i.e., SMS, EMS).		
Assertions:	A_SIM-23 If a cellular forensic tool pr	rovides support for conr	nectivity of
	the target SIM then the tool shall succ		
	via all vendor supported interfaces (e.g., PC/SC reader, proprietary		
	reader).		
	A_SIM-27 If a cellular forensic tool successfully completes acquisition of		
	the target SIM then the tool shall have		
	data in a human-readable format via eit	cher preview-pane or gen	nerated
	report.		
	A_SIM-34 If a cellular forensic tool su		-
	the target SIM then all SMS text messag	ges shall be presented i	in a human-
	readable format without modification. A_SIM-35 If a cellular forensic tool su		
	the target SIM then all EMS text messag		
	readable format without modification.	Jes sharr be presenced	III a IIulliaII-
	readable format without modification.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Wed Apr 23 10:47:28 EDT 2008		
Device:	ATT_SIM		
Source	OS: WIN XP		
Setup:	Interface: USB		
	DATA OBJECTS	DATA ELEMENTS	
	Abbreviated Dialing Numbers (ADN)		
		aximum Length	
		pecial Character	
		lank Name	
		eqular Length - Deleted	Number
		oreign Entry	MulliDer
	Call Logs	orergin miery	
		ast Numbers Dialed (LND)
	Text Messages		/
		ncoming SMS - Read	
		ncoming SMS - Foreign	
		ncoming SMS - Deleted	
		ncoming SMS - Unread	
		ncoming Foreign EMS - R	ead
		ncoming EMS - Deleted	daa
Log	Created By Neutrino Version 1.4.14		
Highlights:	Acquisition started: Wed Apr 23 10:47:2	28 EDT 2008	
	Acquisition finished: Wed Apr 23 10:57:	:15 EDT 2008	
	Media connectivity was established via		
	Readability and completeness of acquire		
	ALL text messages (SMS, EMS) were acqui	Lred	
	Nahar		
	Notes:	r diaplayed for deleted	toxt
	Status flags for text messages are only	y displayed for deleted	text
	Status flags for text messages are only messages.		
	Status flags for text messages are only messages. Read and unread status for text message		
	Status flags for text messages are only messages.		
	Status flags for text messages are only messages. Read and unread status for text message		
Results:	Status flags for text messages are only messages. Read and unread status for text message		
Results:	Status flags for text messages are only messages. Read and unread status for text message		
Results:	Status flags for text messages are only messages. Read and unread status for text message GUI or generated report.		thin the
Results:	Status flags for text messages are only messages. Read and unread status for text message GUI or generated report. Assertion & Expected Result	es are not presented wit	thin the Actual Result
Results:	Status flags for text messages are only messages. Read and unread status for text message GUI or generated report. Assertion & Expected Result A_SIM-23 SIM connectivity via supporte	es are not presented wit	Actual Result as expected
Results:	Status flags for text messages are only messages. Read and unread status for text message GUI or generated report. Assertion & Expected Result	es are not presented wit	thin the Actual Result
Results:	Status flags for text messages are only messages. Read and unread status for text message GUI or generated report. Assertion & Expected Result A_SIM-23 SIM connectivity via supporte A_SIM-27 Readability and completeness	es are not presented wit	Actual Result as expected

Test Case CFI	-SIM-09 Guidance Software Neutrino Version 1.4.14
Analysis:	Expected results achieved

5.2.55 CFT-SIMO-01 (AT&T SIM)

Test Case CFT	-SIMO-01 Guidance Software Neutrino N	Version 1.4.14		
Case	CFT-SIMO-01 Acquire SIM internal men	mory and review acquired	data via	
Summary:	suported generated report formats.			
Assertions:				
	the target media (i.e., SIM) then the	he tool shall present the	acquired data	
	in a human-readable format without m	modification via supporte	d generated	
	report formats.			
Tester	rpa			
Name:				
Test Host:	Morrisy			
Test Date:	Wed Apr 23 11:19:04 EDT 2008			
Device:	ATT SIM			
Source	OS: WIN XP			
Setup:	Interface: USB			
	DATA OBJECTS	DATA ELEMENTS		
	Abbreviated Dialing Numbers (ADN)			
	ADDICVIACED DIALING NUMBERS (ADN)	Maximum Length		
		Special Character		
		Blank Name		
			a al Muumla a sa	
		Regular Length - Delete	ed Number	
		Foreign Entry		
	Call Logs			
		Last Numbers Dialed (L1	ND)	
	Text Messages			
		Incoming SMS - Read		
		Incoming SMS - Foreign		
		Incoming SMS - Deleted		
		Incoming SMS - Unread		
		Incoming Foreign EMS -	Read	
		Incoming EMS - Deleted		
Log	Created By Neutrino Version 1.4.14			
Highlights:	Acquisition started: Wed Apr 23 11:			
	Acquisition finished: Wed Apr 23 11:29:43 EDT 2008			
	Complete representation of known data via generated reports was successful			
Results:	 			
	Assertion & Expected Result		Actual	
			Result	
	A_SIMO-58 Comparison of known SIM data elements via as ex		as expected	
	generated reports.			
Analysis:	Expected results achieved			

5.2.56 CFT-SIMO-02 (AT&T SIM)

Test Case CFI	-SIMO-02 Guidance Software Neutrino V	Version 1.4.14		
Case	CFT-SIMO-02 Acquire SIM internal memory and review acquired data via the			
Summary:	preview-pane.			
Assertions:	A_SIMO-59 If a cellular forensic tool successfully completes acquisitio			
	the target media (i.e., SIM) then the			
	in a human-readable format without n	modification via supporte	ed generated	
	report formats.			
Tester	rpa			
Name:	Manual ma			
Test Host: Test Date:	Morrisy Wed Apr 23 11:31:39 EDT 2008			
Device:	ATT_SIM			
Source	OS: WIN XP			
Setup:	Interface: USB			
	DATA OBJECTS	DATA ELEMENTS		
	Abbreviated Dialing Numbers (ADN)			
		Maximum Length		
		Special Character		
		Blank Name		
		Regular Length - Delet	ed Number	
		Foreign Entry		
	Call Logs			
		Last Numbers Dialed (L	ND)	
	Text Messages			
		Incoming SMS - Read		
		Incoming SMS - Foreign		
		Incoming SMS - Deleted		
		Incoming SMS - Unread	Deed	
		Incoming Foreign EMS - Incoming EMS - Deleted		
		Incoming EMS - Dereced		
Log	Created By Neutrino Version 1.4.14			
Highlights:	Acquisition started: Wed Apr 23 11:			
	Acquisition finished: Wed Apr 23 11:40:41 EDT 2008			
	Complete representation of known dat	ta via preview-pane was s	successful	
Results:				
NCBUILD.	Assertion & Expected Result		Actual	
	-		Result	
			as expected	
	preview-pane.		-	
Analysis:	Expected results achieved			

5.2.57 CFT-SIMO-03 (AT&T SIM)

Test Case CF1	-SIMO-03 Guidance Software Neutrino V	Version 1.4.14	
Case	CFT-SIMO-03 Acquire SIM internal memory and compare acquired data via the		
Summary:	preview-pane and supported generated	l reports.	
Assertions:	<pre>ertions: A_SIMO-58 If a cellular forensic tool successfully completes acqui the target media (i.e., SIM) then the tool shall present the acqui in a human-readable format without modification via supported gene report formats. A_SIMO-59 If a cellular forensic tool successfully completes acqui the target media (i.e., SIM) then the tool shall present the acqui in a human-readable format without modification via supported gene</pre>		
	report formats. A_SIMO-60 If a cellular forensic too		
	generated report of the acquired dat consistency of all reported data ele	—	maintain
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Wed Apr 23 13:50:11 EDT 2008		
Device:	ATT_SIM		
Source	OS: WIN XP		
Setup:	Interface: USB		
	DATA OBJECTS	DATA ELEMENTS	
	Abbreviated Dialing Numbers (ADN)		
	Abbieviated Dialing Numbers (ADN)	Maximum Length	
		Special Character	
		Blank Name	
		Regular Length - Delete	d Number
		Foreign Entry	
	Call Logs		
	The set - Manual and a	Last Numbers Dialed (LN	D)
	Text Messages	The manufacture CMG - Deced	
		Incoming SMS - Read	
		Incoming SMS - Foreign	
		Incoming SMS - Deleted	
		Incoming SMS - Unread	-
		Incoming Foreign EMS - 1	Read
		Incoming EMS - Deleted	
Log Highlights: Created By Neutrino Version 1.4.14 Acquisition started: Wed Apr 23 13:50:11 EDT 2008 Acquisition finished: Wed Apr 23 14:04:06 EDT 2008 Complete representation of known data via generated reports was Complete representation of known data via preview-pane was succe			lccessful
Results:	Consistency between generated report	s and preview-pane was su	
	Assertion & Expected Result		Actual Result
			as expected
	generated reports.		
			as expected
	preview-pane. A_SIMO-60 Compare generated reports for SIM acquisition.	s and preview-pane views	as expected
Analysis:	Expected results achieved		

5.2.58 CFT-SIMO-04 (AT&T SIM)

Test Case CF	I-SIMO-04 Guidance Software Neutrino V	Version 1.4.14		
Case	CFT-SIMO-04 After a successful SIM	internal memory Ac	quisition, alter the	
Summary:	case file via third party means and attempt to re-open the case.			
Assertions:	A_SIMO-61 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	ı.	
Tester Name:	rpa			
Test Host:	Morrisy			
Test Date:	Wed Apr 23 14:06:10 EDT 2008			
Device:	ATT_SIM			
Source	OS: WIN XP			
Setup:	Interface: USB			
	DATA OBJECTS	DATA ELEMENTS		
	Abbreviated Dialing Numbers (ADN)			
		Maximum Length		
		Special Characte	er	
		Blank Name		
			- Deleted Number	
		Foreign Entry		
	Call Logs			
		Last Numbers Dia	aled (LND)	
	Text Messages			
		Incoming SMS - H		
		Incoming SMS - 1		
		Incoming SMS - I		
		Incoming SMS - U		
		Incoming Foreign		
		Incoming EMS - I	Deleted	
Loq	Created By Neutrino Version 1.4.14			
Highlights:	Acquisition started: Wed Apr 23 14:	06:10 EDT 2008		
5 5 ***	Acquisition finished: Wed Apr 23 14:07:49 EDT 2008			
	Notification of modified case data was successful			
	Notes:			
	EnCase reports the following error when attempting to modify a case file:			
	Error in <filename>: Invalid data cl</filename>	necksum		
Results:		·		
	Assertion & Expected Result		Actual Result	
	A_SIMO-61 Notification of modifed	SIM Case data. a	s expected	
Analysis:	Expected results achieved			
	INPECCEU TEDUTED ACHIEVEA			

5.2.59 CFT-SIMO-05 (AT&T SIM)

	I-SIMO-05 Guidance Software Neutrino			
Case	CFT-SIMO-05 Acquire SIM internal memory and review reports for recoverable			
Summary:	deleted data. A_SIMO-58 If a cellular forensic tool successfully completes acquisition of			
Assertions:	_		-	
	the target media (i.e., SIM) then the tool shall present the acquired data			
	in a human-readable format without	modification via suppor	ted generated	
	report formats.			
	A_SIMO-59 If a cellular forensic to		-	
	the target media (i.e., SIM) then t	_	-	
	in a human-readable format without	modification via suppor	ted generated	
	report formats.			
	A_SIMO-62 If the cellular forensic of the target SIM and recoverable d			
	shall present recoverable deleted d			
	modification.		IOIMAC WICHOUC	
	A_SIMO-63 If the cellular forensic	tool successfully compl	etes acquisition	
	of the target SIM and recoverable d		-	
	shall present recoverable deleted d			
	modification.		IoImac wichouc	
Tester	rpa			
Name: Test Host:	Morrisy			
Test Date:	Wed Apr 23 14:08:37 EDT 2008			
Device:	ATT_SIM			
Source	OS: WIN XP			
Setup:	Interface: USB			
-	DATA OBJECTS	DATA ELEMENTS		
	Abbreviated Dialing Numbers (ADN)			
		Maximum Length		
		Special Character		
		Blank Name		
		Regular Length - Dele	ted Number	
		Foreign Entry	iced Number	
	Call Logs	Foreign Enery		
		Last Numbers Dialed (LND)	
	Text Messages	Last Mullibers Dialed		
	Text Messages	Incoming SMS - Read		
		Incoming SMS - Read	m	
		Incoming SMS - Polete		
		Incoming SMS - Unread		
		Incoming Foreign EMS		
		Incoming EMS - Delete	ea	
Log	Created By Neutrino Version 1.4.14			
Highlights:	Acquisition started: Wed Apr 23 14:	08:37 EDT 2008		
5 5.00	Acquisition finished: Wed Apr 23 14:20:00 EDT 2008			
	Complete representation of known data via generated reports was successful			
	Complete representation of known data via generated reports was successful			
	Deleted SMS data was recovered			
	Deleted EMS data was recovered			
Results:				
(esuits:	Assertion & Expected Result		Actual	
			Result	
	A_SIMO-58 Comparison of known SIM	data elements via	as expected	
	generated reports.		-	
		data elements via	as expected	
	A_SIMO-59 Comparison of known SIM			
	A_SIMO-59 Comparison of known SIM preview-pane.		ub enpecced	
	A_SIMO-59 Comparison of known SIM		as expected	
	A_SIMO-59 Comparison of known SIM preview-pane.	messages.	-	

1	Test Case CFT	-SIMO-05 Guidance Software Neutrino Version 1.4.14
	Analysis:	Expected results achieved

5.2.60 CFT-SIMO-08 (AT&T SIM)

Test Case CFT	-SIMO-08 Guidance Software Neutrino V	Version 1.4.14		
Case	CFT-SIMO-08 Begin acquisition on a 1	PIN protected SIM to	determine if the	
Summary:	tool provides an accurate count of the remaining number of PIN attempts and			
	if the PIN attempts are decremented when entering an incorrect value.			
Assertions:	A_SIMO-67 If a cellular forensic too	ol provides the exami	ner with the	
	remaining number of authentication a	attempts then the app	lication should	
	provide an accurate count of the rem	maining PIN attempts.		
Tester Name:	rpa			
Test Host:	Morrisy			
Test Date:	Wed Apr 23 14:33:20 EDT 2008			
Device:	ATT_SIM			
Source	OS: WIN XP			
Setup:	Interface: USB			
	DATA OBJECTS	DATA ELEMENTS		
	Abbreviated Dialing Numbers (ADN)			
		Maximum Length		
		Special Character		
		Blank Name		
		Regular Length - De	eleted Number	
		Foreign Entry		
	Call Logs			
		Last Numbers Dialed	(LND)	
	Text Messages			
		Incoming SMS - Read	1	
		Incoming SMS - Fore	eign	
		Incoming SMS - Dele	eted	
		Incoming SMS - Unre	ead	
		Incoming Foreign EM	1S - Read	
		Incoming EMS - Dele	eted	
Loq	Created By Neutrino Version 1.4.14			
Highlights:	Acquisition started: Wed Apr 23 14:3	33:20 EDT 2008		
5 5 5 5	Acquisition finished: Wed Apr 23 14:42:46 EDT 2008			
	Remaining number of PIN attempts pro	operly displayed was	successful	
Results:				
	Assertion & Expected Result		Actual Result	
	A_SIMO-67 Display of remaining num	ber of PIN attempts.	as expected	
Analysis:	Expected results achieved			
	T			

5.2.61 CFT-SIMO-09 (AT&T SIM)

Test Case CF1	-SIMO-09 Guidance Software Neutrino	Version 1.4.14	
Case Summary:	CFT-SIMO-09 Begin acquisition on a SIM whose PIN attempts have been exhausted to determine if the tool provides an accurate count of the remaining number of PUK attempts and if the PUK attempts are decremented when entering an incorrect value.		
Assertions:	A_SIMO-68 If a cellular forensic tool provides the examiner with the remaining number of PUK attempts then the application should provide an accurate count of the remaining PUK attempts.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Wed Apr 23 14:43:15 EDT 2008		
Device:	ATT_SIM		
Source	OS: WIN XP		
Setup:	Interface: USB	1	
	DATA OBJECTS	DATA ELEMENTS	
	Abbreviated Dialing Numbers (ADN)		
		Maximum Length	
		Special Character	
		Blank Name	
		Regular Length - De	eleted Number
		Foreign Entry	
	Call Logs		
		Last Numbers Dialed	d (LND)
	Text Messages		
		Incoming SMS - Read	1
		Incoming SMS - Fore	eign
		Incoming SMS - Dele	eted
		Incoming SMS - Unre	ead
		Incoming Foreign EM	1S - Read
		Incoming EMS - Dele	eted
Loq	Created By Neutrino Version 1.4.14		
Highlights: Acquisition started: Wed Apr 23 14:43: Acquisition finished: Wed Apr 23 14:53			
	Remaining number of PUK attempts pr	operly displayed was	successful
Results:			· · · · · · · · · · · · · · · · · · ·
	Assertion & Expected Result		Actual Result
	A_SIMO-68 Display of remaining num	ber of PUK attempts.	as expected
Analysis:	Expected results achieved		
÷			

5.2.62 CFT-SIMO-10 (AT&T SIM)

	T-SIMO-10 Guidance Software Neutrino Version 1.4.14		
Case	CFT-SIMO-10 Acquire SIM internal memory and review hash values for vendor		
Summary:	supported data objects.		
Assertions:	A_SIMO-58 If a cellular forensic tool successfully completes acquisition of		
	the target media (i.e., SIM) then the tool shall present the acquired data		
	in a human-readable format without m	odification via supporte	d generated
	report formats.		
	A_SIMO-59 If a cellular forensic too		
	the target media (i.e., SIM) then th		
	in a human-readable format without m	odification via supporte	d generated
	report formats.		
	A_SIMO-69 If the cellular forensic t		
	data objects then the tool shall pre	sent the user with a has	h value for
	each supported data object.		
Tester James	rpa		
Jame:	Morrigu		
Cest Host: Cest Date:	Morrisy Wed Apr 23 14:53:48 EDT 2008		
	-		
evice:	ATT_SIM		
Source	OS: WIN XP		
etup:	Interface: USB		1
	DATA OBJECTS	DATA ELEMENTS	
	Abbreviated Dialing Numbers (ADN)		
		Maximum Length	
		Special Character	
		Blank Name	
		Regular Length - Delete	ed Number
		Foreign Entry	
	Call Logs		
		Last Numbers Dialed (LN	ID)
	Text Messages		/
		Incoming SMS - Read	
		Incoming SMS - Foreign	
		Incoming SMS - Deleted	
		Incoming SMS - Unread	D 1
		Incoming Foreign EMS -	Read
		Incoming EMS - Deleted	
lod	Created By Neutrino Version 1.4.14		
log Highlights:	Acquisition started: Wed Apr 23 14:5	3:48 EDT 2008	
119111191100	Acquisition finished: Wed Apr 23 15:		
	nequipición imipica, aca apr 25 15.		
	Complete representation of known dat	a via generated reports	was successful
	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		
	bevice hash reporting for individual acquired data elements was successful		
	Notes:		
	NOTES: Contacts (ADNs), Text Messages (SMS, EMS) and Call Logs (LND) hash		
	values are reported via the GUI.		
Results:			
	Assertion & Expected Result		Actual
	_		Result
	A SIMO-58 Comparison of known SIM d	ata elements via	as expected
	generated reports.		
	A_SIMO-59 Comparison of known SIM d	ata elemente via	as expected
	preview-pane.	aca cremento via	as expected
	A_SIMO-69 SIM hash reporting for in	dividual acquired data	ad ownedted
		uividual acquired data	as expected
	objects.		
malysis:	Expected results achieved		

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; lessthan-lethal technologies; officer protection; education and training technologies; testing and standards; technology assistance to law enforcement and corrections agencies; field testing of promising programs; and international crime control.

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

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