



www.ojp.usdoj.gov/nij

#### U.S. Department of Justice Office of Justice Programs

810 Seventh Street N.W. Washington, DC 20531

Michael B. Mukasey Attorney General

Jeffrey L. Sedgwick Assistant Attorney General

**David W. Hagy** *Director, National Institute of Justice* 

This and other publications and products of the National Institute of Justice can be found at:

National Institute of Justice www.ojp.usdoj.gov/nij

Office of Justice Programs Innovation • Partnerships • Safer Neighborhoods www.ojp.usdoj.gov

NIJ	
OCT. 08	
	Test Results for Mobile Device Acquisition Tool: Micro Systemation .XRY 3.6
	NCJ 224148

# NIJ

David W. Hagy Director, National Institute of Justice

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

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

May 2008

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

Micro Systemation .XRY 3.6



#### Contents

1	Results	Summary	2
2	Test Ca	se Selection	3
3	Results	by Test Assertion	5
	3.1 Acc	quisition of MSISDN	10
	3.2 Acc	quisition of PIM Data	10
4	Testing	Environment	11
	4.1 Tes	t Computers	11
5	Test Re	sults	12
		t Results Report Key	
	5.2 Tes	t Details	
	5.2.1	CFT-IM-01 (Nokia 6101)	13
	5.2.2	CFT-IM-02 (Nokia 6101)	
	5.2.3	CFT-IM-03 (Nokia 6101)	
	5.2.4	CFT-IM-04 (Nokia 6101)	
	5.2.5	CFT-IM-05 (Nokia 6101)	
	5.2.6	CFT-IM-06 (Nokia 6101)	
	5.2.7	CFT-IM-07 (Nokia 6101)	
	5.2.8	CFT-IM-08 (Nokia 6101)	
	5.2.9	CFT-IM-09 (Nokia 6101)	
	5.2.10		
	5.2.11	CFT-IMO-01 (Nokia 6101)	
	5.2.12	CFT-IMO-02 (Nokia 6101)	
	5.2.13	CFT-IMO-03 (Nokia 6101)	
	5.2.14	CFT-IMO-04 (Nokia 6101)	
	5.2.15	CFT-IMO-07 (Nokia 6101)	
	5.2.16		
	5.2.17		
	5.2.18	CFT-IMO-11 (Nokia 6101)	
	5.2.19	CFT-SIM-01 (T-Mobile SIM)	
	5.2.20		
	5.2.21	CFT-SIM-03 (T-Mobile SIM)	
	5.2.22	CFT-SIM-04 (T-Mobile SIM)	
	5.2.23	CFT-SIM-05 (T-Mobile SIM)	
	5.2.24		
	5.2.25	CFT-SIM-07 (T-Mobile SIM)	
	5.2.26		
	5.2.27		
	5.2.28	CFT-SIM-10 (T-Mobile SIM)	
	5.2.29		
	5.2.30		
	5.2.31	CFT-SIMO-03 (T-Mobile SIM)	
	5.2.32	CFT-SIMO-04 (T-Mobile SIM)	
	5.2.33		
	5.2.34	CFT-SIMO-06 (T-Mobile SIM)	70

5005		70
5.2.35	CFT-SIMO-07 (T-Mobile SIM)	
5.2.36	CFT-SIMO-08 (T-Mobile SIM)	
5.2.37	CFT-SIMO-09 (T-Mobile SIM)	
5.2.38	CFT-IM-01 (Motorola RAZR V3)	
5.2.39	CFT-IM-02 (Motorola RAZR V3)	
5.2.40	CFT-IM-03 (Motorola RAZR V3)	
5.2.41	CFT-IM-04 (Motorola RAZR V3)	
5.2.42	CFT-IM-05 (Motorola RAZR V3)	
5.2.43	CFT-IM-06 (Motorola RAZR V3)	
5.2.44	CFT-IM-07 (Motorola RAZR V3)	
5.2.45	CFT-IM-08 (Motorola RAZR V3)	
5.2.46	CFT-IM-09 (Motorola RAZR V3)	
5.2.47	CFT-IM-10 (Motorola RAZR V3)	
5.2.48	CFT-IMO-01 (Motorola RAZR V3)	
5.2.49	CFT-IMO-02 (Motorola RAZR V3)	
5.2.50	CFT-IMO-03 (Motorola RAZR V3)10	
5.2.51	CFT-IMO-04 (Motorola RAZR V3)10	
5.2.52	CFT-IMO-07 (Motorola RAZR V3)10	04
5.2.53	CFT-IMO-08 (Motorola RAZR V3)10	06
5.2.54	CFT-IMO-09 (Motorola RAZR V3)10	09
5.2.55	CFT-IMO-11 (Motorola RAZR V3)1	11
5.2.56	CFT-SIM-01 (AT&T SIM)1	13
5.2.57	CFT-SIM-02 (AT&T SIM)	14
5.2.58	CFT-SIM-03 (AT&T SIM)	15
5.2.59	CFT-SIM-04 (AT&T SIM)	16
5.2.60	CFT-SIM-05 (AT&T SIM)	17
5.2.61	CFT-SIM-06 (AT&T SIM)1	18
5.2.62	CFT-SIM-07 (AT&T SIM)	20
5.2.63	CFT-SIM-08 (AT&T SIM)	21
5.2.64	CFT-SIM-09 (AT&T SIM)	22
5.2.65	CFT-SIM-10 (AT&T SIM)	23
5.2.66	CFT-SIMO-01 (AT&T SIM)	24
5.2.67	CFT-SIMO-02 (AT&T SIM)	25
5.2.68	CFT-SIMO-03 (AT&T SIM)	
5.2.69	CFT-SIMO-04 (AT&T SIM)	27
5.2.70	CFT-SIMO-05 (AT&T SIM)	
5.2.71	CFT-SIMO-06 (AT&T SIM)	
5.2.72	CFT-SIMO-07 (AT&T SIM)	
5.2.73	CFT-SIMO-08 (AT&T SIM)	
5.2.74	CFT-SIMO-09 (AT&T SIM)	

#### 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, and the National Institute of Standards and Technology's (NIST's) Office of Law Enforcement Standards (OLES) 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 Micro Systemation .XRY, version 3.6, against the *GSM Mobile Device and Associated Media Tool Specification and Test Plan Version 1.1*, available at the CFTT Web site (<u>http://www.cftt.nist.gov/GSM-Mobile-Device-and-Associated-Media-Tool-Specification-and-Test-Plan.pdf</u>). 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:	Micro Systemation .XRY 3.6 Windows XP Service Pack 2
Supplier:	Micro Systemation
Address:	Rasundavagen 1–3 108 68 Solna Sweden
Tel:	+46 (0)8-739 02 70
Fax:	+46 (0)8-730 01 70
WWW:	http://www.msab.com

#### 1 Results Summary

Except for the following test cases (CFT–IM–05, CFT–IM–06), 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. The MSISDN was not reported for the Nokia 6101 after a successful internal memory acquisition. (CFT–IM–05: Nokia 6101)
- 2. Maximum length Notes created on the Nokia 6101 were truncated preventing the entire message to be acquired. The tool reports a maximum of 184 characters within a Note. (CFT–IM–06: Nokia 6101)

## 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 Micro Systemation .XRY and the linked test cases. Table 2 lists the features not available in Micro Systemation .XRY and the linked test cases.

Supported Optional Feature	Cases selected for execution
Base Cases	CFT–IM–(01–10), CFT–SIM–(01–10)
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	
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-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	

#### Table 1 Selected Test Cases

Acquire SIM internal memory and review reports for recoverable deleted data	CFT–SIMO–05
Acquire SIM internal memory and review generated log files	CFT-SIMO-06
Acquire SIM internal memory and review data containing foreign language characters	CFT-SIMO-07
Begin acquisition on a PIN protected SIM to determine if the tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value	CFT–SIMO–08
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	CFT-SIMO-09

#### Table 2 Omitted Test Cases

Unsupported Optional Feature	Cases omitted (not executed)
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	
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-12
review the overall case file hash	
Acquire SIM internal memory and review hash	CFT–SIMO–10
values for vendor supported data objects	
Acquire SIM internal memory and review the	CFT–SIMO–11
overall case file hash	

Some test cases have variant forms to accommodate parameters within test assertions. These variations cover the acquisition interface type (i.e., Bluetooth, Infrared).

The following source mobile device acquisition interfaces were tested: cable and Bluetooth for the Motorola RAZR V3, cable and IrDA for the Nokia 6101, and Micro Systemation's USB SIM reader for internal memory SIM acquisitions.

## 3 Results by Test Assertion

Table 3 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.

#### Table 3 Assertions Tested

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	1	
nonsupported device then the tool shall have the ability to identify that		
the device is not supported.		
A_IM–03 If a cellular forensic tool encounters disengagement between	1	
the device and application then the application shall notify the user that		
connectivity has been disrupted.		
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–05 If a cellular forensic tool successfully completes acquisition	1	3.1
of the target device then subscriber related information shall be		
presented in a human-readable format without modification.		
A_IM-06 If a cellular forensic tool successfully completes acquisition	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 of the target device then all known graphics associated with address book entries shall be presented in a human-readable format without modification.	1	
<b>A_IM–13</b> If a cellular forensic tool successfully completes acquisition of the target device then all known datebook, calendar, note entries shall be presented in a human-readable format without modification.	1	
A_IM–14 If a cellular forensic tool successfully completes acquisition of the target device then all maximum length datebook, calendar, note entries shall be presented in a human-readable format without modification.	1	3.2
A_IM-15 If a cellular forensic tool successfully completes acquisition of the target device then all call logs (incoming/outgoing) shall be presented in a human-readable format without modification.	1	
<b>A_IM–16</b> If a cellular forensic tool successfully completes acquisition of the target device then all text messages (i.e., SMS, EMS) messages shall be presented in a human-readable format without modification.	1	
<b>A_IM–17</b> If a cellular forensic tool successfully completes acquisition of the target device then all MMS messages and associated audio shall be presented properly without modification.	1	
<b>A_IM–18</b> If a cellular forensic tool successfully completes acquisition of the target device then all MMS messages and associated images shall be presented properly without modification.	1	
<b>A_IM–19</b> If a cellular forensic tool successfully completes acquisition of the target device then all MMS messages and associated video shall be presented properly without modification.	1	
A_IM-20 If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone audio files shall be playable via either an internal application or suggested third-party application without modification.	1	
<b>A_IM–21</b> If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone image files shall be viewable via either an internal application or suggested third-party application without modification.	1	
<b>A_IM–22</b> If a cellular forensic tool successfully completes acquisition of the target device then all stand-alone video files shall be viewable via either an internal application or suggested third-party application without modification.	1	
A_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).	9	
A_SIM–24 If a cellular forensic tool attempts to connect to a nonsupported SIM then the tool shall have the ability to identify that the	1	

SIM is not supported	
SIM is not supported. A_SIM-25 If a cellular forensic tool encounters disengagement	1
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	
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	0
data in a human-readable format via either preview pane or generated	
report.	
A_SIM-28 If a cellular forensic tool successfully completes acquisition	1
of the target SIM then the SPN shall be presented in a human-readable	1
format without modification.	
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-31 If a cellular forensic tool successfully completes acquisition	1
of the target SIM then the MSISDN shall be presented in a human-	
readable format without modification.	
A_SIM-32 If a cellular forensic tool successfully completes acquisition	1
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_SIM-36 If a cellular forensic tool successfully completes acquisition	1
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	1
of the target SIM then all location related data (i.e., GRPSLOCI) 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–51 If the cellular forensic tool supports SIM access card	1	
creation then the card creation shall be completed without errors via		
manufacturer suggested protocols. Access cards characteristics should		
be consistent with vendor documentation.		
A_IMO–52 If the cellular forensic tool supports log creation then the	1	
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	1	
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	1	
foreign language character sets then the application should present text		
messages containing foreign language characters in their native format		
without modification.		
A_IMO-56 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.		
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.		
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 preview-pane view.		
A_SIMO-60 If a cellular forensic tool provides a preview-pane view	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		
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		
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–64 If a cellular forensic tool supports creation of log files then the application should present the log files in a human-readable format outlining the acquisition process.	1	
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.	1	
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.	1	
A_SIMO–67 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts then the application should provide an accurate count of the remaining PIN attempts.	1	
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.	1	

Table 4 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\_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-55 If the cellular forensic tool supports stand-alone acquisition of internal memory with the SIM present, then the contents of the SIM shall not be modified during internal memory acquisition.

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–69** 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.

**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 Acquisition of MSISDN

.XRY does not report the MSISDN from the mobile device internal memory for the Nokia 6101 (Test Case: CFT–IM–05). However, the MSISDN is acquired and reported when acquiring the internal memory of the Motorola RAZR V3.

NOTE: XRY acquires the MSISDN by sending the AT+CNUM command to the device and echoes the response. Not all devices support this command. This number is a text field on the SIM. The number is not used to identify the user by the network, therefore can be any type of number. The MSISDN can be manipulated and report misleading information.

#### 3.2 Acquisition of PIM Data

.XRY has the ability to acquire Personal Information Management (PIM) data e.g., Calendar, Notes, To-Do list, etc. The tool reports up to 184 characters for Notes (Test Case: CFT–IM–06). Dependent upon the mobile device's design and capabilities determines the amount of characters a created Note is capable of storing. The Nokia 6101 has the ability to create a Note containing 3000 characters. Therefore, the mobile device internal memory acquisition truncated a significant amount of PIM data present on the device.

## 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<sup>™</sup>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)

Test Case CFT	-IM-01 Micro Systemation	
Case	-	e device internal memory over supported interfaces
Summary:	(e.g., cable, Bluetooth,	
Assertions:		prensic tool provides support for connectivity of
		the tool shall successfully recognize the target
	device via all vendor su	upported interfaces (e.g., cable, Bluetooth, IrDA).
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Apr 2 09:05:31 EDT 2	2008
Device:	Nokia_6101	
Source	OS: WIN XP	
Setup:	Interface: cable	
	DATA OBJECTS	DATA ELEMENTS
	Address Book Entries	
		Maximum Length
		Regular Length, email, picture
		Special Character
		Blank Name
		Regular Length, Deleted email - deleted picture
		Deleted Entry
		Foreign Entry
	PIM Data	
		Maximum Length
		Regular Length
		Deleted Entry
		Special Character
	Call Logs	
		Missed
		Missed - Deleted
		Incoming Incoming - Deleted
		Outgoing
		Outgoing - Deleted
	Text Messages	
		Incoming SMS - Read
		Incoming SMS - Unread
		Incoming SMS - Deleted
		Outgoing SMS
		Outgoing SMS - Deleted
		Incoming EMS - Read
		Incoming EMS - Unread
		Incoming Foreign EMS - Read
		Incoming EMS - Deleted
		Outgoing EMS
		Outgoing EMS - Deleted
	MMS Messages	
		Incoming Audio
		Incoming Image
		Incoming Video
		Outgoing Audio
		Outgoing Image
		Outgoing Video
	Stand-alone data files	
		Audio
		Audio - Deleted
		Image Deleted
		Image - Deleted
		Video Video - Deleted
		Video Deleted

	I-IM-01 Micro Systemation .XRY Version 3.6	
Log Highlights:	Created By .XRY Version 3.6 Acquisition started: Wed Apr 2 09:05:31 EDT 2008 Acquisition finished: Wed Apr 2 09:25:40 EDT 2008	
	Device connectivity was established via supported inter IrDA)	face (i.e., cable,
	Notes: IrDA acquisition reported: General Phone Information, C Calendar entries all which were consistent with cable a Bluetooth acquisition not supported.	
	Bidecooth acquisition not supported.	
Results:		-
Results:	Assertion & Expected Result	Actual Result
Results:		Actual Result as expected

#### 5.2.2 CFT-IM-02 (Nokia 6101)

Case	CFT-IM-02 Attempt intern	nal memory acquisition of a non-supported mobile
Summary:	device.	
Assertions:	A_IM-02 If a cellular fo	prensic tool attempts to connect to a non-supported
		all have the ability to identify that the device is
	not supported.	
'ester Name:	rpa	
'est Host:	Morrisy	
est Date:	Wed Apr 2 10:00:15 EDT 2	
evice:	Non-supported mobile dev	vice
ource	OS: WIN XP	
etup:	Interface: cable	
	DATA OBJECTS	DATA ELEMENTS
	Address Book Entries	
		Maximum Length
		Regular Length, email, picture
		Special Character
		Blank Name
		Regular Length, Deleted email - deleted picture
		Deleted Entry
		Foreign Entry
	PIM Data	
		Maximum Length
		Regular Length
		Deleted Entry
		Special Character
	Call Logs	
		Missed
		Missed - Deleted
		Incoming
		Incoming - Deleted
		Outgoing
		Outgoing - Deleted
	Text Messages	
		Incoming SMS - Read
		Incoming SMS - Unread
		Incoming SMS - Deleted
		Outgoing SMS
		Outgoing SMS - Deleted
		Incoming EMS - Read
		Incoming EMS - Unread
		Incoming Foreign EMS - Read
		Incoming EMS - Deleted
		Outgoing EMS
		Outgoing EMS - Deleted
	MMS Messages	
		Incoming Audio
		Incoming Image
		Incoming Video
		Outgoing Audio
		Outgoing Image
		Outgoing Video
	Stand-alone data files	Sacjoing viaco
	Scand dione data tites	Audio
		Audio - Deleted
		Image Deleted
		Image - Deleted
		Video Wideo Deleted
		Video - Deleted

Test Case CFT	-IM-02 Micro Systemation .XRY Version 3.6		
Highlights:	Acquisition started: Wed Apr 2 10:00:15 EDT 2008		
	Acquisition finished: Wed Apr 2 10:01:00 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-03 (Nokia 6101)

	-IM-03 Micro Systemation .	
Case	-	evice internal memory acquisition and interrupt
Summary:	connectivity by interface	
Assertions:		rensic tool provides support for connectivity of
		he tool shall successfully recognize the target
		pported interfaces (e.g., cable, Bluetooth, IrDA).
	A_IM-03 If a cellular for	rensic tool encounters disengagement between the
	device and application the	hen the application shall notify the user that
	connectivity has been dis	srupted.
	_	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Apr 2 10:03:48 EDT 20	008
Device:	Nokia_6101	
Source	OS: WIN XP	
Setup:	Interface: cable	
Secup.	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	roreign mery
	FIM Data	Marrimum Tanakla
		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 CF	T-IM-03 Micro Systemation .XRY Version 3.6	
Log Highlights:	Created By .XRY Version 3.6 Acquisition started: Wed Apr 2 10:03:48 EDT 2008 Acquisition finished: Wed Apr 2 10:14:15 EDT 2008	
	Device connectivity was established via supported interf Device acquisition disruption notification was successfu	
	Notes: If cable is pulled from the device interface or the devi the acquisition progress bar pauses until the device cab or the phone is powered on.	-
	When the cable is pulled from the XRY hub the examiner is immediately.	s notified
Results:		
	Assertion & Expected Result	Actual Result
	A_IM-01 Device connectivity via supported interfaces.	as expected
	A_IM-03 Notification of device acquisition disruption.	as expected
		as expected

#### 5.2.4 CFT-IM-04 (Nokia 6101)

Test Case CFT	-IM-04 Micro Systemation .	XRY Version 3.6
Case		device internal memory and review reported data
Summary:		generated reports for readability.
Assertions:		rensic tool provides support for connectivity of
ABBCI CIOIIB.		he tool shall successfully recognize the target
	•	oported interfaces (e.g., cable, Bluetooth, IrDA).
		rensic tool successfully completes acquisition of
		he tool shall have the ability to present acquired
		-readable format via either a preview-pane or
		-readable format via ercher a preview-pane of
	generated report.	
Tester	rpa	
Name:	1 Pa	
Test Host:	Morrisy	
Test Date:	Wed Apr 2 10:33:54 EDT 20	008
Device:	Nokia_6101	
Source	OS: WIN XP	
Setup:	Interface: cable	
T	DATA OBJECTS	DATA ELEMENTS
	Address Book Entries	
	Address book Entries	Maximum Length
		Regular Length, email, picture
		Special Character
		<u>+</u>
		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	
		Missed
		Missed - Deleted
		Incoming
		Incoming - Deleted
		Outgoing
		Outgoing - Deleted
	Text Messages	
		Incoming SMS - Read
		Incoming SMS - Unread
		Incoming SMS - Deleted
		Outgoing SMS
	<u> </u>	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
	<u> </u>	Incoming Video
		Outgoing Audio
		Outgoing Image
		Outgoing Video
	Stand-alone data files	
		Audio
		Audio - Deleted
		Image
		Image - Deleted
		Video Video - Deleted

Test Case CF	I-IM-04 Micro Systemation .XRY Version 3.6	
Log	Created By .XRY Version 3.6	
Highlights:	Acquisition started: Wed Apr 2 10:33:54 EDT 2008	
	Acquisition finished: Wed Apr 2 10:49:26 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	

## 5.2.5 CFT-IM-05 (Nokia 6101)

	-IM-05 Micro Systemation	
Case		le device internal memory and review reported
Summary:		nt related information (i.e., IMEI, MSISDN).
Assertions:	_	forensic tool provides support for connectivity of
	-	the tool shall successfully recognize the target
		supported interfaces (e.g., cable, Bluetooth, IrDA).
		forensic tool successfully completes acquisition of
	_	the tool shall have the ability to present acquired
		an-readable format via either a preview-pane or
	generated report.	
	—	forensic tool successfully completes acquisition of
	-	subscriber related information shall be presented in
		t without modification.
		forensic tool successfully completes acquisition of
		equipment related information shall be presented in
	a human-readable forma	t without modification.
Tester	rpa	
Name: Test Host:	Morrisy	
Test Date:	Wed Apr 2 10:54:25 EDT	2008
Device:	Nokia_6101	2000
Source	OS: WIN XP	
Setup:	Interface: USB	
T	DATA OBJECTS	DATA ELEMENTS
	Address Book Entries	
	Indifest Been Enerror	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
		Incoming Video Outgoing Audio
		Outgoing Audio

Test Case CFI	-IM-05 Micro Systemation .XRY Version 3.6	
	Audio	
	Audio - Deleted	
	Image	
	Image - Deleted	
	Video	
	Video - Deleted	
Log Highlights:	Created By .XRY Version 3.6 Acquisition started: Wed Apr 2 10:54:25 EDT 2008 Acquisition finished: Wed Apr 2 11:12:19 EDT 2008 Device connectivity was established via supported interface Readability and completeness of acquired data was successful MSISDN was not acquired	
Results:	Assertion & Expected Result	Actual Result
	A_IM-01 Device connectivity via supported interfaces.	as expected
	A_IM-04 Readability and completeness of acquired data via supported reports.	as expected
	A IM-05 Acquisition of MSISDN.	Not as
	A_IM-05 ACQUISICION OF MSISDN.	expected
	A IM-06 Acquisition of IMEI.	as expected
Analysis:	Partial results achieved	

#### 5.2.6 CFT-IM-06 (Nokia 6101)

	T-IM-06 Micro Systemation	XRY Version 3.6
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 the device via all vendor su A_IM-04 If a cellular for the target device then the data elements in a human generated report. A_IM-07 If a cellular for the target device then a a human-readable format	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 prensic tool successfully completes acquisition of all known address book entries shall be presented in without modification. prensic tool successfully completes acquisition of
	be presented in a human- A_IM-09 If a cellular for the target device then a	all known maximum length address book entries shall -readable format without modification. orensic tool successfully completes acquisition of all known address book entries containing special sented in a human-readable format without
	the target device then a names shall be presented A_IM-11 If a cellular fo the target device then a	prensic 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
	A_IM-12 If a cellular for the target device then a	prensic tool successfully completes acquisition of all known graphics associated with address book ted in a human-readable format without modification.
	A_IM-13 If a cellular for the target device then a presented in a human-rea A_IM-14 If a cellular for the target device then a	brensic tool successfully completes acquisition of all known datebook, calendar, note entries shall be adable format without modification. brensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification.
Tester	A_IM-13 If a cellular for 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	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 Name:	A_IM-13 If a cellular for the target device then a presented in a human-rea A_IM-14 If a cellular for the target device then a	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
	A_IM-13 If a cellular for 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	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
Name:	A_IM-13 If a cellular for 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	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 human readable format without modification.
Name: Test Host:	A_IM-13 If a cellular for 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	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 human readable format without modification.
Name: Test Host: Test Date:	A_IM-13 If a cellular for 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 3 08:35:59 EDT 2	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 human readable format without modification.
Name: Test Host: Test Date: Device: Source	A_IM-13 If a cellular for 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 3 08:35:59 EDT 2 Nokia_6101	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 human readable format without modification.
Name: Test Host: Test Date: Device:	A_IM-13 If a cellular for 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 3 08:35:59 EDT 2 Nokia_6101 OS: WIN XP	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 human readable format without modification.
Name: Test Host: Test Date: Device: Source	A_IM-13 If a cellular for 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 3 08:35:59 EDT 2 Nokia_6101 OS: WIN XP Interface: cable	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 human readable format without modification.
Name: Test Host: Test Date: Device: Source	A_IM-13 If a cellular for 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 3 08:35:59 EDT 2 Nokia_6101 OS: WIN XP Interface: cable DATA OBJECTS	Derensic tool successfully completes acquisition of all known datebook, calendar, note entries shall be adable format without modification. Derensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification.
Name: Test Host: Test Date: Device: Source	A_IM-13 If a cellular for 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 3 08:35:59 EDT 2 Nokia_6101 OS: WIN XP Interface: cable DATA OBJECTS	Derensic tool successfully completes acquisition of all known datebook, calendar, note entries shall be adable format without modification.         Derensic 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: Test Host: Test Date: Device: Source	A_IM-13 If a cellular for 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 3 08:35:59 EDT 2 Nokia_6101 OS: WIN XP Interface: cable DATA OBJECTS	Derensic tool successfully completes acquisition of all known datebook, calendar, note entries shall be adable format without modification. Derensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. DATA ELEMENTS Maximum Length Regular Length, email, picture Special Character
Name: Test Host: Test Date: Device: Source	A_IM-13 If a cellular for 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 3 08:35:59 EDT 2 Nokia_6101 OS: WIN XP Interface: cable DATA OBJECTS	Data ELEMENTS         Maximum Length         Regular Length, email, picture         Special Character         Blank Name
Name: Test Host: Test Date: Device: Source	A_IM-13 If a cellular for 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 3 08:35:59 EDT 2 Nokia_6101 OS: WIN XP Interface: cable DATA OBJECTS	DATA ELEMENTS  Maximum Length Regular Length, Deleted email - deleted picture
Name: Test Host: Test Date: Device: Source	A_IM-13 If a cellular for 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 3 08:35:59 EDT 2 Nokia_6101 OS: WIN XP Interface: cable DATA OBJECTS	DATA ELEMENTS  Maximum Length Regular Length, Deleted email - deleted Entry
Name: Fest Host: Fest Date: Device: Source	A_IM-13 If a cellular for 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 3 08:35:59 EDT 2 Nokia_6101 OS: WIN XP Interface: cable DATA OBJECTS	DATA ELEMENTS  Maximum Length Regular Length, Deleted email - deleted picture
Name: Test Host: Test Date: Device: Source	A_IM-13 If a cellular for 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 3 08:35:59 EDT 2 Nokia_6101 OS: WIN XP Interface: cable DATA OBJECTS	DATA ELEMENTS  Maximum Length Regular Length, Deleted email - deleted Entry
Name: Test Host: Test Date: Device: Source	A_IM-13 If a cellular for 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 3 08:35:59 EDT 2 Nokia_6101 OS: WIN XP Interface: cable 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 Maximum Length Maximum Length Maximum Length
Name: Fest Host: Fest Date: Device: Source	A_IM-13 If a cellular for 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 3 08:35:59 EDT 2 Nokia_6101 OS: WIN XP Interface: cable DATA OBJECTS Address Book Entries	Derensic tool successfully completes acquisition of all known datebook, calendar, note entries shall be adable format without modification. Derensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. DATA ELEMENTS 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 Regular Length
Name: Fest Host: Fest Date: Device: Source	A_IM-13 If a cellular for 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 3 08:35:59 EDT 2 Nokia_6101 OS: WIN XP Interface: cable DATA OBJECTS Address Book Entries	Derensic tool successfully completes acquisition of all known datebook, calendar, note entries shall be adable format without modification. Derensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. DATA ELEMENTS 2008 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 Regular Length Deleted Entry
Name: Test Host: Test Date: Device: Source	A_IM-13 If a cellular for 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 3 08:35:59 EDT 2 Nokia_6101 OS: WIN XP Interface: cable DATA OBJECTS Address Book Entries PIM Data	Derensic tool successfully completes acquisition of all known datebook, calendar, note entries shall be adable format without modification. Derensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. DATA ELEMENTS 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 Regular Length
Name: Test Host: Test Date: Device: Source	A_IM-13 If a cellular for 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 3 08:35:59 EDT 2 Nokia_6101 OS: WIN XP Interface: cable DATA OBJECTS Address Book Entries	Derensic tool successfully completes acquisition of all known datebook, calendar, note entries shall be adable format without modification. Derensic 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 Maximum Length Regular Length Deleted Entry Special Character
Name: Test Host: Test Date: Device: Source	A_IM-13 If a cellular for 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 3 08:35:59 EDT 2 Nokia_6101 OS: WIN XP Interface: cable DATA OBJECTS Address Book Entries PIM Data	Derensic tool successfully completes acquisition of all known datebook, calendar, note entries shall be adable format without modification. Derensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. DATA ELEMENTS 2008 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 Regular Length Deleted Entry
Name: Test Host: Test Date: Device: Source	A_IM-13 If a cellular for 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 3 08:35:59 EDT 2 Nokia_6101 OS: WIN XP Interface: cable DATA OBJECTS Address Book Entries PIM Data	Derensic tool successfully completes acquisition of all known datebook, calendar, note entries shall be adable format without modification. Derensic 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 Maximum Length Regular Length Deleted Entry Special Character
Name: Test Host: Test Date: Device: Source	A_IM-13 If a cellular for 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 3 08:35:59 EDT 2 Nokia_6101 OS: WIN XP Interface: cable DATA OBJECTS Address Book Entries PIM Data	Derensic tool successfully completes acquisition of all known datebook, calendar, note entries shall be adable format without modification. Derensic 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 Maximum Length Regular Length Deleted Entry Special Character Maximum Length Regular Length Deleted Entry Special Character Missed
Name: Test Host: Test Date: Device: Source	A_IM-13 If a cellular for 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 3 08:35:59 EDT 2 Nokia_6101 OS: WIN XP Interface: cable DATA OBJECTS Address Book Entries PIM Data	Derensic tool successfully completes acquisition of all known datebook, calendar, note entries shall be adable format without modification. Derensic 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 Deleted Entry Special Character Maximum Length Regular Length Deleted Entry Special Character Missed Missed - Deleted
Name: Test Host: Test Date: Device: Source	A_IM-13 If a cellular for 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 3 08:35:59 EDT 2 Nokia_6101 OS: WIN XP Interface: cable DATA OBJECTS Address Book Entries PIM Data	Derensic tool successfully completes acquisition of all known datebook, calendar, note entries shall be adable format without modification. Derensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. 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 Deleted Entry Special Character Maximum Length Regular Length Deleted Entry Special Character Missed - Deleted Incoming Incoming - Deleted Outgoing
Name: Test Host: Test Date: Device: Source	A_IM-13 If a cellular for 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 3 08:35:59 EDT 2 Nokia_6101 OS: WIN XP Interface: cable DATA OBJECTS Address Book Entries PIM Data	Derensic tool successfully completes acquisition of all known datebook, calendar, note entries shall be adable format without modification. Derensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. DATA ELEMENTS DATA ELEMENTS 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

	T-IM-06 Micro Systemation .XRY Version 3.6	1
	Incoming SMS - R	
	Incoming SMS - U	
	Incoming SMS - D Outgoing SMS	eleted
	Outgoing SMS - D	aleted
	Incoming EMS - R	
	Incoming EMS - U	
	Incoming Foreign	
	Incoming EMS - D	
	Outgoing EMS	
	Outgoing EMS - D	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	
og	Created By .XRY Version 3.6	
ighlights:	Acquisition started: Thu Apr 3 08:35:59 ED Acquisition finished: Thu Apr 3 08:52:44 EI	
		51 2008
	Device connectivity was established via sug	pported interface
	Device connectivity was established via sug Readability and completeness of acquired da	ported interface ta was successful
	Device connectivity was established via sug	ported interface ta was successful
	Device connectivity was established via sug Readability and completeness of acquired da All address book entries were successfully	pported interface ta was successful acquired
	Device connectivity was established via sug Readability and completeness of acquired da All address book entries were successfully Basic PIM related data was acquired	pported interface ta was successful acquired
	Device connectivity was established via sug Readability and completeness of acquired da All address book entries were successfully Basic PIM related data was acquired Partial Maximum length PIM related data was Notes:	pported interface ta was successful acquired acquired
	Device connectivity was established via sug Readability and completeness of acquired da All address book entries were successfully Basic PIM related data was acquired Partial Maximum length PIM related data was Notes: Address book entries containing pictures was	pported interface ta was successful acquired acquired
	Device connectivity was established via sug Readability and completeness of acquired da All address book entries were successfully Basic PIM related data was acquired Partial Maximum length PIM related data was Notes:	pported interface ta was successful acquired acquired
	Device connectivity was established via sug Readability and completeness of acquired da All address book entries were successfully Basic PIM related data was acquired Partial Maximum length PIM related data was <u>Notes</u> : Address book entries containing pictures we corresponding name.	oported interface ta was successful acquired acquired ere not linked directly to the
	Device connectivity was established via sug Readability and completeness of acquired da All address book entries were successfully Basic PIM related data was acquired Partial Maximum length PIM related data was Notes: Address book entries containing pictures was	oported interface ta was successful acquired acquired ere not linked directly to the
	Device connectivity was established via sug Readability and completeness of acquired da All address book entries were successfully Basic PIM related data was acquired Partial Maximum length PIM related data was <u>Notes</u> : Address book entries containing pictures we corresponding name.	oported interface ta was successful acquired acquired ere not linked directly to the
esults:	Device connectivity was established via sug Readability and completeness of acquired da All address book entries were successfully Basic PIM related data was acquired Partial Maximum length PIM related data was Notes: Address book entries containing pictures we corresponding name. Maximum Length Notes were truncated allowing	oported interface ta was successful acquired acquired ere not linked directly to the ag a maximum of 184 characters.
esults:	Device connectivity was established via sug Readability and completeness of acquired da All address book entries were successfully Basic PIM related data was acquired Partial Maximum length PIM related data was <u>Notes</u> : Address book entries containing pictures we corresponding name.	pported interface ta was successful acquired ere not linked directly to the og a maximum of 184 characters. Actual
esults:	Device connectivity was established via sug Readability and completeness of acquired da All address book entries were successfully Basic PIM related data was acquired Partial Maximum length PIM related data was Notes: Address book entries containing pictures we corresponding name. Maximum Length Notes were truncated allowin Assertion & Expected Result	pported interface ta was successful acquired ere not linked directly to the ag a maximum of 184 characters. Actual Result
esults:	Device connectivity was established via sug Readability and completeness of acquired da All address book entries were successfully Basic PIM related data was acquired Partial Maximum length PIM related data was Notes: Address book entries containing pictures we corresponding name. Maximum Length Notes were truncated allowin Assertion & Expected Result A_IM-01 Device connectivity via supported	pported interface ta was successful acquired ere not linked directly to the ag a maximum of 184 characters. Actual Result interfaces. as expected
esults:	Device connectivity was established via sug Readability and completeness of acquired da All address book entries were successfully Basic PIM related data was acquired Partial Maximum length PIM related data was Notes: Address book entries containing pictures we corresponding name. Maximum Length Notes were truncated allowin Assertion & Expected Result A_IM-01 Device connectivity via supported A_IM-04 Readability and completeness of ac	pported interface ta was successful acquired ere not linked directly to the ag a maximum of 184 characters. Actual Result interfaces. as expected
esults:	Device connectivity was established via sug Readability and completeness of acquired da All address book entries were successfully Basic PIM related data was acquired Partial Maximum length PIM related data was <u>Notes</u> : Address book entries containing pictures we corresponding name. Maximum Length Notes were truncated allowin Assertion & Expected Result A_IM-01 Device connectivity via supported A_IM-04 Readability and completeness of ac supported reports.	pported interface ta was successful acquired acquired ere not linked directly to the ag a maximum of 184 characters. Actual Result interfaces. as expected as expected
esults:	Device connectivity was established via sug Readability and completeness of acquired da All address book entries were successfully Basic PIM related data was acquired Partial Maximum length PIM related data was Notes: Address book entries containing pictures we corresponding name. Maximum Length Notes were truncated allowin 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 entried	pported interface ta was successful acquired acquired ere not linked directly to the ag a maximum of 184 characters. Actual Result interfaces. as expected as expected es. as expected
esults:	Device connectivity was established via sug Readability and completeness of acquired da All address book entries were successfully Basic PIM related data was acquired Partial Maximum length PIM related data was <u>Notes</u> : Address book entries containing pictures we corresponding name. Maximum Length Notes were truncated allowin 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 add:	pported interface ta was successful acquired acquired ere not linked directly to the ag a maximum of 184 characters. Actual Result interfaces. as expected as expected es. as expected
esults:	Device connectivity was established via sug Readability and completeness of acquired da All address book entries were successfully Basic PIM related data was acquired Partial Maximum length PIM related data was Notes: Address book entries containing pictures we corresponding name. Maximum Length Notes were truncated allowin 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 entried	ported interface ta was successful acquired a acquired ere not linked directly to the org a maximum of 184 characters. Actual Result interfaces. as expected as expected es. as expected as expected as expected
esults:	Device connectivity was established via sug Readability and completeness of acquired da All address book entries were successfully Basic PIM related data was acquired Partial Maximum length PIM related data was <b>Notes:</b> Address book entries containing pictures we corresponding name. Maximum Length Notes were truncated allowin <b>Assertion &amp; Expected Result</b> 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 add: entries.	ported interface sta was successful acquired acquired ere not linked directly to the ng a maximum of 184 characters. Actual Result interfaces. as expected es. as expected as expected as expected as expected
esults:	Device connectivity was established via sug Readability and completeness of acquired da All address book entries were successfully Basic PIM related data was acquired Partial Maximum length PIM related data was <u>Notes</u> : Address book entries containing pictures we corresponding name. Maximum Length Notes were truncated allowin 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 add: entries. A_IM-09 Acquisition of address book entried	ported interface sta was successful acquired a acquired are not linked directly to the ag a maximum of 184 characters. Actual Result interfaces. as expected as expected as expected as containing as expected
esults:	Device connectivity was established via sug Readability and completeness of acquired da All address book entries were successfully Basic PIM related data was acquired Partial Maximum length PIM related data was Notes: Address book entries containing pictures we corresponding name. Maximum Length Notes were truncated allowin 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 add: entries. A_IM-09 Acquisition of address book entrie special characters.	ported interface sta was successful acquired a acquired are not linked directly to the ag a maximum of 184 characters. Actual Result interfaces. as expected as expected as expected as containing as expected
esults:	Device connectivity was established via sug Readability and completeness of acquired da All address book entries were successfully Basic PIM related data was acquired Partial Maximum length PIM related data was <u>Notes</u> : Address book entries containing pictures we corresponding name. Maximum Length Notes were truncated allowin 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 add: entries. A_IM-09 Acquisition of address book entrie special characters. A_IM-10 Acquisition of address book entrie	ported interface ta was successful acquired a acquired are not linked directly to the ag a maximum of 184 characters. Actual Result interfaces. as expected as expected as expected as containing as expected as containing as expected
esults:	Device connectivity was established via sug Readability and completeness of acquired da All address book entries were successfully Basic PIM related data was acquired Partial Maximum length PIM related data was Notes: Address book entries containing pictures we corresponding name. Maximum Length Notes were truncated allowin Maximum Length Notes were truncated allowin 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 add: 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 add: address book entries.	ported interface ta was successful acquired a acquired are not linked directly to the ag a maximum of 184 characters. Actual Result interfaces. as expected as expected as expected as expected as containing as expected as containing as expected as expected
esults:	Device connectivity was established via sug Readability and completeness of acquired da All address book entries were successfully Basic PIM related data was acquired Partial Maximum length PIM related data was Notes: Address book entries containing pictures we corresponding name. Maximum Length Notes were truncated allowin Maximum Length Notes were truncated allowin 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 add: 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 add:	ported interface ta was successful acquired a acquired are not linked directly to the ag a maximum of 184 characters. Actual Result interfaces. as expected as expected as expected as expected as containing as expected as containing as expected as expected
esults:	Device connectivity was established via sug Readability and completeness of acquired da All address book entries were successfully Basic PIM related data was acquired Partial Maximum length PIM related data was Notes: Address book entries containing pictures we corresponding name. Maximum Length Notes were truncated allowin Maximum Length Notes were truncated allowin 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 add: 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 add: address book entries. A_IM-12 Acquisition of embedded graphics of book entries.	ported interface ta was successful acquired a acquired are not linked directly to the ag a maximum of 184 characters. Actual Result interfaces. as expected as exp
esults:	Device connectivity was established via sug Readability and completeness of acquired da All address book entries were successfully Basic PIM related data was acquired Partial Maximum length PIM related data was Notes: Address book entries containing pictures we corresponding name. Maximum Length Notes were truncated allowin 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 add: entries. A_IM-09 Acquisition of address book entrie special characters. A_IM-10 Acquisition of address book entrie special characters. A_IM-10 Acquisition of embedded email add: address book entries. A_IM-12 Acquisition of embedded graphics of	ported interface ta was successful acquired a acquired are not linked directly to the ag a maximum of 184 characters. Actual Result interfaces. as expected as exp
esults:	Device connectivity was established via sug Readability and completeness of acquired da All address book entries were successfully Basic PIM related data was acquired Partial Maximum length PIM related data was Notes: Address book entries containing pictures we corresponding name. Maximum Length Notes were truncated allowin 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 add: 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 add: address book entries. A_IM-12 Acquisition of PIM data (i.e., data notes).	ported interface ta was successful acquired a acquired are not linked directly to the ag a maximum of 184 characters. Actual Result interfaces. as expected as expected as expected as expected as containing as expected as expected
esults:	Device connectivity was established via sug Readability and completeness of acquired da All address book entries were successfully Basic PIM related data was acquired Partial Maximum length PIM related data was Notes: Address book entries containing pictures we corresponding name. Maximum Length Notes were truncated allowin Maximum Length Notes were truncated allowin AIM-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 add: entries. A_IM-09 Acquisition of address book entries bank name entry. A_IM-10 Acquisition of embedded email add: address book entries. A_IM-12 Acquisition of PIM data (i.e., data A_IM-13 Acquisition of PIM data (i.e., data	ported interface ta was successful acquired a acquired are not linked directly to the ag a maximum of 184 characters. Actual Result interfaces. as expected as expected as expected as expected as containing as expected as expected

Test Case CFT	-IM-06 Micro Systemation .XRY Version 3.6
Analysis:	Partial results achieved

#### 5.2.7 CFT-IM-07 (Nokia 6101)

Test Case CFT	-IM-07 Micro Systemation	.XRY Version 3.6			
Case		e device internal memory and review reported call			
Summary:	logs.				
Assertions:	A_IM-01 If a cellular forensic tool provides support for connectivity of				
	the target device then the tool shall successfully recognize the target device via all vendor supported interfaces (e.g., cable, Bluetooth, IrDA).				
	A_IM-04 If a cellular forensic tool successfully completes acquisition of				
	the target device then the tool shall have the ability to present acquired				
	data elements in a human-readable format via either a preview-pane or				
	generated report. A_IM-15 If a cellular forensic tool successfully completes acquisition of the target device then all call logs (incoming/outgoing) shall be presented				
	-	at without modification.			
	III a Human-readable form	at without modification.			
Tester	rpa				
Name:	ipa				
Test Host:	Morrisy				
Test Date:	Thu Apr 3 09:35:35 EDT 2008				
Device:	Nokia_6101				
Source	OS: WIN XP				
Setup:	Interface: cable	I			
	DATA OBJECTS	DATA ELEMENTS			
	Address Book Entries				
		Maximum Length			
		Regular Length, email, picture			
		Special Character			
		Blank Name			
		Regular Length, Deleted email - deleted picture			
		Deleted Entry			
		Foreign Entry			
	PIM Data				
		Maximum Length			
		Regular Length			
		Deleted Entry			
		Special Character			
	Call Logs				
		Missed			
		Missed - Deleted			
		Incoming			
		Incoming - Deleted			
		Outgoing			
		Outgoing - Deleted			
	Text Messages				
		Incoming SMS - Read			
		Incoming SMS - Unread			
		Incoming SMS - Deleted			
		Outgoing SMS			
		Outgoing SMS - Deleted			
		Incoming EMS - Read			
		Incoming EMS - Unread			
		Incoming Foreign EMS - Read			
		Incoming EMS - Deleted			
		Outgoing EMS			
		Outgoing EMS - Deleted			
	MMS Messages				
		Incoming Audio			
		Incoming Image			
		Incoming Video			
		Outgoing Audio			
		Outgoing Image			
		Outgoing Video			
	Stand-alone data files				
		Audio			
		Audio - Deleted Image			

	Image - Deleted			
	Video			
	Video - Deleted			
Log Highlights:	Created By .XRY Version 3.6 Acquisition started: Thu Apr 3 09:35:35 EDT 2008 Acquisition finished: Thu Apr 3 09:57:33 EDT 2008			
	Device connectivity was established via supported interface Readability and completeness of acquired data was successful All Call Logs (incoming, outgoing) were acquired			
Results:	Assertion & Expected Result	Actual		
		Result		
	A_IM-01 Device connectivity via supported interfaces.			
		Result		

### 5.2.8 CFT-IM-08 (Nokia 6101)

Test Case CF1	-IM-08 Micro Systemation	.XRY Version 3.6
Case		e device internal memory and review reported text
Summary:	messages.	-
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
	_	n-readable format via either a preview-pane or
		I-readable format via either a preview-pane or
	generated report.	
	_	prensic tool successfully completes acquisition of
	_	all text messages (i.e., SMS, EMS) messages shall b
	presented in a human-rea	adable format without modification.
Tester	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Thu Apr 3 09:05:39 EDT 2	2008
Device:	Nokia 6101	
Source	OS: WIN XP	
Setup:	Interface: USB	
	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
	DTM Data	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
	I aband alama data filan	
	Stand-alone data files	
	Stand-alone data liles	Audio
	Stand-alone data illes	Audio Audio - Deleted

	Image - Deleted	
	Video	
	Video - Deleted	
Log	Created By .XRY Version 3.6	
Highlights:	Acquisition started: Thu Apr 3 09:05:39 EDT 2008 Acquisition finished: Thu Apr 3 09:34:44 EDT 2008	
	Device connectivity was established via supported interface Readability and completeness of acquired data was successful ALL text messages (SMS, EMS) were acquired	
	All CCAC MCBBageb (BMB, BMB) were acquired	
Results:		Jatual
Results:	Assertion & Expected Result	Actual Result
Results:		
Results:	Assertion & Expected Result	Result

### 5.2.9 CFT-IM-09 (Nokia 6101)

Test Case CF	I-IM-09 Micro Systemation	.XRY Version 3.6
Case		e device internal memory and review reported MMS
Summary:		a (i.e., text, audio, graphics, video).
Assertions:	A_IM-01 If a cellular fo	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 target device then t	the tool shall have the ability to present acquired
	data elements in a human	n-readable format via either a preview-pane or
	generated report.	
	A_IM-17 If a cellular fo	orensic tool successfully completes acquisition of
	-	all MMS messages and associated audio shall be
	presented properly with	out modification.
		orensic tool successfully completes acquisition of
	-	all MMS messages and associated images shall be
	presented properly with	
		orensic tool successfully completes acquisition of
	_	all MMS messages and associated video shall be
	presented properly with	out modification.
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Thu Apr 3 10:15:44 EDT 2	2008
Device:	Nokia_6101	
Source	OS: WIN XP	
Setup:	Interface: cable	
	DATA OBJECTS	DATA ELEMENTS
	Address Book Entries	
		Maximum Length
		Regular Length, email, picture
		Special Character
		Blank Name
		Regular Length, Deleted email - deleted picture
		Deleted Entry
		Foreign Entry
	PIM Data	
		Maximum Length
		Regular Length
		Deleted Entry
		Special Character
	Call Logs	
		Missed
		Missed - Deleted
		Incoming
		Incoming - Deleted
		Outgoing
		Outgoing - Deleted
	Text Messages	ourgoing - Dereceu
	ICAL MESSAYES	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 Image Incoming Video

TEBU CASE CF.	I-IM-09 Micro Systemation .		
		Outgoing Image	
		Outgoing Video	
	Stand-alone data files		
		Audio	
		Audio - Deleted	-
		Image	-
		Image - Deleted	
		Video	
		Video - Deleted	
Log	Created By .XRY Version 3		
Highlights:	Acquisition started: Thu Apr 3 10:15:44 EDT 2008		
	Acquisition finished: Thu	u Apr 3 10:39:34 EDT 2008	
	-	established via supported interface	
		ness of acquired data was successful	
	ALL MMS messages (Audio,	Image, Video) were acquired	
	Notes:		
		was used to execute MMS attachments.	
	Quicklime Version 7.4.1 V	was used to execute MMS attachments.	
Results:			
	Assertion & Expected Rea	sult	Actual
			Result
	A_IM-01 Device connectiv	vity via supported interfaces.	as expected
	A_IM-04 Readability and	completeness of acquired data via	as expected
	supported reports.		
	A_IM-17 Acquisition of a	audio MMS messages.	as expected
	A_IM-18 Acquisition of	image MMS messages.	as expected
	A_IM-19 Acquisition of	video MMS messages.	as expected
		-	
7		1	
Analysis:	Expected results achieved		

## 5.2.10 CFT-IM-10 (Nokia 6101)

	<b>F-IM-10 Micro Systemation</b>	
Case		device internal memory and review reported stand-
Summary:		i.e., audio, graphics, video).
Assertions:		rensic tool provides support for connectivity of
	-	he tool shall successfully recognize the target
		pported 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.	vensis tool evenestullu sempletes semvisition of
		rensic tool successfully completes acquisition of
		ll stand-alone audio files shall be playable via
	modification.	cation or suggested third-party application without
		vensis tool evenestullu sempletes semvisition of
		rensic tool successfully completes acquisition of
		ll stand-alone image files shall be viewable via
	modification.	cation or suggested third-party application without
		unnais tool sussessfully somelator comminities of
		rensic tool successfully completes acquisition of ll stand-alone video files shall be viewable via
		cation or suggested third-party application without
	modification.	cacton of suggested child-party application Without
	modification.	
Tester	rpa	
Name:		
Test Host:	Morrisy	200
Test Date:	Thu Apr 3 11:56:48 EDT 20	JU8
Device:	Nokia_6101	
Source	OS: WIN XP	
Setup:	Interface: cable	
	DATA OBJECTS	DATA ELEMENTS
	Address Book Entries	
		Maximum Length
		Regular Length, email, picture
		Special Character
		Blank Name
		Regular Length, Deleted email - deleted picture
		Deleted Entry
		Foreign Entry
	PIM Data	
		Maximum Length
		Regular Length
		Deleted Entry
		Special Character
	Call Logs	
		Missed
		Missed - Deleted
		Incoming
		Incoming - Deleted
		Outgoing
		Outgoing - Deleted
	Text Messages	sasjoing perced
		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
		Outgoing EMS - Deleted
	MMS Messages	

	T-IM-10 Micro Systemation .XRY Version 3.6		
	Incoming Image		
	Incoming Video		
	Outgoing Audio		
	Outgoing Image		
	Outgoing Video		
	Stand-alone data files		
	Audio		
	Audio - Deleted		
	Image		
	Image - Deleted		
	Video		
	Video - Deleted		
Loq	Created By .XRY Version 3.6		
Highlights:	Acquisition started: Thu Apr 3 11:56:48 EDT 2008		
nightights.	Acquisition started: Thu Apr 3 11:56:48 EDT 2008 Acquisition finished: Thu Apr 3 12:09:33 EDT 2008		
	Acquisición finished. Ind Apr 5 12:09:55 EDI 2000		
	Device connectivity was established via supported interface		
	Readability and completeness of acquired data was successful		
	ALL stand-alone data files (Audio, Image, Video) were acquire		
	Notes:		
	QuickTime Version 7.4.1 was used to execute stand-alone files		
		5.	
		5.	
Demoltent	_	5.	
Results:	Assertion & Expected Result		
Results:	Assertion & Expected Result	Actual	
Results:		Actual Result	
Results:	A_IM-01 Device connectivity via supported interfaces.	Actual Result as expected	
Results:	A_IM-01 Device connectivity via supported interfaces. A_IM-04 Readability and completeness of acquired data via	Actual Result	
Results:	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:	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:	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:	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:	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	

## 5.2.11 CFT-IMO-01 (Nokia 6101)

Case	-IMO-01 Micro Systemation CFT-IMO-01 Acquire mobile	e device internal memory and review reported data
Summary:	via supported generated r	
Assertions:		prensic tool successfully completes acquisition of
		ne tool shall present the acquired data without
		ed generated report formats.
ester Name:	rpa	
est Host:	Morrisy	
est Date:	Fri Apr 11 08:40:04 EDT 2	2008
evice:	Nokia_6101	1000
ource	OS: WIN XP	
etup:	Interface: cable	
	DATA OBJECTS	DATA ELEMENTS
	Address Book Entries	
		Maximum Length
		Regular Length, email, picture
		Special Character
		Blank Name
		Regular Length, Deleted email - deleted picture
		Deleted Entry
		Foreign Entry
	PIM Data	
	FIM Data	Morrimum Longth
		Maximum Length
		Regular Length
		Deleted Entry
		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	
	Scand-arone data files	7
		Audio
		Audio - Deleted
		Image
		Image - Deleted
		Video
		Video - Deleted
		VIGEO - DETELEO
		Video - Dereced
		video - pereced

Test Case CFT	-IMO-01 Micro Systemation .XRY Version 3.6	
Highlights:	Acquisition started: Fri Apr 11 08:40:04 EDT 2008 Acquisition finished: Fri Apr 11 09:06:33 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	

## 5.2.12 CFT-IMO-02 (Nokia 6101)

Case	CFT-IMO-02 Micro Systemation CFT-IMO-02 Acquire mobil	e 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 previe	
ester Name:	rpa	
est Host:	Morrisy	
est Date:	Fri Apr 11 09:12:33 EDT	2008
evice:	Nokia_6101	
Source	OS: WIN XP	
Setup:	Interface: cable	
T	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
	DIM Data	FOLCIAN BUCLY
	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 - Defeted
	MMC Mooreare	Outgoing EMS - Deleted
	MMS Messages	Treseries 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
	<u> </u>	

Test Case CFT	-IMO-02 Micro Systemation .XRY Version 3.6	
Highlights:	Acquisition started: Fri Apr 11 09:12:33 EDT 2008 Acquisition finished: Fri Apr 11 09:25:20 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	

## 5.2.13 CFT-IMO-03 (Nokia 6101)

Test Case CFT-	IMO-03 Micro Systemation	.XRY Version 3.6
Case		e device internal memory and compare reported data
Summary:		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	ted data elements.
Tester Name:	rpa	
Fest Host:	Morrisy	
Test Date:	Fri Apr 11 09:26:40 EDT 2	2008
Device:	Nokia_6101	
Source	OS: WIN XP	
Setup:	Interface: cable	
	DATA OBJECTS	DATA ELEMENTS
	Address Book Entries	
		Maximum Length
		Regular Length, email, picture
		Special Character
		Blank Name
		Regular Length, Deleted email - deleted picture
		Deleted Entry
		Foreign Entry
	PIM Data	
		Maximum Length
		Regular Length
		Deleted Entry
		Special Character
	Call Logs	
		Missed
		Missed - Deleted
		Incoming
		Incoming - Deleted
		Outgoing
		Outgoing - Deleted
	Text Messages	
		Incoming SMS - Read
		Incoming SMS - Unread
		Incoming SMS - Deleted
		Outgoing SMS
		Outgoing SMS - Deleted
		Incoming EMS - Read
		Incoming EMS - Unread
		Incoming Foreign EMS - Read
		Incoming EMS - Deleted
	1	Outgoing EMS
		Outgoing EMS - Deleted
	MMC Maggagg	oursering mun perceed
	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	
	Video Bereted	
Log Highlights:	Created By .XRY Version 3.6 Acquisition started: Fri Apr 11 09:26:40 EDT 2008 Acquisition finished: Fri Apr 11 09:40:51 EDT 2008 Complete representation of known data via generated reports Complete representation of known data via preview-pane was s Consistency between generated reports and preview-pane was s	uccessful
Results:	Assertion & Expected Result	Actual Result
Results:	Assertion & Expected Result A_IMO-38 Comparison of known device data elements via generated reports.	
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

### 5.2.14 CFT-IMO-04 (Nokia 6101)

Case	C-IMO-04 Micro Systemation CFT-IMO-04 After a succes	ssful mobile device internal memory acquisition,		
Summary:		third party means and attempt to re-open the case.		
Assertions:		is attempted to the case file or individual data		
		means then the tool shall provide protection		
	mechanisms disallowing or reporting data modification.			
ester Name:	rpa			
est Host:	Morrisy			
est Date:	Fri Apr 11 09:42:14 EDT 2008			
evice:	Nokia_6101			
ource	OS: WIN XP			
etup:	Interface: cable			
ecup:	DATA OBJECTS	DATA ELEMENTS		
		DAIA ELEMENIS		
	Address Book Entries	Mandau Tanath		
		Maximum Length		
		Regular Length, email, picture		
		Special Character		
		Blank Name		
		Regular Length, Deleted email - deleted picture		
		Deleted Entry		
		Foreign Entry		
	PIM Data			
		Maximum Length		
		Regular Length		
		Deleted Entry		
		Special Character		
	Call Logs			
		Missed		
		Missed - Deleted		
		Incoming		
		Incoming - Deleted		
		Outgoing		
		Outgoing - Deleted		
	Text Messages			
		Incoming SMS - Read		
		Incoming SMS - Unread		
		Incoming SMS - Deleted		
		Outgoing SMS		
		Outgoing SMS - Deleted		
		Incoming EMS - Read		
		Incoming EMS - Unread		
		Incoming Foreign EMS - Read		
		Incoming EMS - Deleted		
		Outgoing EMS		
		Outgoing EMS - Deleted		
	MMS Messages			
		Incoming Audio		
		Incoming Image		
		Incoming Video		
		Outgoing Audio		
		Outgoing Image		
		Outgoing Video		
	Stand-alone data files			
		Audio		
		Audio - Deleted		
		Image		
		Image - Deleted		
		Video		
		Video - Deleted		

Test Case CFT	-IMO-04 Micro Systemation .XRY Version 3.6			
Highlights:	Acquisition started: Fri Apr 11 09:42:14 EDT 2008			
	Acquisition finished: Fri Apr 11 10:05:25 EDT 2008			
	Notification of modified case data was successful			
	<b>Notes:</b> Case File Encryption has to be selected before acquis.	ition.		
Results:				
	Assertion & Expected Result	Actual Result		
	A_IMO-41 Notification of modified device case data.	as expected		
Analysis:	Expected results achieved			

## 5.2.15 CFT-IMO-07 (Nokia 6101)

Case	<b>I-IMO-07 Micro Systemation</b> CFT-IMO-07 Create a SIM	access card via vendor documentation.			
Summary:					
Assertions:	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. Access cards characteristics should be consistent				
	with vendor documentatio	n.			
Tester	rpa				
Name:					
Test Host:	Morrisy				
Test Date:	Fri Apr 11 11:00:15 EDT 2008				
Device:	TMOBILE_SIM				
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			
	Tout Modas ses	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 Deleted			
		Image - Deleted			
		Video			
	11	Video - Deleted			

Test Case CFT	-IMO-07 Micro Systemation .XRY Ver	rsion 3.6	
Log Highlights:	Created By .XRY Version 3.6 Acquisition started: Fri Apr 11 11:00:15 EDT 2008 Acquisition finished: Fri Apr 11 11:02:23 EDT 2008 Access card creation was successful		
Results:			
	Assertion & Expected Result	Actual Result	
	A_IMO-51 Access card creation.	as expected	
Analysis:	Expected results achieved		

# 5.2.16 CFT-IMO-08 (Nokia 6101)

Case	CFT-IMO-08 Acquire mobil	le device internal memory and review generated log				
Summary:	files.					
Assertions:	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.					
Tester Name:	rpa					
Test Host:	Morrisy					
Test Date:	Fri Apr 11 11:04:15 EDT 2008					
Device:	Nokia_6101					
Source	OS: WIN XP					
Setup:	Interface: cable					
	DATA OBJECTS	DATA ELEMENTS				
	Address Book Entries					
		Maximum Length				
		Regular Length, email, picture				
		Special Character				
		Blank Name				
		Regular Length, Deleted email - deleted picture				
		Deleted Entry				
	DIM Data	Foreign Entry				
	PIM Data	Marinum Longth				
		Maximum Length Regular Length				
		Deleted Entry				
		Special Character				
	Call Logs	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				
	Stand along data files	Outgoing Video				
	Stand-alone data files	audio.				
		Audio Audio - Deleted				
		Arden - Derered				
		Image Image - Deleted Video Video - Deleted				

Test Case CFT	1		ion .XRY Version 3.6		
Log	Created By .XRY Version 3.6				
Highlights:	Acquisition started: Fri Apr 11 11:04:15 EDT 2008				
	Acquisition finished: Fri Apr 11 11:25:12 EDT 2008				
	Creation of complete and human-readable log files was successful				
		-			
	Notes: XRY Log				
	Module	Status	Message		
	MAIN MAIN	Success	Initiating Process .XRY Version 3.6		
	MAIN	Success Success	Connected to SoftGSM NG USB Modem #5 [COM9]		
	MAIN	Success	Device Name: Nokia 6101		
	MAIN	Success	CGMI Resp = [Nokia]		
	MAIN	Success	CGMM Resp = [Nokia 6101]		
	MAIN	Success	CGMR Resp = [V 03.3508-06-05RM-76(c) Nokia. ]		
	MAIN	Success	I3 Resp = [Nokia 6101]		
	MAIN	Success	Starting process of GSM0707 (3.1)		
		7 Success	Connecting		
		7 Success	Analyzing General Information		
		7 Success	Reading General Information		
		7 Success	Disconnecting		
	MAIN MAIN	Success Success	GSM0707 (3.1) completed successfully Starting process of FBUS (3.1)		
	FBUS	Success	Connecting		
	FBUS	Success	Analyzing		
	FBUS	Success	Reading General Information		
	FBUS	Success	Analyzing Contacts ME		
	FBUS	Success	Reading Contacts		
	FBUS	Success	Analyzing Contacts SM		
	FBUS	Success	Reading Contacts		
	FBUS	Success	Analyzing Calls		
	FBUS	Success	Reading Calls		
	FBUS	Success	Reading Calls		
	FBUS FBUS	Success Success	Reading Calls Analyzing Calendar		
	FBUS	Success	Reading Calendar		
	FBUS	Success	Analyzing SMS		
	FBUS	Success	Reading SMS		
	FBUS	Success	Reading Inbox		
	FBUS	Success	Reading Sent items		
	FBUS	Success	Reading Saved text msgs.		
	FBUS	Success	Reading Templates		
	FBUS	Success	Reading Outbox		
	FBUS	Success	Reading Outbox		
	FBUS	Success	Analyzing Tasks Analyzing Notes		
	FBUS FBUS	Success Success	Reading Notes		
	FBUS	Success	Analyzing Files		
	FBUS	Success	Analyzing predefgallery		
	FBUS	Success	Analyzing predefgallery/predeftones		
	FBUS	Success	Analyzing predefgallery/predeftones/predefringtones		
	FBUS	Success	Analyzing predefgallery/predeftones/predefalerttones		
	FBUS	Success	Analyzing predefgallery/predefgraphics		
	FBUS	Success	Analyzing		
	_		graphics/predefwallpapers		
	FBUS	Success	Analyzing		
	FBUS	gallery/predeig Success	<pre>graphics/predefscreensavers Analyzing predefgallery/predefgraphics/predefcliparts</pre>		
	FBUS	Success	Analyzing predefgallery/predefgraphics/predefframes		
	FBUS	Success	Analyzing predergallery/predergraphics/prederframes		
			graphics/predefpresencelogo		
	FBUS	Success	Analyzing predefgallery/predefthemes		
	FBUS	Success	Analyzing predefgallery/predefthemeactive		
	FBUS	Success	Analyzing		
	predef	gallery/predeft	hemeactive/themes_setup1		
	FBUS	Success	Analyzing predefgallery/predefphotos		
	FBUS	Success	Analyzing predefgallery/predefvideos		

Test Case CFT-IMO-08	Micro Systemat	tion .XRY Version 3.6
FBUS	Success	Analyzing predefgallery/predefrecordings
FBUS	Success	Analyzing predefgallery/predefreceived
FBUS	Success	Analyzing predefgallery/predefthemepreview
FBUS	Success	Analyzing predefgallery/predefthemepreview/Thumbnails
FBUS	Success	Analyzing predefinfofolder
FBUS	Success	Analyzing predefomadm
FBUS	Success	Analyzing predefomadm/PRECFG
FBUS	Success	Analyzing predefomadm/01
FBUS	Success	Analyzing predefomadm/01/19
FBUS	Success	Analyzing predefomadm/01/01
FBUS	Success	Analyzing predefomadm/01/02
FBUS	Success	Analyzing predefomadm/01/03
FBUS	Success	Analyzing predefomadm/01/04
FBUS	Success	Analyzing predefomadm/02
FBUS	Success	Analyzing predefomadm/02/19
FBUS	Success	Analyzing predefomadm/02/01
FBUS	Success	Analyzing predefomadm/02/02
FBUS	Success	Analyzing predefomadm/02/03
FBUS	Success	Analyzing predefomadm/02/04
FBUS	Success	Analyzing predefjava
FBUS	Success	Analyzing predefjava/predefcollections
FBUS	Success	Analyzing predefjava/predefgames
FBUS	Success	Analyzing predefhiddenfolder
FBUS	Success	Analyzing predefhiddenfolder/predefWVPreload
FBUS	Success	Analyzing predefhiddenfolder/predefdrmrights
FBUS	Success	Analyzing predefhiddenfolder/predefpbimgs
FBUS	Success	Analyzing predefhiddenfolder/predefvoicemodels
FBUS	Success	Analyzing predefhiddenfolder/predefvoiceprompts
FBUS	Success	Analyzing predefhiddenfolder/predefwvlogos
FBUS	Success	Analyzing predefhiddenfolder/predefmenus
FBUS	Success	Analyzing predefmenuapps
FBUS	Success	Analyzing predefmenuapps/predefemail
FBUS	Success	Analyzing predefmenuapps/predefsms
FBUS	Success	Analyzing predefmenuapps/predefimclient
FBUS	Success	Analyzing predefmessages
FBUS	Success	Analyzing predefmessages/predefinbox
FBUS	Success	Analyzing predefmessages/predefoutbox
FBUS	Success	Analyzing predefmessages/predefsent
FBUS	Success	Analyzing predefmessages/predefdrafts
FBUS	Success	Analyzing predeftemp
FBUS	Success	Analyzing predeffiledownload
FBUS	Success	Analyzing HTTP
FBUS	Success	Analyzing HTTP/opmenu
FBUS	Success	Analyzing HTTP/cookie
FBUS	Success	Analyzing HTTP/cache
FBUS	Success	Analyzing predefsyncml
FBUS	Success	Analyzing predefcalendar
FBUS	Success	Analyzing serviceapplication
FBUS	Success	Reading User Content Package r
FBUS	Success	Reading FIM_perm_id
FBUS	Success	Reading FIM_fixed_id
FBUS	Success	Reading Acrobatics.mid
FBUS	Success	Reading Caribbean.mid
FBUS	Success	Reading Cycle.mid
FBUS	Success	Reading Espionage.mid
FBUS	Success	Reading Farewell.mid
FBUS	Success	Reading Jig.mid
FBUS	Success	Reading Low.mid
FBUS	Success	Reading Nokia tune.mid
FBUS	Success	Reading Nocturnal.mid
FBUS	Success	Reading Repose.mid
FBUS	Success	Reading River cruise.mid
FBUS	Success	Reading Swept away.mid
FBUS	Success	Reading Robotique.mp3
FBUS	Success	Reading Playing_tricks.mp3
FBUS	Success	Reading Fete.mp3
FBUS	Success	Reading Cackle.mp3
FBUS	Success	Reading Graffiti.mp3
FBUS	Success	Reading Message 1.mid
FBUS	Success	Reading Message 2.mid
FBUS	JULLEBB	Reading Message 2. Mitu

Test Case CFT-IMO-08 M			
			Message 3.mid
			Message 4.mid
		-	Splash.jpg
		-	Flower.jpg
		-	Marbles.jpg
			Mountains.jpg
		-	Pink.jpg
			Colors.jpg
		-	Golden Years.jpg
		-	Goldfish.jpg Vintage.jpg
			Cells.gif
		-	Neon.gif
		-	Clip-art05.gif
			Clip-art06.gif
			Clip-art01.gif
		-	Clip-art02.gif
		-	Clip-art03.gif
FBUS			Clip-art04.gif
FBUS			Clip-art07.gif
FBUS			Clip-art08.gif
FBUS		-	Clip-art09.gif
		5	Clip-art10.gif
		-	Frame01.gif
		-	Frame02.gif
			Frame03.gif
			Frame04.gif
		-	Frame05.gif
		9	Frame06.gif
		5	Frame07.gif Frame08.gif
		-	Frame09.gif
		-	Frame10.gif
			Pres_01.gif
			Pres_02.gif
		-	Pres_04.gif
		-	Pres_03.gif
FBUS	Success	Reading	Pres_05.gif
FBUS	Success	Reading	Pres_06.gif
			Pres_07.gif
		-	Pres_08.gif
		-	Pres_09.gif
		-	Pres_10.gif
		-	Window.nth
		-	Circle.nth Pagia pth
		-	Basic.nth themes.ini
			theme_descriptor.xml
			Window_ss.gif
			Window_wp.jpg
		-	Window_wp_mini.jpg
			Nokia_tune.mid
			large_thumbnail.gif
FBUS			small_thumbnail.gif
		Reading	Window_bk_mini.png
FBUS			Window_bk.png
		-	Sunset.jpg
		9	emma.jpg
		-	Video000.3gp
			Video001.3gp
			chare.wav
			french.mp3
			SuiteConf.xml
			bootstrap_app_no_network USER_DATA
		Reading	

Test Case CFT-IMC	0-08 Micro Systematic	on .XRY V	Version 3.6
FBU		Reading	
FBU	US Success	Reading	HLOG
FBU	US Success	Reading	01
FBU		Reading	
FBU			kqq_en_zh-CN_zh-TW.jad
FBU FBU		-	kqq_en_zh-CN_zh-TW.jar soli_en_zh-CN_zh-TW.jad
FBU		-	soli_en_zh-CN_zh-TW.jac
FBU		-	gtour en zh-CN zh-TW.jad
FBU		9	gtour_en_zh-CN_zh-TW.jar
FBU		-	pipe_en_zh-CN_zh-TW.jad
FBU			pipe_en_zh-CN_zh-TW.jar
FBU			_jmr_suite_list_file.jmr
FBU	US Success	Reading	_jmr_suite_attrib_file.jmr
FBU	US Success	Reading	_jmr_suite_contents_file.jmr
FBU	US Success	Reading	jps_connection_registry_file.reg
FBU			jps_timer_registry_file.reg
FBU		-	UPF_General_data
FBU		-	UPF_Silent_data
FBU		-	UPF_Meeting_data
FBU		-	UPF_Outdoor_data
FBU			UPF_Mystyle1_data
FBU		Reading Reading	UPF_Mystyle2_data
FBU		Reading	-
FBU		Reading	5
FBU		Reading	2
FBU		-	PBImg.jpeg
FBU		-	PBImg000.jpeg
FBU		-	emcl3_en_zh-CN_zh-TW.jad
FBU			emcl3_en_zh-CN_zh-TW.jar
FBU	US Success	Reading	6 34631B47250 22+12404213651 •
TYP	PE=PLMN1	5	
FBU	US Success	Reading	C 34631DE1250 22+12404213651 •
TYP	PE=PLMN1	-	
FBU	US Success	Reading	9 34631C7A250 22+12404213651 •
TYP	PE=PLMN1		
FBU	US Success	Reading	1 34630EE6210 202404470381 • TYPE=PLMN1
FBU	US Success	Reading	2 3463109B210 202404470381 "TYPE=PLMN1
FBU		Reading	
FBU		5	CYRL2WfUgTu4D7Ocy.hdr
FBU			CYRL2WfUqTu4D70cy.dat
FBU		9	C2LZoveTPg9GqyzDF.hdr
FBU			C2LZoveTPg9GqyzDF.dat
FBU		Disconne	
MAI			1) completed successfully
MAI			ng completed successfully.
MAI		-	ocessing time: 10 minutes, 11 seconds
MAI			read to General Information folder
MAI			read to Contacts folder
MAI			read to Calendar folder
MAI			read to Notes folder
MAI			read to SMS folder
MAI MAI			read to MMS folder s read to Pictures folder
MAI			read to Pictures folder
MAI			read to Audio folder
MAI			read to Files folder
Results:	ssertion & Expected I	Result	Actual Result
	_IMO-52 Device Log f		
			<u>*</u>
Analysis: Exp	pected results achiev	ved	

### 5.2.17 CFT-IMO-09 (Nokia 6101)

	-IMO-09 Micro Systemation				
Case	-	le device internal memory and review data containing			
Summary:	foreign language charac				
Assertions:		forensic tool successfully completes acquisition of			
	-	the tool shall present the acquired data without			
		ted generated report formats.			
		forensic tool successfully completes acquisition of			
		the tool shall present the acquired data without			
	modification in a previ				
		r forensic tool supports proper display of foreign			
		then the application should present address book			
	-	ign language characters in their native format			
	without modification.				
		r forensic tool supports proper display of foreign			
	language character sets then the application should present text messages				
		uage characters in their native format without			
	modification.				
Tester	rpa				
Name:					
Test Host:	Morrisy	0000			
Test Date:	Fri Apr 11 11:26:14 EDT	2008			
Device:	Nokia_6101 OS: WIN XP				
Source					
Setup:	Interface: cable				
	DATA OBJECTS	DATA ELEMENTS			
	Address Book Entries				
		Maximum Length			
		Regular Length, email, picture			
		Special Character			
		Blank Name			
		Regular Length, Deleted email - deleted picture			
		Deleted Entry			
		Foreign Entry			
	PIM Data				
		Maximum Length			
		Regular Length			
		Deleted Entry			
		Special Character			
	Call Logs				
		Missed			
		Missed - Deleted			
		Incoming			
		Incoming - Deleted			
		Outgoing			
		Outgoing - Deleted			
	Text Messages				
		Incoming SMS - Read			
		Incoming SMS - Unread			
		Incoming SMS - Deleted			
		Outgoing SMS			
		Outgoing SMS - Deleted			
		Incoming EMS - Read			
		Incoming EMS - Unread			
		Incoming Foreign EMS - Read			
		Incoming EMS - Deleted			
		Outgoing EMS			
		Outgoing EMS - Deleted			
	MMS Messages				
		Incoming Audio			
		Incoming Image			
		Incoming Video			
		Outgoing Audio			
		Outgoing Image			
		Outgoing Video			

	Stand-alone data files	
	Audio	
	Audio - Deleted	
	Image	
	Image - Deleted	
	Video	
	Video - Deleted	
Log Highlights:	Created By .XRY Version 3.6 Acquisition started: Fri Apr 11 11:26:14 EDT 2008 Acquisition finished: Fri Apr 11 11:35:11 EDT 2008	
	Complete representation of known data via generated reports Complete representation of known data via preview-pane was s Foreign character Address book entries were acquired and pro Foreign character text messages were acquired and properly d	successful operly displaye
Results:	Complete representation of known data via preview-pane was s Foreign character Address book entries were acquired and pro	successful operly displayed displayed Actual
Results:	Complete representation of known data via preview-pane was s Foreign character Address book entries were acquired and pro Foreign character text messages were acquired and properly d	successful operly displayed displayed
Results:	Complete representation of known data via preview-pane was s Foreign character Address book entries were acquired and pro Foreign character text messages were acquired and properly d Assertion & Expected Result A_IMO-38 Comparison of known device data elements via	successful operly displayed displayed Actual Result
Results:	Complete representation of known data via preview-pane was as Foreign character Address book entries were acquired and properly de Foreign character text messages were acquired and properly de 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 preview-pane. A_IMO-53 Acquisition of address book entries containing	successful operly displayed displayed Actual Result as expected
Results:	Complete representation of known data via preview-pane was as Foreign character Address book entries were acquired and properly d Foreign character text messages were acquired and properly d 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 preview-pane.	Actual Result as expected
Results:	Complete representation of known data via preview-pane was as Foreign character Address book entries were acquired and properly de Foreign character text messages were acquired and properly de 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 preview-pane. A_IMO-53 Acquisition of address book entries containing foreign language characters. A_IMO-54 Acquisition of outgoing text messages containing	Actual Result as expected as expected as expected

## 5.2.18 CFT-IMO-11 (Nokia 6101)

Test Case CFT	-IMO-11 Micro Systemation	.XRY Version 3.6			
Case		e device internal memory and review hash values for			
Summary:	vendor supported data ob	jects.			
Assertions:	A_IMO-38 If a cellular f	prensic tool successfully completes acquisition of			
		he tool shall present the acquired data without			
	modification via supported generated report formats.				
		prensic tool successfully completes acquisition of			
	_	he 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.				
Tester Name:	rpa				
Test Host:	Morrisy				
Test Date:	Fri Apr 11 11:48:13 EDT	2008			
Device:	Nokia_6101				
Source	OS: WIN XP				
Setup:	Interface: cable				
	DATA OBJECTS	DATA ELEMENTS			
	Address Book Entries				
		Maximum Length			
		Regular Length, email, picture			
		Special Character			
		Blank Name			
		Regular Length, Deleted email - deleted picture			
		Deleted Entry			
		Foreign Entry			
	PIM Data				
		Maximum Length			
		Regular Length			
		Deleted Entry			
		Special Character			
	Call Logs	Special character			
		Missed			
		Missed - Deleted			
		Incoming			
		Incoming - Deleted			
		Outgoing			
		Outgoing - Deleted			
	Tout Magazana	Ourgoing - Dereced			
	Text Messages	Incoming (MG Dead			
		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	ourgoing video			
	Stand-alone data files	nudio.			
		Audio			
		Audio - Deleted			
	11	Image			

Test Case CF1	C-IMO-11 Micro Systemation .XRY Version 3.6	
	Image - Deleted	
	Video	
	Video - Deleted	
Log Highlights: Created By .XRY Version 3.6 Acquisition started: Fri Apr 11 11:48:13 EDT 2008 Acquisition finished: Fri Apr 11 12:01:34 EDT 2008 Complete representation of known data via generated reports was suc Complete representation of known data via preview-pane was successf Device hash reporting for individual acquired data elements was suc Notes:		successful s was successful
Results:	SHA1 and MD5 hashes were successfully calculated for pictu: and stand-alone files. Assertion & Expected Result	res, video, audio
		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-56 Device hash reporting for individual acquired data objects.	as expected
Analysis:	Expected results achieved	

Test Case CFT	2-SIM-01 Micro Systemation .XRY Versio	<u> </u>	
Case	CFT-SIM-01 Acquire SIM over supporte		., PC/SC reader,
Summary:	proprietary reader).		
Assertions:	A_SIM-23 If a cellular forensic tool the target SIM then the tool shall a via all vendor supported interfaces reader).	successfully recog	nize the target SIM
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Thu Apr 3 12:32:32 EDT 2008		
Device:	TMOBILE_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	aled (LND)
	Text Messages		
		Incoming SMS - H	Read
		Incoming SMS - H	
		Incoming SMS - I	Deleted
		Incoming SMS - U	Jnread
		Incoming Foreigr	n EMS - Read
		Incoming EMS - I	Deleted
Log	Created By .XRY Version 3.6		
Log Highlights:	Acquisition started: Thu Apr 3 12:32	2:32 ፹፲፹ 2008	
	Acquisition finished: Thu Apr 3 12:32		
	Acquisicion rinished, ind Abr 2 12.	0005 IUI 2000	
	Media connectivity was established w	via supported inte	rface
Results:			Detroit Demails
	Assertion & Expected Result		Actual Result
	A_SIM-23 SIM connectivity via suppo	orted interfaces.	as expected
Analysis:	Expected results achieved		
÷	-		

### 5.2.19 CFT-SIM-01 (T-Mobile SIM)

J.Z.ZU		
Test Case CFI	-SIM-02 Micro Systemation .XRY Versio	
Case	CFT-SIM-02 Attempt acquisition of a	non-supported SIM.
Summary:		
Assertions:		l attempts to connect to a non-supported
		ility to identify that the SIM is not
	supported.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Thu Apr 3 12:38:38 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 - 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 EMS - Dereced
Log	Created By .XRY Version 3.6	
Highlights:	Acquisition started: Thu Apr 3 12:3	8:38 EDT 2008
	Acquisition finished: Thu Apr 3 12:	40:04 EDT 2008
	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
Prove la contra t		
Analysis:	Expected results achieved	

#### 5.2.20 CFT-SIM-02 (T-Mobile SIM)

### 5.2.21 CFT-SIM-03 (T-Mobile SIM)

Test Case Cam	-SIM-03 Micro Systemation .XRY Version	,	
Case	CFT-SIM-03 Begin SIM acquisition and		ivity by interface
Summary:	disengagement.	THEET upt Connect	IVILY by Incertace
Assertions:	A_SIM-23 If a cellular forensic tool provides support for connectivity of		
ASSELCIOUS	the target SIM then the tool shall su		
	via all vendor supported interfaces (		-
	reader).	c.g., ic, be icade	i, propriedary
	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:	Thu Apr 3 12:41:18 EDT 2008		
Device:	TMOBILE_SIM		
Source	OS: WIN XP		
Setup:	Interface: USB		
	DATA OBJECTS	DATA ELEMENTS	
	Abbreviated Dialing Numbers (ADN)		
		Maximum Length	
		Special Character	r
		Blank Name	
		Regular Length -	Deleted Number
		Foreign Entry	
	Call Logs		
		Last Numbers Dia	led (LND)
	Text Messages		
		Incoming SMS - Re	
		Incoming SMS - Fo	oreign
		Incoming SMS - De	
		Incoming SMS - Ur	
		Incoming Foreign	
		Incoming EMS - De	eleted
Log	Created By .XRY Version 3.6	10	
Highlights:	Acquisition started: Thu Apr 3 12:41:		
	Acquisition finished: Thu Apr 3 12:42	2.43 EDI 2008	
	Media connectivity was established vi	a supported inter	face
	Media acquisition disruption notifica		
	Media acquisición distupción nocifica	CION Was Successi	ui
Results:			
	Assertion & Expected Result		Actual Result
	A_SIM-23 SIM connectivity via suppor	ted interfaces	as expected
	A_SIM-25 Notification of SIM acquisi		as expected
	I I I NOCIFICACIÓN OF DIM ACQUIDI	arbraperon.	as enpected
Analysis:	Expected results achieved		

### 5.2.22 CFT-SIM-04 (T-Mobile SIM)

		1	
	-SIM-04 Micro Systemation .XRY Versio		
Case	CFT-SIM-04 Attempt acquisition on a	password-protected SIM.	
Summary:			
Assertions:	A_SIM-23 If a cellular forensic too		-
	the target SIM then the tool shall s		
	via all vendor supported interfaces	(e.g., PC/SC reader, pro	oprietary
	reader).	tested then the sellular	fawawaia baal
	A_SIM-26 If the SIM is password-prot shall provide the examiner with the		
	acquisition.	opportunity to input the	e PIN DELOIE
	acquisición.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Thu Apr 3 12:44:22 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 - 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	_
		Incoming Foreign EMS -	
		Incoming EMS - Deleted	
Log	Created By .XRY Version 3.6		
Highlights:	Acquisition started: Thu Apr 3 12:44	4.22 ₽07 2008	
IIIgIIIIgiics.	Acquisition finished: Thu Apr 3 12:4		
	nequipición rimbneus ina npr 5 12.	13-17 ED1 2000	
	Media connectivity was established	via supported interface	
	Ability to enter PIN on protected me		was successful
		-	
Results:			
	Assertion & Expected Result		Actual Result
	A_SIM-23 SIM connectivity via supp	orted interfaces.	as expected
	A_SIM-26 Password entry before acq		as expected
	SIMs.		
	-		
Analysis:	Expected results achieved		

5.2.23	CFI-SIM-05 (I-Mobile 3	51171)	
Test Case CFT	-SIM-05 Micro Systemation .XRY Version	1 3.6	
Case	CFT-SIM-05 Acquire SIM internal memor	ry and review reported da	ta via the
Summary:	preview-pane or generated reports for	r readability.	
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-27 If a cellular forensic tool	accessfully recognize the (e.g., PC/SC reader, prop	e target SIM prietary
	the target SIM then the tool shall had data in a human-readable format via e report.	ave the ability to presen	t acquired
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Thu Apr 3 12:47:19 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 (LNI	))
	Text Messages		
		Incoming SMS - Read	
		Incoming SMS - Foreign	
		Incoming SMS - Deleted	
		Incoming SMS - Unread	
		Incoming Foreign EMS - H	Read
		Incoming EMS - Deleted	
Log Highlights:	Created By .XRY Version 3.6 Acquisition started: Thu Apr 3 12:47:	:19 EDT 2008	
	Acquisition finished: Thu Apr 3 12:48		
	Media connectivity was established vi Readability and completeness of acqui		
Results:			1
	Assertion & Expected Result		Actual Result
	A_SIM-23 SIM connectivity via support	rted interfaces.	as expected
	A_SIM-27 Readability and completenes supported reports.	ss of acquired data via	as expected
Analysis:	Expected results achieved		

#### 5.2.23 CFT-SIM-05 (T-Mobile SIM)

### 5.2.24 CFT-SIM-06 (T-Mobile SIM)

Case	-SIM-06 Micro Systemation .XRY Versio	on 3.6	
Cube	CFT-SIM-06 Acquire SIM internal memo		ubscriber and
Summary:	equipment related information (i.e., SPN, ICCID, IMSI, MSISDN).		
Assertions:	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	prietary
	reader).		· -
	A_SIM-27 If a cellular forensic tool	l successfully completes a	acquisition of
	the target SIM then the tool shall h		
	data in a human-readable format via		
	report.	1	
	A_SIM-28 If a cellular forensic tool	l successfully completes a	acquisition of
	the target SIM then the SPN shall be		-
	without modification.		
	A_SIM-29 If a cellular forensic tool	l successfully completes a	acquisition of
	the target SIM then the ICCID shall		
	without modification.	I III III IIII IIII IIII	
	A_SIM-30 If a cellular forensic tool	l successfully completes a	acquisition of
	the target SIM then the IMSI shall b	presented in a human-re	eadable format
	without modification.		
	A_SIM-31 If a cellular forensic tool	l successfully completes a	acquisition of
	the target SIM then the MSISDN shall		-
	format without modification.		_ 5444010
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Thu Apr 3 12:49:21 EDT 2008		
Device:	TMOBILE_SIM		
Source	OS: WIN XP		
Setup:	Interface: USB		
<del> T</del> -	DATA OBJECTS	DATA ELEMENTS	
	Abbreviated Dialing Numbers (ADN)		
	ADIN)	Maximum Length	
		Special Character	
		Blank Name	
			d Number
		Regular Length - Delete	
		Foreign Entry	
	Call Logs	Last Numbers Dialed (IN	
	Tout Magazas	Last Numbers Dialed (LN	ן ע
	Text Messages	Transford (MC Dist	
		Incoming SMS - Read	
		Incoming SMS - Foreign	
		Incoming SMS - Deleted	
		Incoming SMS - Unread	
		Incolling blib on caa	
		Incoming Foreign EMS - 1	Read
		7	Read
		Incoming Foreign EMS - 1	Read
		Incoming Foreign EMS - 1	Read
		Incoming Foreign EMS - 1	Read
Log	Created By .XRY Version 3.6	Incoming Foreign EMS - 1	Read
Log Highlights:	Created By .XRY Version 3.6 Acquisition started: Thu Apr 3 12:49	Incoming Foreign EMS - Incoming EMS - Deleted	Read
-		Incoming Foreign EMS - Incoming EMS - Deleted	Read
-	Acquisition started: Thu Apr 3 12:49	Incoming Foreign EMS - Incoming EMS - Deleted	Read
-	Acquisition started: Thu Apr 3 12:49	Incoming Foreign EMS - Incoming EMS - Deleted 9:21 EDT 2008 52:03 EDT 2008	Read
-	Acquisition started: Thu Apr 3 12:49 Acquisition finished: Thu Apr 3 12:49	Incoming Foreign EMS - Incoming EMS - Deleted 9:21 EDT 2008 52:03 EDT 2008 via supported interface	
-	Acquisition started: Thu Apr 3 12:49 Acquisition finished: Thu Apr 3 12:9 Media connectivity was established	Incoming Foreign EMS - Incoming EMS - Deleted 9:21 EDT 2008 52:03 EDT 2008 via supported interface uired data was successful	
-	Acquisition started: Thu Apr 3 12:49 Acquisition finished: Thu Apr 3 12:49 Media connectivity was established Readability and completeness of acqu	Incoming Foreign EMS - Incoming EMS - Deleted 9:21 EDT 2008 52:03 EDT 2008 via supported interface uired data was successful	
Highlights:	Acquisition started: Thu Apr 3 12:49 Acquisition finished: Thu Apr 3 12:49 Media connectivity was established Readability and completeness of acqu	Incoming Foreign EMS - Incoming EMS - Deleted 9:21 EDT 2008 52:03 EDT 2008 via supported interface uired data was successful	
Highlights:	Acquisition started: Thu Apr 3 12:49 Acquisition finished: Thu Apr 3 12:49 Media connectivity was established Readability and completeness of acqu	Incoming Foreign EMS - Incoming EMS - Deleted 9:21 EDT 2008 52:03 EDT 2008 via supported interface uired data was successful	
Highlights:	Acquisition started: Thu Apr 3 12:49 Acquisition finished: Thu Apr 3 12:9 Media connectivity was established Readability and completeness of acqu All subscriber-related data (i.e., s	Incoming Foreign EMS - Incoming EMS - Deleted 9:21 EDT 2008 52:03 EDT 2008 via supported interface uired data was successful	was acquired
Highlights:	Acquisition started: Thu Apr 3 12:49 Acquisition finished: Thu Apr 3 12:59 Media connectivity was established of Readability and completeness of acqu All subscriber-related data (i.e., s Assertion & Expected Result	Incoming Foreign EMS - Incoming EMS - Deleted 9:21 EDT 2008 52:03 EDT 2008 via supported interface uired data was successful SPN, ICCID, IMSI, MSISDN)	was acquired Actual Result
Log Highlights: Results:	Acquisition started: Thu Apr 3 12:49 Acquisition finished: Thu Apr 3 12:9 Media connectivity was established Readability and completeness of acqu All subscriber-related data (i.e., s	Incoming Foreign EMS - Incoming EMS - Deleted 9:21 EDT 2008 52:03 EDT 2008 via supported interface uired data was successful SPN, ICCID, IMSI, MSISDN)	was acquired
Highlights:	Acquisition started: Thu Apr 3 12:49 Acquisition finished: Thu Apr 3 12:49 Media connectivity was established of Readability and completeness of acqu All subscriber-related data (i.e., S Assertion & Expected Result A_SIM-23 SIM connectivity via supp A_SIM-27 Readability and completent	Incoming Foreign EMS - Incoming EMS - Deleted 9:21 EDT 2008 52:03 EDT 2008 via supported interface uired data was successful SPN, ICCID, IMSI, MSISDN)	was acquired Actual Result as expected
Highlights:	Acquisition started: Thu Apr 3 12:49 Acquisition finished: Thu Apr 3 12:49 Media connectivity was established of Readability and completeness of acqu All subscriber-related data (i.e., S Assertion & Expected Result A_SIM-23 SIM connectivity via supp A_SIM-27 Readability and completene supported reports.	Incoming Foreign EMS - Incoming EMS - Deleted 9:21 EDT 2008 52:03 EDT 2008 via supported interface uired data was successful SPN, ICCID, IMSI, MSISDN)	was acquired Actual Result as expected as expected
Highlights:	Acquisition started: Thu Apr 3 12:49 Acquisition finished: Thu Apr 3 12:49 Media connectivity was established of Readability and completeness of acqu All subscriber-related data (i.e., S Assertion & Expected Result A_SIM-23 SIM connectivity via supp A_SIM-27 Readability and completent	Incoming Foreign EMS - Incoming EMS - Deleted 9:21 EDT 2008 52:03 EDT 2008 via supported interface uired data was successful SPN, ICCID, IMSI, MSISDN)	was acquired Actual Result as expected

Test Case CFT	-SIM-06 Micro Systemation .XRY Version 3.6	
	A_SIM-31 Acquisition of MSISDN.	as expected
Analysis:	Expected results achieved	

### 5.2.25 CFT-SIM-07 (T-Mobile SIM)

Test Gene (TT		
	-SIM-07 Micro Systemation .XRY Version 3.6	- 1
Case	CFT-SIM-07 Acquire SIM internal memory and review reported A	obreviated
Summary:	Dialing Numbers (ADNs).	
Assertions:	A_SIM-23 If a cellular forensic tool provides support for conthe target SIM then the tool shall successfully recognize the via all vendor supported interfaces (e.g., PC/SC reader, propreader).	e target SIM
	A_SIM-27 If a cellular forensic tool successfully completes a the target SIM then the tool shall have the ability to presen data in a human-readable format via either preview-pane or go	nt acquired
	report. A_SIM-32 If a cellular forensic tool successfully completes a the target SIM then all Abbreviated Dialing Numbers (ADN) sha presented in a human-readable format without modification.	-
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Thu Apr 3 12:58:47 EDT 2008	
Device:	TMOBILE_SIM	
Source	OS: WIN XP	
Setup:	Interface: USB	
secup.		
	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 -	Read
	Incoming EMS - Deleted	
Loq	Created By .XRY Version 3.6	
Highlights:	Acquisition started: Thu Apr 3 12:58:47 EDT 2008 Acquisition finished: Thu Apr 3 13:02:16 EDT 2008	
	Media connectivity was established via supported interface Readability and completeness of acquired data was successful All ADNs were acquired	
Results:		
	Assertion & Expected Result	Actual
		Result
	A_SIM-23 SIM connectivity via supported interfaces.	as expected
	A SIM-27 Readability and completeness of acquired data via	as expected
	supported reports.	as enpected
	A_SIM-32 Acquisition of ADNs.	as expected
	A_DIM 32 ROQUIDICION OF ADNO.	as expected
7		
Analysis:	Expected results achieved	

### 5.2.26 CFT-SIM-08 (T-Mobile SIM)

		•	
Case	-SIM-08 Micro Systemation .XRY Version 3 CFT-SIM-08 Acquire SIM internal memory		at Numborg
		and review reported La	St Numbers
Summary:	Dialed (LND).		
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 su the target SIM then the tool shall have data in a human-readable format via eit	e the ability to presen	t acquired
	report.		
	A_SIM-33 If a cellular forensic tool su the target SIM then all Last Numbers Di human-readable format without modificat	aled (LND) shall be pr	
Toston Nomo:			
Tester Name: Test Host:	rpa Morrisy		
Test Date:	•		
	Thu Apr 3 13:03:20 EDT 2008		
Device:	TMOBILE_SIM		
Source	OS: WIN XP		
Setup:	Interface: USB		
	DATA OBJECTS	DATA ELEMENTS	
	Abbreviated Dialing Numbers (ADN)		
		aximum Length	
	SI	pecial Character	
	B	lank Name	
	Re	egular Length - Deleted	l Number
		oreign Entry	
	Call Logs		
		ast Numbers Dialed (LND	))
		ast Mullibers Dialed (Int	,
	Text Messages	manufana OMG Daad	
		ncoming SMS - Read	
		ncoming SMS - Foreign	
		ncoming SMS - Deleted	
	II	ncoming SMS - Unread	
	II	ncoming Foreign EMS - R	lead
	II	ncoming EMS - Deleted	
Log Highlights:	Created By .XRY Version 3.6 Acquisition started: Thu Apr 3 13:03:20 Acquisition finished: Thu Apr 3 13:04:1		
	Media connectivity was established via Readability and completeness of acquire LNDs were acquired		
Results:			
	Assertion & Expected Result		Actual
			Result
	A_SIM-23 SIM connectivity via supporte	ed interfaces.	as expected
	A SIM-27 Readability and completeness		as expected
	supported reports.	- acquirea auca via	
	A_SIM-33 Acquisition of LNDs.		as expected
	M_DIA 33 ACQUIDICION OF HMDB.		up expected
7			
Analysis:	Expected results achieved		

### 5.2.27 CFT-SIM-09 (T-Mobile SIM)

Test Case CFT	-SIM-09 Micro Systemation .XRY Version	3.6	
Case	CFT-SIM-09 Acquire SIM internal memor		xt messages
Summary:	(i.e., SMS, EMS).		
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-27 If a cellular forensic tool	accessfully recognize the (e.g., PC/SC reader, prop	target SIM rietary
	the target SIM then the tool shall had data in a human-readable format via e report.		-
	A_SIM-34 If a cellular forensic tool the target SIM then all SMS text mess readable format without modification.	sages shall be presented	-
	A_SIM-35 If a cellular forensic tool the target SIM then all EMS text mess readable format without modification.	successfully completes a sages shall be presented	
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Thu Apr 3 13:05:15 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 (LNI	))
	Text Messages		
		Incoming SMS - Read	
		Incoming SMS - Foreign	
		Incoming SMS - Deleted	
		Incoming SMS - Unread	
		Incoming Foreign EMS - H	Read
		Incoming EMS - Deleted	
Log	Created By .XRY Version 3.6		
Highlights:	Acquisition started: Thu Apr 3 13:05: Acquisition finished: Thu Apr 3 13:06		
	Media connectivity was established vi Readability and completeness of acqui ALL text messages (SMS, EMS) were acc	ired data was successful	
Results:			
	Assertion & Expected Result		Actual Result
	A_SIM-23 SIM connectivity via suppor	rted interfaces.	as expected
	A_SIM-27 Readability and completenes supported reports.		as expected
	A_SIM-34 Acquisition of SMS messages	5.	as expected
	A_SIM-35 Acquisition of EMS messages		as expected
Analysis:	Expected results achieved		

### 5.2.28 CFT-SIM-10 (T-Mobile SIM)

Test Case         CTF-SIM-10 Acquire SIM internal memory and review reported location r data (i.e., LOCI, GPRSLOCI).           Assertions:         A_SIM-23 If a cellular forensic tool provides support for connectivit the target SIM then the tool shall successfully completes acquisiti the target SIM then the tool shall have the ability to present acquir data in a human-readable format via either preview-pane or generated report.           A_SIM-26 If a cellular forensic tool successfully completes acquisiti 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 acquisiti the target SIM then all location related data (i.e., GRPSLOCI) shall presented in a human-readable format without modification.           Test Name:         rpa           Test Name:         TMOBILE_SIM           Source         OS: NIM XP           Source:         DATA DEJECTS           Data Construct         Astareter           Blank Name         Requiar Length - Deleted Number           Call Logs         Incoming SMS - Read           Text Name:         Incoming SMS - Read           Call Logs         Incoming SMS - Read           Interface: USB         Incoming SMS - Read           Incoming SMS - Read         Incoming SMS - Read           Incoming SMS - Read         Incoming SMS - Read           Incoming SMS - Deleted			
Assertions:       A.SIM-23 If a cellular forensic tool provides support for connectivit the target SIM then the tool shall successfully recognize the target via all vendor supported interfaces (e.g., PC/SC reader, proprietary reader).         A.SIM-27 If a cellular forensic tool successfully completes acquisiti the target SIM then the tool shall have the ability to present acquired data in a human-readable format via either preview-pane or generated report.         A.SIM-36 If a cellular forensic tool successfully completes acquisiti 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 acquisiti the target SIM then all location related data (i.e., GRPSLOCI) shall presented in a human-readable format without modification.         Test Name:       rpa         Test Name:       TPA         Source       OS: WN XP         Interface:       USB         Data ELEMENTS       Abbreviated Dialing Numbers (ADN)         Abbreviated Dialing Numbers (ADN)       Maximum Length         Blank Name       Incoming SMS - Precign         Incoming SMS - Deleted <td< td=""><td>related</td></td<>	related		
the target SIM then the tool shall successfully recognize the target via all vendor supported interfaces (e.g., PC/SC reader, proprietary reader).         A_SIM-37 If a cellular forensic tool successfully completes acquisiti the target SIM then the tool shall have the ability to present acquir data in a human-readable format via either preview-pane or generated report.         A_SIM-37 If a cellular forensic tool successfully completes acquisiti 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 acquisiti the target SIM then all location related data (i.e., GRPSLOCI) shall presented in a human-readable format without modification.         Test HOSI:       Morrisy         Test HOSI:       Morrisy         Test HOSI:       Morrisy         Test HOSI:       Morrisy         Data CBJBCTS       DATA ELEMENTS         Abbreviated Dialing Numbers (ADN)       Maximum Length         Blank Name       Regular Length - Deleted Number         Call Logs       Incoming SMS - Deleted         Incoming SMS - Deleted       Incoming SMS - Deleted         Log       Created Ey .XRY Version 3.6         Acquisition started: Thu Apr 3 13:07:17 EDT 2008       Acquisition finited: Thu Apr 3 13:07:17 EDT 2008         Acquisition started: Thu Apr 3 13:07:17 EDT 2008       Acquisition finited: Thu Apr 3 13:07:17 EDT 2008         Acquisition started: Thu Apr 3			
via all vendor supported interfaces (e.g., PC/SC reader, proprietary reader).       A_SIM-27 If a cellular forensic tool successfully completes acquisiti the target SIM then the tool shall have the ability to present acquir data in a human-readable format via either preview-pane or generated report.         A_SIM-36 If a cellular forensic tool successfully completes acquisiti 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 acquisiti the target SIM then all location related data (i.e., GRFSLOCI) shall presented in a human-readable format without modification.         A_SIM-37 If a cellular forensic tool successfully completes acquisiti the target SIM then all location related data (i.e., GRFSLOCI) shall presented in a human-readable format without modification.         A_SIM-37 If a cellular forensic tool successfully completes acquisiti the target SIM then all location related data (i.e., GRFSLOCI) shall presented in a human-readable format without modification.         A_SIM-37 If a cellular forensic tool successfully completes acquisiti the target SIM then all location related data (i.e., GRFSLOCI) shall presented in a human-readable format without modification.         A_SIM-36 IF a cellular forensic tool successfully completes acquisiti the target SIM then all location related data (i.e., GRFSLOCI) shall presented in a human-readable format without modification.         Test Mass       Markimum Length         Source       DATA ELEMENTS         Abbreviated Dialing Numbers (ADN)       Maximum Length         Setup:       Interface: USB<	A_SIM-23 If a cellular forensic tool provides support for connectivity of		
reader).       A.SIM-27 If a cellular forensic tool successfully completes acquisiti         the target SIM then the tool shall have the ability to present acquir         data in a human-readable format via either preview-pane or generated         report.         A_SIM-36 If a cellular forensic tool successfully completes acquisiti         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 acquisiti         the target SIM then all location related data (i.e., GRPSLOCI) shall be         presented in a human-readable format without modification.         A_SIM-37 If a cellular forensic tool         Test Host:         Morrisy         Test Host:         Morrisy         Test Host:         Morrisy         Source         So: WIN XP         Interface: USB         DATA OBJECTS         Abbreviated Dialing Numbers (ADN)         Maximum Length         Special Character         Blank Name         Regular Length - Deleted Number         Call Logs         Last Numbers Dialed (LND)         Text Messages       Incoming SMS - Foreign         Incoming SMS - Deleted			
A_SIM-27 If a cellular forensic tool successfully completes acquisiti         the target SIM then the tool shall have the ability to present acquir         data in a human-readable format via either preview-pane or generated         report.         A_SIM-36 If a cellular forensic tool successfully completes acquisiti         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 acquisiti         the target SIM then all location related data (i.e., GRESLOCI) shall         presented in a human-readable format without modification.         Test Date:       Thu Apr 3 13:07:17 EDT 2008         Device:       TMOBILE_SIM         Source       OS: WIN XP         Setup:       Interface: USB         DATA OBJECTS       DATA ELEMENTS         Abbreviated Dialing Numbers (ADN)       Maximum Length         Setup:       Interface: USB       DATA ELEMENTS         Abbreviated Dialing Numbers (ADN)       Maximum Length         Setup:       Incoming SMS - Foreign         Interface:       Incoming SMS - Poleted Number         Call Logs       Incoming SMS - Poleted         Incoming SMS - Deleted       Incoming SMS - Deleted         Incoring SMS - Deleted       Incoming SMS	7		
the target SIM then the tool shall have the ability to present acquir data in a human-readable format via either preview-pane or generated report. A_SIM-36 If a cellular forensic tool successfully completes acquisiti 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 acquisiti the target SIM then all location related data (i.e., GRPSLOCI) shall persented in a human-readable format without modification.         Test Host:       Morriey         Test Host:       Morriey         Test Host:       Morriey         Test Host:       Morriey         Source       OS: WIN XP         Interface: USB       DATA ELEMENTS         Abbreviated Dialing Numbers (ADN)       Maximum Length         Setup:       Foreign Entry         Call Logs       Incoming SMS - Need         Call Logs       Incoming SMS - Deleted         Incoming SMS - Deleted       Incoming SMS - Deleted         Incoming EMS - Deleted			
data in a human-readable format via either preview-pane or generated report.       A_SIM-36 If a cellular forensic tool successfully completes acquisiti the target SIM then all location related data (i.e., IOCI) shall be presented in a human-readable format without modification.         A_SIM-37 If a cellular forensic tool successfully completes acquisiti the target SIM then all location related data (i.e., GRPSLOCI) shall presented in a human-readable format without modification.         Test Date:       Tru Apr 3 13:07:17 EDT 2008         Device:       TMORILE_SIM         Source       OS: WI XP         Setup:       Data elements         Abbreviated Dialing Numbers (ADN)       Maximum Length         Setup:       Special Character         Blank Name       Regular Length - Deleted Number         Call Logs       Last Numbers Dialed (LND)         Text Messages       Incoming SMS - Foreign         Incoming SMS - Foreign       Incoming SMS - Deleted         Log       Created By .XNY Version 3.6         Acquisition started: Thu Apr 3 13:07:17 EDT 2008       Acquisition finished: Thu Apr 3 13:07:17 EDT 2008         Media connectivity was established via supported interface       Readability and completeness of acquired data was successful         LOG       Created By .XNY Version 3.6       Actual         Results:       Assertion & Expected Result       Actual			
report. A_SIM-36 If a cellular forensic tool successfully completes acquisiti 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 acquisiti the target SIM then all location related data (i.e., GRPSLOCI) shall presented in a human-readable format without modification. Test Host: Test Host: Test Host: Test Host: Thu Apr 3 13:07:17 EDT 2008 Device: Source Source Source Source Source Source Source Source Setup: Interface: USB DATA ELEMENTS Abbreviated Dialing Numbers (ADN) Maximum Length Special Character Blank Name Regular Length - Deleted Number Call Logs Last Numbers Dialed (IND) Text Messages Last Numbers Dialed (IND) Text Messages Last Numbers Dialed Incoming SMS - Foreign Incoming SMS - Poreign Incoming SMS - Duread Incoming SMS - Duread Incoming SMS - Duread Log Kequisition started: Thu Apr 3 13:07:17 EDT 2008 Acquisition finished: Thu Apr 3 13:07:17 EDT 2008 Acquisition finished: Thu Apr 3 13:08:37 EDT 2008 Media connectivity was established via supported interface Readability and completeness of acquired data was successful LOCI data was acquired Results: Assertion & Expected Result Actual Results:			
A_SIM-36 If a cellular forensic tool successfully completes acquisiti         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 acquisiti         the target SIM then all location related data (i.e., GRPSLOCI) shall         presented in a human-readable format without modification.         Test Target SIM then all location related data (i.e., GRPSLOCI) shall         presented in a human-readable format without modification.         Test Target SIM then all location related data (i.e., GRPSLOCI) shall         Device:       TWOBILE_SIM         Source       OS: WIN XP         Interface: USB       DATA ELEMENTS         Abbreviated Dialing Numbers (ADN)       Maximum Length	L		
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 acquisiti         the target SIM then all location related data (i.e., GRPSLOCI) shall         presented in a human-readable format without modification.         Tester Name:         Test Host:         Morrisy         Test Date:         Thu Apr 3 13:07:17 EDT 2008         Device:         Source         So: WIN XP         Interface: USB         DATA OBJECTS         Abbreviated Dialing Numbers (ADN)         Maximum Length	ion of		
Argented in a human-readable format without modification.         A_SIM-37 If a cellular forensic tool successfully completes acquisiti         the target SIM then all location related data (i.e., GRPSLOCI) shall         presented in a human-readable format without modification.         Test Date:       Thu Apr 3 13:07:17 EDT 2008         Device:       TMOBILE_SIM         Source       OS: WIN XP         Interface: USB       DATA ELEMENTS         Abbreviated Dialing Numbers (ADN)       Maximum Length			
the target SIM then all location related data (i.e., GRPSLOCI) shall presented in a human-readable format without modification.         Test Host:       Morrisy         Test Host:       Morrisy         Test Host:       Thu Apr 3 13:07:17 EDT 2008         Device:       TMOBILE_SIM         Source       OS: WIN XP         Setup:       Interface: USB         DATA OBJECTS       DATA ELEMENTS         Abbreviated Dialing Numbers (ADN)       Maximum Length         Blank Name       Regular Length - Deleted Number         Call Logs       Last Numbers Dialed (LND)         Text Messages       Incoming SMS - Read         Incoming SMS - Deleted       Incoming SMS - Deleted         Incoding SMS - Deleted			
Test Name:       rpa         Test Host:       Morrisy         Test Date:       Thu Apr 3 13:07:17 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         Call Logs       Incoming SMS - Deleted Number         Incoming SMS - Foreign       Incoming SMS - Deleted         Incoming SMS - Deleted       Incoming SMS - Deleted         Incoming MS - Deleted       Incoming SMS - Deleted         Incoming Advisition started: Thu Apr 3 13:07:17 EDT 2008       Media connectivity was established via supported interface         Results:       Assertion & Expected Result       Actual Result	ion of		
Tester Name:       Tpa         Test Host:       Morrisy         Test Date:       Thu Apr 3 13:07:17 EDT 2008         Device:       TMOBILE_SIM         Source       OS: WIN XP         Interface: USB       DATA ELEMENTS         Abbreviated Dialing Numbers (ADN)       Maximum Length         Blank Name       Regular Length - Deleted Number         Call Logs       Incoming SMS - Read         Incoming SMS - Foreign       Incoming SMS - Deleted         Incoming SMS - Duread       Incoming SMS - Deleted         Incoming SMS - Deleted       Incoming SMS - Deleted	. be		
Test Host:       Morrisy         Test Date:       Thu Apr 3 13:07:17 EDT 2008         Device:       TMOBILE_SIM         Source       OS: WIN XP         Interface: USB       DATA CLEMENTS         Abbreviated Dialing Numbers (ADN)       Maximum Length         Special Character       Blank Name         Regular Length - Deleted Number       Call Logs         Call Logs       Last Numbers Dialed (LND)         Text Messages       Incoming SMS - Read         Incoming SMS - Foreign       Incoming SMS - Deleted         Incoming SMS - Unread       Incoming SMS - Deleted         Incoming SMS - Deleted       Incoming SMS - Deleted         Media connectivity was established via supported interface       Redability and completeness of acquired data was successful         LOCI data was acquired       GPRSLOCI data was acquired       Actual Result         Results:       Assertion & Expected Result       Actual Result			
Test Date:       Thu Apr 3 13:07:17 EDT 2008         Device:       TMOBILE_SIM         Source       OS: WIN XP         Interface: USB       DATA OBJECTS         DATA OBJECTS       DATA ELEMENTS         Abbreviated Dialing Numbers (ADN)       Maximum Length         Blank Name       Special Character         Blank Name       Regular Length - Deleted Number         Call Logs       Incoming SMS - Read         Incoming SMS - Foreign       Incoming SMS - Poreign         Incoming SMS - Deleted       Incoming SMS - Unread         Incoming Foreign EMS - Read       Incoming Foreign EMS - Read         Log       Incoming SMS - Deleted         Highlights:       Created By .XRY Version 3.6         Acquisition started: Thu Apr 3 13:07:17 EDT 2008         Acquisition finished: Thu Apr 3 13:08:37 EDT 2008         Media connectivity was established via supported interface         Readability and completeness of acquired data was successful         LOCI data was acquired         GPRSLOCI data was acquired         Results:			
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       Incoming SMS - Read         Incoming SMS - Foreign       Incoming SMS - Deleted         Incoming SMS - Deleted       Incoming SMS - Deleted         Incoming SMS - Deleted       Incoming SMS - Deleted         Incoming SMS - Deleted       Incoming SMS - Deleted         May in the started: Thu Apr 3 13:07:17 EDT 2008       Acquisition finished: Thu Apr 3 13:08:37 EDT 2008         Media connectivity was established via supported interface       Readability and completeness of acquired data was successful         LOCI data was acquired       GPRSLOCI data was acquired       Actual Result         Results:       Assertion & Expected Result       Actual Result			
Source Setup: OS: WIN XP Interface: USB DATA OBJECTS DATA ELEMENTS Abbreviated Dialing Numbers (ADN) Maximum Length Special Character Blank Name Call Logs Call Logs Created By .XRY Version 3.6 Acquisition started: Thu Apr 3 13:07:17 EDT 2008 Media connectivity was established via supported interface Readability and completeness of acquired data was successful LOCI data was acquired GPRSLOCI data was acquired Call Logs Call Logs Call Logs Call Logs Call Logs Created By .XRY Version 3.6 Created			
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 - Unread         Incoming SMS - Unread       Incoming SMS - Deleted         Incoming SMS - Deleted       Incoming SMS - Deleted         Log       Kequisition started: Thu Apr 3 13:07:17 EDT 2008         Acquisition finished: Thu Apr 3 13:08:37 EDT 2008       Media connectivity was established via supported interface         Readability and completeness of acquired data was successful       LOCI data was acquired         GPRSLOCI data was acquired       Actual Result			
DATA OBJECTS     DATA ELEMENTS       Abbreviated Dialing Numbers (ADN)     Maximum Length       Special Character     Blank Name       Regular Length - Deleted Number     Foreign Entry       Call Logs     Incoming SMS - Read       Incoming SMS - Foreign     Incoming SMS - Deleted       Incoming SMS - Deleted     Incoming EMS - Deleted       Maximum Length     Incoming SMS - Deleted       Incoming SMS - Deleted     Incoming SMS - Deleted       Incoming SMS - Deleted     Incoming EMS - Deleted       Maximum Length     Incoming SMS - Deleted       Incoming SMS - Deleted     Incoming EMS - Deleted       Created By .XRY Version 3.6     Acquisition finished: Thu Apr 3 13:07:17 EDT 2008       Acquisition finished: Thu Apr 3 13:08:37 EDT 2008     Media connectivity was established via supported interface       Readability and completeness of acquired data was successful     IOCI data was acquired       GPRSLOCI data was acquired     Actual Result			
Abbreviated Dialing Numbers (ADN)       Maximum Length         Special Character         Blank Name         Regular Length - Deleted Number         Call Logs         Last Numbers Dialed (LND)         Text Messages         Incoming SMS - Read         Incoming SMS - Deleted         Incoming EMS - Deleted         Maximum Length         Regults:         Acquisition started: Thu Apr 3 13:07:17 EDT 2008         Media connectivity was established via supported interface         Readability and completeness of acquired data was successful         LOCI data was acquired         GPRSLOCI data was acquired         Results: <td>_</td>	_		
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 - Poreign         Incoming SMS - Deleted         Incoming SMS - Deleted         Incoming SMS - Deleted         Incoming SMS - Deleted         Incoming Foreign EMS - Read         Incoming SMS - Deleted         Incoming Foreign EMS - Read         Incoming Foreign EMS - Read         Incoming EMS - Deleted         Acquisition started: Thu Apr 3 13:07:17 EDT 2008         Acquisition finished: Thu Apr 3 13:08:37 EDT 2008         Media connectivity was established via supported interface         Readbility and completeness of acquired data was successful         LOCI data was acquired         Results:         Assertion & Expected Result			
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 EMS - Deleted         Reguistion started: Thu Apr 3 13:07:17 EDT 2008         Acquisition finished: Thu Apr 3 13:08:37 EDT 2008         Media connectivity was established via supported interface         Readability and completeness of acquired data was successful         LOCI data was acquired         GPRSLOCI data was acquired         Results:         Assertion & Expected Result			
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 Foreign EMS - Read         Incoming Foreign EMS - Read         Incoming Foreign EMS - Deleted         Incoming EMS - Deleted         Incoming EMS - Deleted         Kequisition started: Thu Apr 3 13:07:17 EDT 2008         Acquisition finished: Thu Apr 3 13:08:37 EDT 2008         Media connectivity was established via supported interface         Readability and completeness of acquired data was successful         LOCI data was acquired         GPRSLOCI data was acquired         Results:         Assertion & Expected Result	_		
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 SMS - Deleted         Media connectivity version 3.6         Acquisition started: Thu Apr 3 13:07:17 EDT 2008         Media connectivity was established via supported interface         Readability and completeness of acquired data was successful         LOCI data was acquired         GPRSLOCI data was acquired         Results:         Assertion & Expected Result	_		
Call Logs	_		
Call Logs       Last Numbers Dialed (LND)         Text Messages       Incoming SMS - Read         Incoming SMS - Foreign       Incoming SMS - Deleted         Incoming SMS - Deleted       Incoming SMS - Noread         Incoming Foreign EMS - Read       Incoming SMS - Deleted         Log       Incoming Foreign EMS - Read         Log       Incoming Foreign EMS - Deleted         Log       Incoming EMS - Deleted         Media connectivity was established via supported interface         Readability and completeness of acquired data was successful         LOCI data was acquired         GPRSLOCI data was acquired         Results:         Assertion & Expected Result       Actual Result	r		
Image: Construct the second			
Text Messages       Incoming SMS - Read         Incoming SMS - Foreign       Incoming SMS - Deleted         Incoming SMS - Deleted       Incoming SMS - Deleted         Incoming SMS - Unread       Incoming Foreign EMS - Read         Incoming Foreign EMS - Deleted       Incoming Foreign EMS - Read         Incoming Foreign EMS - Deleted       Incoming EMS - Deleted         Log       Requisition started: Thu Apr 3 13:07:17 EDT 2008         Acquisition finished: Thu Apr 3 13:08:37 EDT 2008       Media connectivity was established via supported interface         Readability and completeness of acquired data was successful       LOCI data was acquired         GPRSLOCI data was acquired       Actual Results:	_		
Incoming SMS - Read         Incoming SMS - Foreign         Incoming SMS - Deleted         Incoming SMS - Deleted         Incoming SMS - Unread         Incoming Foreign EMS - Read         Incoming Foreign EMS - Read         Incoming Foreign EMS - Read         Incoming EMS - Deleted         Incoming EMS - Deleted         Results:         Assertion & Expected Result         Actual Results:	_		
Incoming SMS - Foreign         Incoming SMS - Deleted         Incoming SMS - Unread         Incoming Foreign EMS - Read         Incoming EMS - Deleted         Incoming EMS - D			
Incoming SMS - Deleted         Incoming SMS - Unread         Incoming SMS - Unread         Incoming Foreign EMS - Read         Incoming EMS - Deleted         Created By .XRY Version 3.6         Acquisition started: Thu Apr 3 13:07:17 EDT 2008         Acquisition finished: Thu Apr 3 13:08:37 EDT 2008         Media connectivity was established via supported interface         Readability and completeness of acquired data was successful         LOCI data was acquired         GPRSLOCI data was acquired         Results:         Assertion & Expected Result			
Incoming SMS - Unread         Incoming Foreign EMS - Read         Incoming EMS - Deleted         Log         Highlights:         Created By .XRY Version 3.6         Acquisition started: Thu Apr 3 13:07:17 EDT 2008         Acquisition finished: Thu Apr 3 13:08:37 EDT 2008         Media connectivity was established via supported interface         Readability and completeness of acquired data was successful         LOCI data was acquired         GPRSLOCI data was acquired         Results:         Assertion & Expected Result	-		
Log       Incoming Foreign EMS - Read         Highlights:       Created By .XRY Version 3.6         Acquisition started: Thu Apr 3 13:07:17 EDT 2008         Acquisition finished: Thu Apr 3 13:08:37 EDT 2008         Media connectivity was established via supported interface         Readability and completeness of acquired data was successful         LOCI data was acquired         GPRSLOCI data was acquired         Results:         Assertion & Expected Result			
Log       Created By .XRY Version 3.6         Highlights:       Acquisition started: Thu Apr 3 13:07:17 EDT 2008         Acquisition finished: Thu Apr 3 13:08:37 EDT 2008         Media connectivity was established via supported interface         Readability and completeness of acquired data was successful         LOCI data was acquired         GPRSLOCI data was acquired         Results:         Assertion & Expected Result			
Log Highlights: Created By .XRY Version 3.6 Acquisition started: Thu Apr 3 13:07:17 EDT 2008 Acquisition finished: Thu Apr 3 13:08:37 EDT 2008 Media connectivity was established via supported interface Readability and completeness of acquired data was successful LOCI data was acquired GPRSLOCI data was acquired Results: Assertion & Expected Result Actual Result			
Highlights:       Acquisition started: Thu Apr 3 13:07:17 EDT 2008         Acquisition finished: Thu Apr 3 13:08:37 EDT 2008         Media connectivity was established via supported interface         Readability and completeness of acquired data was successful         LOCI data was acquired         GPRSLOCI data was acquired         Results:         Assertion & Expected Result         Actual Result			
Highlights:       Acquisition started: Thu Apr 3 13:07:17 EDT 2008         Acquisition finished: Thu Apr 3 13:08:37 EDT 2008         Media connectivity was established via supported interface         Readability and completeness of acquired data was successful         LOCI data was acquired         GPRSLOCI data was acquired         Results:         Assertion & Expected Result         Actual Result			
Acquisition finished: Thu Apr 3 13:08:37 EDT 2008         Media connectivity was established via supported interface         Readability and completeness of acquired data was successful         LOCI data was acquired         GPRSLOCI data was acquired         Results:         Assertion & Expected Result         Actual Result			
Media connectivity was established via supported interface         Readability and completeness of acquired data was successful         LOCI data was acquired         GPRSLOCI data was acquired         Results:         Assertion & Expected Result         Actual         Result			
Readability and completeness of acquired data was successful LOCI data was acquired GPRSLOCI data was acquired Results: Assertion & Expected Result Result			
Readability and completeness of acquired data was successful LOCI data was acquired GPRSLOCI data was acquired Results: Assertion & Expected Result Result			
LOCI data was acquired GPRSLOCI data was acquired Results: Assertion & Expected Result Result			
GPRSLOCI data was acquired Results: Assertion & Expected Result Result			
Results: Assertion & Expected Result Result	-		
Assertion & Expected Result Actual Result			
Result			
	<b>al</b>		
A_SIM-23 SIM connectivity via supported interfaces. as expe	5		
	pected		
A_SIM-27 Readability and completeness of acquired data via as expe	pected		
supported reports.			
A_SIM-36 Acquisition of LOCI information. as expe	pected		
A_SIM-37 Acquisition of GPRSLOCI information. as expe	pected		
Analysis: Expected results achieved			

5.2.29				
Test Case CFT	-SIMO-01 Micro Systemation .XRY Vers	ion 3.6		
Case	CFT-SIMO-01 Acquire SIM internal memory and review acquired data via			
Summary:	suported generated report formats.			
Assertions:	A_SIMO-58 If a cellular forensic to			
	the target media (i.e., SIM) then the			
	in a human-readable format without	modification via supporte	d generated	
	report formats.			
Tester	rpa			
Name:				
Test Host:	Morrisy			
Test Date:	Fri Apr 4 09:34:17 EDT 2008			
Device:	TMOBILE_SIM			
Source	OS: WIN XP			
Setup:	Interface: USB DATA OBJECTS			
		DATA ELEMENTS		
	Abbreviated Dialing Numbers (ADN)	Marrimum Tanath		
		Maximum Length Special Character		
		Blank Name		
		Regular Length - Delete	ed Number	
		Foreign Entry	ed Nullber	
	Call Logs	roreign miery		
		Last Numbers Dialed (LI	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 .XRY Version 3.6			
Highlights:	Acquisition started: Fri Apr 4 09:3			
	Acquisition finished: Fri Apr 4 09:38:27 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 expected	
	generated reports.			
Analysis:	Expected results achieved			
matlete.	Expected repures achieved			

#### 5.2.29 CFT-SIMO-01 (T-Mobile SIM)

	-SIMO-02 Micro Systemation .XRY Versi	2 C		
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 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.			
Tester	rpa			
Name:				
Test Host:	Morrisy			
Test Date:	Fri Apr 4 09:43:50 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 - 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		
		Incoming Foreign EMS -	Read	
		Incoming EMS - Deleted		
Log	Created By .XRY Version 3.6			
Highlights:	Acquisition started: Fri Apr 4 09:43	3:50 EDT 2008		
	Acquisition finished: Fri Apr 4 09:44:54 EDT 2008			
	Complete representation of known data via preview-pane was successful			
Results:	1		T	
	Assertion & Expected Result		Actual	
			Result	
	A_SIMO-59 Comparison of known SIM preview-pane.	data elements via	as expected	

#### 5.2.30 CFT-SIMO-02 (T-Mobile SIM)

# 5.2.31 CFT-SIMO-03 (T-Mobile SIM)

Test Case (TT	-SIMO-03 Micro Systemation .XRY Versio	•		
Case	CFT-SIMO-03 Acquire SIM internal mem		data via the	
Summary:	preview-pane and supported generated reports.			
Assertions:	A_SIMO-58 If a cellular forensic tool successfully completes acquisition			
	the target media (i.e., SIM) then th			
	in a human-readable format without m			
	report formats.			
	A_SIMO-59 If a cellular forensic too	l successfully completes	acquisition of	
	the target media (i.e., SIM) then th		-	
	in a human-readable format without m	odification via supported	generated	
	report formats.	1		
	A_SIMO-60 If a cellular forensic too generated report of the acquired dat			
	consistency of all reported data ele		maintain	
	compresency of all reported data ere	merreb.		
Tester	rpa			
Name:	- <u>-</u>			
Test Host:	Morrisy			
Test Date:	Fri Apr 4 09:56:06 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 - Deleted	d Number	
		Foreign Entry		
	Call Logs	Last Numbers Dialed (IN		
	Toxt Moggagag	Last Numbers Dialed (LNI		
	Text Messages Incoming SMS - Read			
		Incoming SMS - Foreign		
		Incoming SMS - Deleted		
		Incoming SMS - Unread		
		Incoming Foreign EMS - H	Read	
	Incoming EMS - Deleted			
		5		
Log	Created By .XRY Version 3.6			
Highlights:	Acquisition started: Fri Apr 4 09:56:06 EDT 2008			
	Acquisition finished: Fri Apr 4 09:59:10 EDT 2008			
	Complete converse tables of large data with respected converts and successful			
	Complete representation of known data via generated reports was successful Complete representation of known data via preview-pane was successful			
	compilete representation of known dat	a via preview-pane was su	lecessiui	
Results:				
1100 01 00	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 data elements via as			
	preview-pane.		_	
	A_SIMO-60 Compare generated reports	and preview-pane views	as expected	
	for SIM acquisition.			
Analysis:	Expected results achieved			

J.Z.JZ					
Test Case CFT	-SIMO-04 Micro Systemation .XRY Versi	ion 3.6			
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:	A_SIMO-61 If modification is attempted to the case file or individual				
	elements via third-party means then the tool shall provide protection				
	mechanisms disallowing or reporting	data modification.			
Tester Name:	rpa				
Test Host:	Morrisy				
Test Date:	Fri Apr 4 10:00:20 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				
		Incoming SMS - Read			
		Incoming SMS - Foreign			
		Incoming SMS - Deleted			
		Incoming SMS - Unread			
		Incoming Foreign EMS - Read			
		Incoming EMS - Deleted			
Log	Created By .XRY Version 3.6				
Highlights:	Acquisition started: Fri Apr 4 10:00:20 EDT 2008				
	Acquisition finished: Fri Apr 4 10:01:43 EDT 2008				
	Notification of modified case data was successful				
	Netogy				
	Notes:				
	Case File Encryption has to be selected before Acquisition				
Results:					
Results:	Assertion & Expected Result	Actual Result			
Results:	Assertion & Expected Result A SIMO-61 Notification of modifed				
Results:	Assertion & Expected Result A_SIMO-61 Notification of modifed				
Results:					

#### 5.2.32 CFT-SIMO-04 (T-Mobile SIM)

# 5.2.33 CFT-SIMO-05 (T-Mobile SIM)

	C-SIMO-05 Micro Systemation .XRY Vers:					
Case	CFT-SIMO-05 Acquire SIM internal me deleted data.	mory and review reports	s for recoverable			
Summary:						
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 suppor	rted 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	cted generated			
	report formats.					
	A_SIMO-62 If the cellular forensic					
	of the target SIM and recoverable d					
	shall present recoverable deleted d	ata in a human-readable	e format without			
	modification.					
	A_SIMO-63 If the cellular forensic					
	of the target SIM and recoverable d					
	shall present recoverable deleted d	ata in a human-readable	e format without			
	modification.					
Tester	rpa					
Name:	Manuai au					
Test Host: Test Date:	Morrisy Fri Apr 4 10:23:58 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 - Del	eted Number			
		Foreign Entry				
	Call Logs					
		Last Numbers Dialed	(LND)			
	Text Messages					
		Incoming SMS - Read				
		Incoming SMS - Forei	qn			
		Incoming SMS - Delet				
		Incoming SMS - Unrea				
		Incoming Foreign EMS				
		Incoming EMS - Delet				
		Incoming EMS - Derec	eu			
Log	Created By .XRY Version 3.6					
Highlights:	Acquisition started: Fri Apr 4 10:2	3:58 EDT 2008				
	Acquisition finished: Fri Apr 4 10:25:08 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:						
	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			
	A_SIMO-59 Comparison of known SIM					
	preview-pane.					
	preview-pane.	messages.	as expected			
	_		as expected as expected			

Test Case CFI	-SIMO-05 Micro Systemation .XRY Version 3.6
Analysis:	Expected results achieved

# 5.2.34 CFT-SIMO-06 (T-Mobile SIM)

	-SIMO-06	Micro Syster	mation .XRY Versi	on 3.6
Case				mory and review generated log files.
Summary:				
Assertions:	A_SIMO-64 If a cellular forensic tool supports creation of log files then the application should present the log files in a human-readable format			
			log files in a human-readable format	
	outlining the acquisition process.			
	4			
Tester Name:	rpa			
Test Host:	Morrisy		EDT 2000	
Test Date: Device:	_	4 10:40:22	EDI 2008	
Source	TMOBILE_SIM OS: WIN XP			
Setup:		ce: USB		
F		DBJECTS		DATA ELEMENTS
	Abbrev	viated Dialir	ng Numbers (ADN)	
				Maximum Length
				Special Character
				Blank Name
				Regular Length - Deleted Number
				Foreign Entry
	Call I	logs		
				Last Numbers Dialed (LND)
	Text M	lessages		
				Incoming SMS - Read
				Incoming SMS - Foreign
				Incoming SMS - Deleted
				Incoming SMS - Unread Incoming Foreign EMS - Read
				Incoming EMS - Deleted
				Incoming EMS - Dereced
Log Highlights:	Acquisi		rsion 3.6 1: Fri Apr 4 10:40 ed: Fri Apr 4 10:4	
	Creatio	on of complet	e and human-reada	able log files was successful
	Notes:			
	XRY Log	Т		
		Status	Message	
			Message	
	Module  MAIN	Status  Success	Initiating Pr	
	Module  MAIN MAIN	Status  Success Success	Initiating Pr .XRY Version	3.6
	Module  MAIN MAIN MAIN	Status Success Success Success	Initiating Pr .XRY Version Connected to	3.6 OMNIKEY CardMan 6121 0 []
	Module  MAIN MAIN MAIN MAIN	Status Success Success Success Success Success	Initiating Pr .XRY Version Connected to Device Name:	3.6 OMNIKEY CardMan 6121 0 [] SIM Card
	Module  MAIN MAIN MAIN MAIN MAIN	Status Success Success Success Success Success Success	Initiating Pr .XRY Version Connected to Device Name: Starting proc	3.6 OMNIKEY CardMan 6121 0 []
	Module  MAIN MAIN MAIN MAIN SIM	Status Success Success Success Success Success Success	Initiating Pr .XRY Version Connected to Device Name: Starting proc Connecting	3.6 OMNIKEY CardMan 6121 0 [] SIM Card ess of SIM (3.6)
	Module  MAIN MAIN MAIN MAIN MAIN	Status Success Success Success Success Success Success	Initiating Pr .XRY Version Connected to Device Name: Starting proc Connecting Connected wit	3.6 OMNIKEY CardMan 6121 0 [] SIM Card ess of SIM (3.6) h TO Protocol
	Module  MAIN MAIN MAIN MAIN SIM SIM	Status Success Success Success Success Success Success Success	Initiating Pr .XRY Version Connected to Device Name: Starting proc Connecting	3.6 OMNIKEY CardMan 6121 0 [] SIM Card ess of SIM (3.6) h TO Protocol type
	Module  MAIN MAIN MAIN MAIN SIM SIM SIM	Status Success Success Success Success Success Success Success Success	Initiating Pr .XRY Version Connected to Device Name: Starting proc Connecting Connected wit Detecting SIM	3.6 OMNIKEY CardMan 6121 0 [] SIM Card ess of SIM (3.6) h TO Protocol type SIM Card
	Module MAIN MAIN MAIN MAIN MAIN SIM SIM SIM SIM SIM SIM SIM	Status Success Success Success Success Success Success Success Success Success Success Success	Initiating Pr .XRY Version Connected to Device Name: Starting proc Connecting Connected wit Detecting SIM Identified as Passed PIN co Analyzing MF	3.6 OMNIKEY CardMan 6121 0 [] SIM Card ess of SIM (3.6) h TO Protocol type SIM Card de folder
	Module MAIN MAIN MAIN MAIN SIM SIM SIM SIM SIM SIM SIM SIM	Status Success Success Success Success Success Success Success Success Success Success Success Success Success	Initiating Pr .XRY Version Connected to Device Name: Starting proc Connecting Connected wit Detecting SIM Identified as Passed PIN co Analyzing MF Reading Gener	3.6 OMNIKEY CardMan 6121 0 [] SIM Card ess of SIM (3.6) h TO Protocol type SIM Card de folder al Information
	Module MAIN MAIN MAIN MAIN SIM SIM SIM SIM SIM SIM SIM SIM SIM	Status Success Success Success Success Success Success Success Success Success Success Success Success Success Success	Initiating Pr .XRY Version Connected to Device Name: Starting proc Connecting Connected wit Detecting SIM Identified as Passed PIN co Analyzing MF Reading Gener Reading Gener	3.6 OMNIKEY CardMan 6121 0 [] SIM Card ess of SIM (3.6) h TO Protocol type SIM Card de folder al Information al Information
	Module MAIN MAIN MAIN MAIN SIM SIM SIM SIM SIM SIM SIM SIM SIM SIM	Status Success Success Success Success Success Success Success Success Success Success Success Success Success Success Success	Initiating Pr .XRY Version Connected to Device Name: Starting proc Connecting Connected wit Detecting SIM Identified as Passed PIN co Analyzing MF Reading Gener Reading Gener Analyzing GSM	3.6 OMNIKEY CardMan 6121 0 [] SIM Card ess of SIM (3.6) h TO Protocol type SIM Card de folder al Information al Information Folder
	Module  MAIN MAIN MAIN SIM SIM SIM SIM SIM SIM SIM SIM SIM SIM	Status Success Success Success Success Success Success Success Success Success Success Success Success Success Success Success Success Success	Initiating Pr .XRY Version Connected to Device Name: Starting proc Connecting Connected wit Detecting SIM Identified as Passed PIN co Analyzing MF Reading Gener Analyzing GSM Reading Gener	3.6 OMNIKEY CardMan 6121 0 [] SIM Card ess of SIM (3.6) h TO Protocol type SIM Card de folder al Information al Information Folder al Information
	Module  MAIN MAIN MAIN SIM SIM SIM SIM SIM SIM SIM SIM SIM SIM	Status Success Success Success Success Success Success Success Success Success Success Success Success Success Success Success Success Success Success Success	Initiating Pr .XRY Version Connected to Device Name: Starting proc Connecting Connected wit Detecting SIM Identified as Passed PIN co Analyzing MF Reading Gener Reading Gener Reading Gener Reading Gener Reading Gener Reading Gener Reading Netwo	3.6 OMNIKEY CardMan 6121 0 [] SIM Card ess of SIM (3.6) h TO Protocol type SIM Card de folder al Information al Information Folder al Information rk Information
	Module  MAIN MAIN MAIN MAIN SIM SIM SIM SIM SIM SIM SIM SIM SIM SIM	Status Success	Initiating Pr .XRY Version Connected to Device Name: Starting proc Connecting Connected wit Detecting SIM Identified as Passed PIN co Analyzing MF Reading Gener Reading Gener Analyzing GSM Reading Gener Reading Gener Reading Gener Reading Netwo Reading Netwo	3.6 OMNIKEY CardMan 6121 0 [] SIM Card ess of SIM (3.6) h TO Protocol type SIM Card de folder al Information al Information Folder al Information rk Information PLMN Selector
	Module  MAIN MAIN MAIN SIM SIM SIM SIM SIM SIM SIM SIM SIM SIM	Status Success Success Success Success Success Success Success Success Success Success Success Success Success Success Success Success Success Success Success	Initiating Pr .XRY Version Connected to Device Name: Starting prod Connecting Connected wit Detecting SIM Identified as Passed PIN co Analyzing MF Reading Gener Reading Gener Reading Gener Reading Gener Reading Gener Reading Gener Reading Netwo Reading Netwo	<pre>3.6 OMNIKEY CardMan 6121 0 [] SIM Card ess of SIM (3.6) h TO Protocol type SIM Card de folder al Information al Information Folder al Information rk Information rk Information PLMN Selector rk Information Forbidden PLMNs</pre>
	Module  MAIN MAIN MAIN SIM SIM SIM SIM SIM SIM SIM SIM SIM SIM	Status Success	Initiating Pr .XRY Version Connected to Device Name: Starting proc Connecting Connected wit Detecting SIM Identified as Passed PIN co Analyzing MF Reading Gener Reading Gener Analyzing GSM Reading Gener Reading Gener Reading Gener Reading Netwo Reading Netwo	<pre>3.6 OMNIKEY CardMan 6121 0 [] SIM Card ess of SIM (3.6) h TO Protocol type SIM Card de folder al Information al Information Folder al Information rk Information rk Information PLMN Selector rk Information Forbidden PLMNs</pre>
	Module  MAIN MAIN MAIN SIM SIM SIM SIM SIM SIM SIM SIM SIM SIM	Status Success	Initiating Pr .XRY Version Connected to Device Name: Starting proc Connecting Connected wit Detecting SIM Identified as Passed PIN co Analyzing MF Reading Gener Reading Gener Reading Gener Reading Gener Reading Netwo Reading Netwo Reading Netwo Reading Netwo Analyzing Tel Reading SMS	<pre>3.6 OMNIKEY CardMan 6121 0 [] SIM Card ess of SIM (3.6) h TO Protocol type SIM Card de folder al Information al Information Folder al Information rk Information rk Information PLMN Selector rk Information Forbidden PLMNs</pre>

Test Case CF1	-SIMO-06	Micro Systemat	ion .XRY Version 3.6	
	SIM	Success	Read 4 positions, 1 used	
	SIM	Success	Reading Network Information	
	SIM	Success	Reading Contacts	
	SIM	Success	Read 250 positions, 10 used	
	SIM	Success	Reading Contacts (fixed numbers)	
	SIM	Success	Read 15 positions, 0 used	
	SIM	Success	Reading Calls (last dialled)	
	SIM	Success	Read 10 positions, 3 used	
	SIM	Success	Attempting to read 02 IMEI	
	SIM	Success	No IMEI Found	
	MAIN	Success	SIM (3.6) completed successfully	
	MAIN	Success	Processing completed successfully.	
	MAIN	Success	Total processing time: 0 minutes, 7 seconds	
	MAIN	Success	9 items read to General Information folder	
	MAIN	Success	10 items read to Contacts folder	
	MAIN	Success	3 items read to Calls folder	
	MAIN	Success	12 items read to SMS folder	
	MAIN	Success	13 items read to Network Information folder	
Results:				
	Asser	tion & Expected	Result Actual Result	
	A_SIM	0-64 SIM log fi	le output. as expected	
Analysis:	Expecte	ed results achie	eved	

# 5.2.35 CFT-SIMO-07 (T-Mobile SIM)

Test Case CF	-SIMO-07 Micro Systemation .XRY Vers	ion 3.6			
Case	CFT-SIMO-07 Acquire SIM internal men	mory and review data conta	aining foreign		
Summary:	language characters.				
Assertions:	A_SIMO-58 If a cellular forensic to	ol 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 generatea		
	A_SIMO-59 If a cellular forensic to	al augacastullu somplotos	agminition of		
	—		-		
	the target media (i.e., SIM) then the				
	in a human-readable format without	modification via supported	d generated		
	report formats.				
	A_SIMO-65 If the cellular forensic				
	language character sets then the app				
	dialing numbers (ADNs) containing for	oreign language character	s in their		
	native format without modification.				
	A_SIMO-66 If the cellular forensic				
	language character sets then the app				
	containing foreign language characte	ers in their native formation	t without		
	modification.				
Tester	rpa				
Name:					
Test Host:	Morrisy				
Test Date:	Fri Apr 4 12:43:30 EDT 2008				
Device:	TMOBILE SIM				
Source	OS: WIN XP				
Setup:	Interface: USB				
beeup	DATA OBJECTS	DATA ELEMENTS			
		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	ID)		
	Text Messages				
	Tene hebbageb	Incoming SMS - Read			
		Incoming SMS - Foreign			
		Incoming SMS - Deleted			
		Incoming SMS - Unread			
		Incoming Foreign EMS -	Read		
		Incoming EMS - Deleted			
Log	Created By .XRY Version 3.6				
Highlights:	Acquisition started: Fri Apr 4 12:4	3:30 EDT 2008			
ing in gine b	Acquisition finished: Fri Apr 4 12:44:21 EDT 2008				
	Acquisition finished: Fri Apr 4 12:44:21 EDT 2008				
	Complete representation of known data wie concreted reports was suggested				
	Complete representation of known data via generated reports was successful Complete representation of known data via preview-pane was successful				
	ADNs containing foreign characters were acquired and properly displayed				
	Text messages containing foreign characters were acquired and properly				
	displayed				
Results:			1		
	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.		as enpereed		
	A_SIMO-65 Acquisition of ADNs cont	aining foreign language	as exposted		
		arning foreign language	as expected		
	characters.				
	A_SIMO-66 Acquisition of text mess		as expected		

Test Case CFT	-SIMO-07 Micro Systemation .XRY Version 3.6	
	language characters.	
Analysis:	Expected results achieved	

Test Case CFT	-SIMO-08 Micro Systemation .XRY Versi	ion 3.6		
Case Summary:	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 and if the PIN attempts are decremented when entering an incorrect value.			
Assertions:	A_SIMO-67 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts then the application should provide an accurate count of the remaining PIN attempts.			
Tester Name:	rpa			
Test Host:	Morrisy			
Test Date:	Fri Apr 4 12:46:34 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			
		Incoming SMS - Read		
		Incoming SMS - Foreign		
		Incoming SMS - Deleted		
		Incoming SMS - Unread		
		Incoming Foreign EMS - Read		
		Incoming EMS - Deleted		
Log	Created By .XRY Version 3.6			
Highlights:	Acquisition started: Fri Apr 4 12:46:34 EDT 2008			
	Acquisition finished: Fri Apr 4 12:48:08 EDT 2008			
	Remaining number of PIN attempts properly displayed was successful			
Results:				
	Assertion & Expected Result	Actual Result		
	A_SIMO-67 Display of remaining number of PIN attempts. as expected			
Analysis:	Expected results achieved			

5.2.37	CFT-SIMO-09 (T-MODIIe	311VI <i>)</i>	
Test Case CF	-SIMO-09 Micro Systemation .XRY Versi	ion 3.6	
Case	CFT-SIMO-09 Begin acquisition on a	SIM whose PIN attempt	s have been
Summary:	exhausted to determine if the tool	provides an accurate	count of the
	remaining number of PUK attempts and	d if the PUK attempts	are decremented
	when entering an incorrect value.		
Assertions:	A_SIMO-68 If a cellular forensic to	ol provides the examin	ner with the
	remaining number of PUK attempts the	en the application sh	ould provide an
	accurate count of the remaining PUK	attempts.	
Tester	rpa		
Name:			
Test Host:	Morrisy		
Test Date:	Fri Apr 4 14:11:34 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 - De	leted Number
		Foreign Entry	
	Call Logs	2	
		Last Numbers Dialed	(LND)
	Text Messages		
		Incoming SMS - Read	
		Incoming SMS - Fore	
		Incoming SMS - Dele	-
		Incoming SMS - Unre	
		Incoming Foreign EM	
		Incoming EMS - Dele	
		incoming his bere	
Log	Created By .XRY Version 3.6		
Highlights:	Acquisition started: Fri Apr 4 14:1	1:34 EDT 2008	
5 5	Acquisition finished: Fri Apr 4 14:		
	Remaining number of PUK attempts pro	operly displayed was	successful
		_	
Results:			
	Assertion & Expected Result		Actual Result
	A_SIMO-68 Display of remaining num	ber of PUK attempts.	as expected
		-	

#### 5.2.37 CFT-SIMO-09 (T-Mobile SIM)

# 5.2.38 CFT-IM-01 (Motorola RAZR V3)

Case	-IM-01 Micro Systemation .	device internal memory over supported interfaces
Summary:	(e.g., cable, Bluetooth,	
Assertions:		rensic tool provides support for connectivity of
100001010110		he tool shall successfully recognize the target
		pported interfaces (e.g., cable, Bluetooth, IrDA).
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Apr 9 08:12:43 EDT 20	008
Device:	Motorola_RAZR_V3	,00
Source	OS: WIN XP	
Setup:	Interface: cable, Bluetoo	at h
becup.	DATA OBJECTS	DATA ELEMENTS
		DATA ELEMENTS
	Address Book Entries	Marriana Tarath
		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	
	0011 1030	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	Cathering him Derecta
	PIED PIEDDayed	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
		VIACO DEICECA

Test Case CF1	-IM-01 Micro Systemation .XRY Version 3.6	
Highlights:	Acquisition started: Wed Apr 9 08:12:43 EDT 2008	
	Acquisition finished: Wed Apr 9 08:19:21 EDT 2008	
	Device connectivity was established via supported inter Bluetooth)	face (i.e., cable,
	Notes: IrDA acquisition not supported.	
Results:		
	Assertion & Expected Result	Actual Result
	A_IM-01 Device connectivity via supported interfaces.	as expected
Analysis:	Expected results achieved	

# 5.2.39 CFT-IM-02 (Motorola RAZR V3)

TCDC Cube CII	-IM-02 Micro Systemation	.XRY Version 3.6
Case	CFT-IM-02 Attempt interr	al memory acquisition of a non-supported mobile
Summary:	device.	
Assertions:		prensic tool attempts to connect to a non-supported
	device then the tool sha	all have the ability to identify that the device is
	not supported.	
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Apr 9 08:24:21 EDT 2	2008
Device:	non-supported mobile dev	vice
Source	OS: WIN XP	
Setup:	Interface: cable	
_	DATA OBJECTS	DATA ELEMENTS
	Address Book Entries	
		Maximum Length
		Regular Length, email, picture
		Special Character
		Blank Name
		Regular Length, Deleted email - deleted picture
		Deleted Entry
		Foreign Entry
	DIM Data	LOTGTAIL BIICLA
	PIM Data	Marinum Longth
		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 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
	11	Video - Deleted
		•

Test Case CFT-	-IM-02 Micro Systemation .XRY Version 3.6		
Highlights:	Acquisition started: Wed Apr 9 08:24:21 EDT 2008		
	Acquisition finished: Wed Apr 9 08:26:27 EDT 2008		
	Identification of non-supported devices was success	sful	
Results:			
	Assertion & Expected Result	Actual Result	I
	A_IM-02 Identification of non-supported devices.	as expected	I
Analysis:	Expected results achieved		

# 5.2.40 CFT-IM-03 (Motorola RAZR V3)

Test Case CFI	-IM-03 Micro Systemation .	
Case	CFT-IM-03 Begin mobile d	evice internal memory acquisition and interrupt
Summary:	connectivity by interface	e disengagement.
Assertions:	A_IM-01 If a cellular for	rensic tool provides support for connectivity of
	the target device then the	ne tool shall successfully recognize the target
	device via all vendor su	pported interfaces (e.g., cable, Bluetooth, IrDA).
	A_IM-03 If a cellular for	rensic tool encounters disengagement between the
	device and application the	nen the application shall notify the user that
	connectivity has been dia	srupted.
Tester Name:	rpa	
Test Host:	Morrisy	
Test Date:	Wed Apr 9 08:34:52 EDT 2	008
Device:	Motorola_RAZR_V3	
Source	OS: WIN XP	
Setup:	Interface: cable	
	DATA OBJECTS	DATA ELEMENTS
	Address Book Entries	
		Maximum Length
		Regular Length, email, picture
		Special Character
		Blank Name
		Regular Length, Deleted email - deleted picture
		Deleted Entry
		Foreign Entry
	PIM Data	
		Maximum Length
		Regular Length
		Deleted Entry
		Special Character
	Call Logs	Special character
		Missed
		Missed - Deleted
		Incoming
		Incoming - Deleted Outgoing
	The set of the second second	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	- 1'
		Audio
		Audio - Deleted
		Image
		Image - Deleted
		Video
		Video - Deleted

Loq	Created By .XRY Version 3.6	
Highlights:	Acquisition started: Wed Apr 9 08:34:52 EDT 2008	
1119111191100	Acquisition finished: Wed Apr 9 08:35:24 EDT 2008	
	Device connectivity was established via supported interf Device acquisition disruption notification was successfu	
		11
Results:		Actual Result
Results:	Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces.	
Results:	Assertion & Expected Result	Actual Result
Results:	Assertion & Expected Result A_IM-01 Device connectivity via supported interfaces.	Actual Result as expected

# 5.2.41 CFT-IM-04 (Motorola RAZR V3)

<b>B</b> = = + 0 = -= -=		-
	-IM-04 Micro Systemation	
Case	-	device internal memory and review reported data
Summary:		generated reports for readability.
Assertions:		rensic tool provides support for connectivity of
	5	he tool shall successfully recognize the target
		pported interfaces (e.g., cable, Bluetooth, IrDA).
	A_IM-04 If a cellular for	rensic tool successfully completes acquisition of
	the target device then t	he tool shall have the ability to present acquired
	data elements in a human	-readable format via either a preview-pane or
	generated report.	<b>1 1</b>
	Jeneracea report.	
Tester	rpa	
Name:	ipa	
Test Host:	Moreni du	
	Morrisy	000
Test Date:	Wed Apr 9 08:37:15 EDT 2	008
Device:	Motorola_RAZR_V3	
Source	OS: WIN XP	
Setup:	Interface: cable	
	DATA OBJECTS	DATA ELEMENTS
	Address Book Entries	
		Maximum Length
		Regular Length, email, picture
		Special Character
		*
		Blank Name
		Regular Length, Deleted email - deleted picture
		Deleted Entry
		Foreign Entry
	PIM Data	
		Maximum Length
		Regular Length
		Deleted Entry
		Special Character
	Call Logs	
		Missed
		Missed - Deleted
		Incoming
		Incoming - Deleted
		Outgoing
		Outgoing - Deleted
	Text Messages	
		Incoming SMS - Read
		Incoming SMS - Unread
		Incoming SMS - Deleted
		Outgoing SMS
		Outgoing SMS - Deleted
		Incoming EMS - Read
		Incoming EMS - Unread
		Incoming Foreign EMS - Read
		Incoming EMS - Deleted
		Outgoing EMS
		Outgoing EMS - Deleted
	MMS Messages	
	MMS Messages	Incoming Audio
	MMS Messages	Incoming Audio
	MMS Messages	Incoming Image
	MMS Messages	Incoming Image Incoming Video
	MMS Messages	Incoming Image
	MMS Messages	Incoming Image Incoming Video
	MMS Messages	Incoming Image Incoming Video Outgoing Audio Outgoing Image
		Incoming Image Incoming Video Outgoing Audio
	MMS Messages	Incoming Image Incoming Video Outgoing Audio Outgoing Image Outgoing Video
		Incoming Image Incoming Video Outgoing Audio Outgoing Image Outgoing Video Audio
		Incoming Image Incoming Video Outgoing Audio Outgoing Image Outgoing Video Audio Audio - Deleted
		Incoming Image Incoming Video Outgoing Audio Outgoing Image Outgoing Video Audio Audio - Deleted Image
		Incoming Image Incoming Video Outgoing Audio Outgoing Image Outgoing Video Audio Audio - Deleted
		Incoming Image Incoming Video Outgoing Audio Outgoing Image Outgoing Video Audio Audio - Deleted Image

Test case CF1	-IM-04 Micro Systemation .XRY Version 3.6	
Log Highlights:	Created By .XRY Version 3.6 Acquisition started: Wed Apr 9 08:37:15 EDT 2008 Acquisition finished: Wed Apr 9 08:39:25 EDT 2008 Device connectivity was established via supported interface Readability and completeness of acquired data was successful <u>Notes</u> : Test case performed over supported Bluetooth interface produ results with the cable acquisition.	
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	

# 5.2.42 CFT-IM-05 (Motorola RAZR V3)

J.Z. <del>T</del> Z		
	T-IM-05 Micro Systemation	
Case	_	e device internal memory and review reported
Summary:		t related information (i.e., IMEI, MSISDN).
Assertions:	_	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
	generated report.	i readable format via crener a preview pane or
		prensic tool successfully completes acquisition of
		subscriber related information shall be presented in
	a human-readable format	without modification.
	A_IM-06 If a cellular fo	prensic tool successfully completes acquisition of
	the target device then e	equipment related information shall be presented in
	a human-readable format	without modification.
Tester	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Wed Apr 9 08:42:29 EDT 2	2008
Device:	Motorola_RAZR_V3	
Source	OS: WIN XP	
Setup:	Interface: cable	
	DATA OBJECTS	DATA ELEMENTS
	Address Book Entries	
		Maximum Length
		Regular Length, email, picture
		Special Character
		Blank Name
		Regular Length, Deleted email - deleted picture
		Deleted Entry
		Foreign Entry
	PIM Data	
		Maximum Length
		Regular Length
		Deleted Entry
		Special Character
	Call Logs	
		Missed
		Missed - Deleted
		Incoming
		Incoming - Deleted
		Outgoing
		Outgoing - Deleted
	Text Messages	
		Incoming SMS - Read
		Incoming SMS - Unread
		Incoming SMS - Deleted
		Outgoing SMS
		Outgoing SMS - Deleted
		Incoming EMS - Read
		Incoming EMS - Unread
		Incoming Foreign EMS - Read
		Incoming EMS - Deleted
		Outgoing EMS
		Outgoing EMS - Deleted
	MMS Messages	
		Incoming Audio
		Incoming Image
		Incoming Image
		Incoming Image Incoming Video Outgoing Audio
		Incoming Image Incoming Video

	I-IM-05 Micro Systemation .XRY Version 3.6	
	Audio	
	Audio - Deleted	
	Image	
	Image - Deleted	
	Video	
	Video - Deleted	
Log	Created By .XRY Version 3.6	
Highlights:	Acquisition started: Wed Apr 9 08:42:29 EDT 2008	
2 0	Acquisition finished: Wed Apr 9 08:45:38 EDT 2008	
	Readability and completeness of acquired data was successful Subscriber and Equipment related data (i.e., MSISDN, IMEI) we Notes: Test case performed over supported Bluetooth interface produce results with the cable acquisition.	ere acquired
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	as expected as expected
		*
	A_IM-04 Readability and completeness of acquired data via	as expected
	<ul> <li>A_IM-04 Readability and completeness of acquired data via supported reports.</li> <li>A_IM-05 Acquisition of MSISDN.</li> </ul>	as expected as expected
	A_IM-04 Readability and completeness of acquired data via supported reports.	as expected

# 5.2.43 CFT-IM-06 (Motorola RAZR V3)

Test Case CF	1-IM-00 MICLO Systemation		
Case	CFT-IM-06 Acquire mobile	e device internal memory and review reported PIM	
Summary:	related data.		
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	
	generated report.		
		prensic tool successfully completes acquisition of	
	_	all known address book entries shall be presented in	
	a human-readable format		
		prensic tool successfully completes acquisition of	
	_	all known maximum length address book entries shall	
	-	-readable format without modification.	
		prensic tool successfully completes acquisition of	
		all known address book entries containing special	
		sented in a human-readable format without	
	modification.		
		prensic tool successfully completes acquisition of	
	3	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	
	A_IM-13 If a cellular fo	prensic tool successfully completes acquisition of	
	the target device then all known datebook, calendar, note entries shall be		
	_		
	presented in a human-rea	adable format without modification.	
	presented in a human-rea		
	presented in a human-rea A_IM-14 If a cellular fo	adable format without modification. prensic tool successfully completes acquisition of	
	presented in a human-rea A_IM-14 If a cellular for the target device then a	adable format without modification. prensic tool successfully completes acquisition of	
	presented in a human-rea A_IM-14 If a cellular for the target device then a	adable format without modification. prensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries	
	presented in a human-rea A_IM-14 If a cellular for the target device then a	adable format without modification. prensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries	
Name:	presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa	adable format without modification. prensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries	
Name: Test Host:	presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy	adable format without modification. orensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification.	
Tester Name: Test Host: Test Date: Daviac:	presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Wed Apr 9 08:55:23 EDT 2	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:	presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Wed Apr 9 08:55:23 EDT 2 Motorola_RAZR_V3	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	presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Wed Apr 9 08:55:23 EDT 2 Motorola_RAZR_V3 OS: WIN XP	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	presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Wed Apr 9 08:55:23 EDT 2 Motorola_RAZR_V3 OS: WIN XP Interface: cable	adable format without modification. prensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. 2008	
Name: Fest Host: Fest Date: Device: Source	presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Wed Apr 9 08:55:23 EDT 2 Motorola_RAZR_V3 OS: WIN XP Interface: cable DATA OBJECTS	adable format without modification. orensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification.	
Name: Fest Host: Fest Date: Device: Source	presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Wed Apr 9 08:55:23 EDT 2 Motorola_RAZR_V3 OS: WIN XP Interface: cable	Adable format without modification. Derensic tool successfully completes acquisition of All maximum length datebook, calendar, note entries human readable format without modification. 2008 DATA ELEMENTS	
Name: Fest Host: Fest Date: Device: Source	presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Wed Apr 9 08:55:23 EDT 2 Motorola_RAZR_V3 OS: WIN XP Interface: cable DATA OBJECTS	Adable format without modification. Derensic tool successfully completes acquisition of All maximum length datebook, calendar, note entries human readable format without modification. 2008 DATA ELEMENTS Maximum Length	
Name: Fest Host: Fest Date: Device: Source	presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Wed Apr 9 08:55:23 EDT 2 Motorola_RAZR_V3 OS: WIN XP Interface: cable DATA OBJECTS	Adable format without modification. Derensic 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	
Name: Fest Host: Fest Date: Device: Source	presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Wed Apr 9 08:55:23 EDT 2 Motorola_RAZR_V3 OS: WIN XP Interface: cable DATA OBJECTS	Adable format without modification. Derensic 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	presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Wed Apr 9 08:55:23 EDT 2 Motorola_RAZR_V3 OS: WIN XP Interface: cable DATA OBJECTS	Adable format without modification. Derensic 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	
Name: Fest Host: Fest Date: Device: Source	presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Wed Apr 9 08:55:23 EDT 2 Motorola_RAZR_V3 OS: WIN XP Interface: cable DATA OBJECTS	Adable format without modification. Derensic 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	
Name: Fest Host: Fest Date: Device: Source	presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Wed Apr 9 08:55:23 EDT 2 Motorola_RAZR_V3 OS: WIN XP Interface: cable DATA OBJECTS	Adable format without modification. Derensic 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	
Name: Test Host: Test Date: Device: Source	presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Wed Apr 9 08:55:23 EDT 2 Motorola_RAZR_V3 OS: WIN XP Interface: cable DATA OBJECTS	adable format without modification. brensic 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 Deleted Entry	
Name: Test Host: Test Date: Device: Source	presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Wed Apr 9 08:55:23 EDT 2 Motorola_RAZR_V3 OS: WIN XP Interface: cable DATA OBJECTS Address Book Entries	Adable format without modification. Derensic 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: Test Host: Test Date: Device: Source	presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Wed Apr 9 08:55:23 EDT 2 Motorola_RAZR_V3 OS: WIN XP Interface: cable DATA OBJECTS	Adable format without modification. Derensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. DATA ELEMENTS 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	presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Wed Apr 9 08:55:23 EDT 2 Motorola_RAZR_V3 OS: WIN XP Interface: cable DATA OBJECTS Address Book Entries	Adable format without modification. Drensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. 2008	
Name: Test Host: Test Date: Device: Source	presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Wed Apr 9 08:55:23 EDT 2 Motorola_RAZR_V3 OS: WIN XP Interface: cable DATA OBJECTS Address Book Entries	Adable format without modification. Drensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. 2008	
Name: Fest Host: Fest Date: Device: Source	presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Wed Apr 9 08:55:23 EDT 2 Motorola_RAZR_V3 OS: WIN XP Interface: cable DATA OBJECTS Address Book Entries	adable format without modification. prensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. 2008	
Name: Fest Host: Fest Date: Device: Source	presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Wed Apr 9 08:55:23 EDT 2 Motorola_RAZR_V3 OS: WIN XP Interface: cable DATA OBJECTS Address Book Entries DATA OBJECTS Address Book Entries	Adable format without modification. Drensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. 2008	
Name: Test Host: Test Date: Device: Source	presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Wed Apr 9 08:55:23 EDT 2 Motorola_RAZR_V3 OS: WIN XP Interface: cable DATA OBJECTS Address Book Entries	Adable format without modification. Drensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. DATA ELEMENTS 2008 20	
Name: Fest Host: Fest Date: Device: Source	presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Wed Apr 9 08:55:23 EDT 2 Motorola_RAZR_V3 OS: WIN XP Interface: cable DATA OBJECTS Address Book Entries DATA OBJECTS Address Book Entries	Adable format without modification. Drensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. 2008	
Name: Test Host: Test Date: Device: Source	presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Wed Apr 9 08:55:23 EDT 2 Motorola_RAZR_V3 OS: WIN XP Interface: cable DATA OBJECTS Address Book Entries DATA OBJECTS Address Book Entries	Adable format without modification. Drensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. DATA ELEMENTS 2008 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	
Name: Test Host: Test Date: Device: Source	presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Wed Apr 9 08:55:23 EDT 2 Motorola_RAZR_V3 OS: WIN XP Interface: cable DATA OBJECTS Address Book Entries DATA OBJECTS Address Book Entries	Adable format without modification. Drensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. DATA ELEMENTS 2008 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 Maximum Length Regular Length Deleted Entry Special Character Missed	
Name: Test Host:	presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Wed Apr 9 08:55:23 EDT 2 Motorola_RAZR_V3 OS: WIN XP Interface: cable DATA OBJECTS Address Book Entries DATA OBJECTS Address Book Entries	Adable format without modification. Derensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. DATA ELEMENTS 2008 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 Maximum Length Regular Length Deleted Entry Special Character Missed Missed - Deleted Incoming	
Name: Test Host: Test Date: Device: Source	presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Wed Apr 9 08:55:23 EDT 2 Motorola_RAZR_V3 OS: WIN XP Interface: cable DATA OBJECTS Address Book Entries DATA OBJECTS Address Book Entries	adable format without modification. brensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. 2008	
Name: Test Host: Test Date: Device: Source	presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Wed Apr 9 08:55:23 EDT 2 Motorola_RAZR_V3 OS: WIN XP Interface: cable DATA OBJECTS Address Book Entries DATA OBJECTS Address Book Entries	adable format without modification. prensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. 2008	
Name: Test Host: Test Date: Device: Source	presented in a human-rea A_IM-14 If a cellular for the target device then a shall be presented in a rpa Morrisy Wed Apr 9 08:55:23 EDT 2 Motorola_RAZR_V3 OS: WIN XP Interface: cable DATA OBJECTS Address Book Entries DATA OBJECTS Address Book Entries	adable format without modification. brensic tool successfully completes acquisition of all maximum length datebook, calendar, note entries human readable format without modification. 2008	

	I-IM-06 Micro Systemation .X	RY Version 3.6	
		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	
	·		
	Created By .XRY Version 3.		
	Acquisition finished: Wed Device connectivity was es	stablished via supported interface	
	Acquisition finished: Wed Device connectivity was es Readability and completene All address book entries w ALL PIM related data was a Notes:	Apr 9 09:05:15 EDT 2008 stablished via supported interface ess of acquired data was successful were successfully acquired acquired supported Bluetooth interface produc	
	Acquisition finished: Wed Device connectivity was es Readability and completene All address book entries w ALL PIM related data was a Notes: Test case performed over s results with the cable acc	Apr 9 09:05:15 EDT 2008 stablished via supported interface ess of acquired data was successful were successfully acquired acquired supported Bluetooth interface produce guisition.	Actual Result
	Acquisition finished: Wed Device connectivity was es Readability and completene All address book entries w ALL PIM related data was a Notes: Test case performed over s results with the cable acc Assertion & Expected Resu A_IM-01 Device connectivity	Apr 9 09:05:15 EDT 2008 stablished via supported interface ess of acquired data was successful were successfully acquired acquired supported Bluetooth interface produce quisition.	Actual Result as expected
	Acquisition finished: Wed Device connectivity was es Readability and completene All address book entries w ALL PIM related data was a Notes: Test case performed over s results with the cable acc Assertion & Expected Resu A_IM-01 Device connectivity A_IM-04 Readability and c	Apr 9 09:05:15 EDT 2008 stablished via supported interface ess of acquired data was successful were successfully acquired acquired supported Bluetooth interface produce guisition.	Actual Result
	Acquisition finished: Wed Device connectivity was es Readability and completene All address book entries w ALL PIM related data was a Notes: Test case performed over s results with the cable acc Assertion & Expected Resu A_IM-01 Device connectivi A_IM-04 Readability and of supported reports.	Apr 9 09:05:15 EDT 2008 stablished via supported interface ess of acquired data was successful were successfully acquired acquired supported Bluetooth interface produc guisition. ult ity via supported interfaces. completeness of acquired data via	Actual Result as expected as expected
	Acquisition finished: Wed Device connectivity was es Readability and completene All address book entries w ALL PIM related data was a Notes: Test case performed over s results with the cable acc Assertion & Expected Resu A_IM-01 Device connectivity A_IM-04 Readability and of supported reports. A_IM-07 Acquisition of acc	Apr 9 09:05:15 EDT 2008 stablished via supported interface ess of acquired data was successful were successfully acquired acquired supported Bluetooth interface produc quisition. ult ity via supported interfaces. completeness of acquired data via ddress book entries.	Actual Result as expected as expected as expected
	Acquisition finished: Wed Device connectivity was es Readability and completene All address book entries w ALL PIM related data was a Notes: Test case performed over s results with the cable acc Assertion & Expected Resu A_IM-01 Device connectivity A_IM-04 Readability and of supported reports. A_IM-07 Acquisition of acc A_IM-08 Acquisition of matching	Apr 9 09:05:15 EDT 2008 stablished via supported interface ess of acquired data was successful were successfully acquired acquired supported Bluetooth interface produc guisition. ult ity via supported interfaces. completeness of acquired data via	Actual Result as expected as expected
	Acquisition finished: Wed Device connectivity was es Readability and completene All address book entries w ALL PIM related data was a Notes: Test case performed over s results with the cable acc A_IM-01 Device connectivity A_IM-04 Readability and of supported reports. A_IM-07 Acquisition of ac A_IM-08 Acquisition of ma entries.	Apr 9 09:05:15 EDT 2008 stablished via supported interface ess of acquired data was successful were successfully acquired acquired supported Bluetooth interface produc quisition. ult ity via supported interfaces. completeness of acquired data via ddress book entries. aximum length address book	Actual Result as expected as expected as expected as expected
	Acquisition finished: Wed Device connectivity was es Readability and completene All address book entries w ALL PIM related data was a Notes: Test case performed over s results with the cable acc A_IM-01 Device connectivity A_IM-04 Readability and of supported reports. A_IM-07 Acquisition of ac A_IM-08 Acquisition of ac A_IM-09 Acquisition of ac	Apr 9 09:05:15 EDT 2008 stablished via supported interface ess of acquired data was successful were successfully acquired acquired supported Bluetooth interface produc quisition. ult ity via supported interfaces. completeness of acquired data via ddress book entries.	Actual Result as expected as expected as expected
	Acquisition finished: Wed Device connectivity was es Readability and completene All address book entries w ALL PIM related data was a <b>Notes:</b> Test case performed over s results with the cable acc <b>Assertion &amp; Expected Resu</b> A_IM-01 Device connectivity A_IM-04 Readability and of supported reports. A_IM-07 Acquisition of ac A_IM-08 Acquisition of ac special characters.	Apr 9 09:05:15 EDT 2008 stablished via supported interface ess of acquired data was successful were successfully acquired acquired supported Bluetooth interface produc quisition. ult ity via supported interfaces. completeness of acquired data via ddress book entries. aximum length address book ddress book entries containing	Actual Result as expected as expected as expected as expected as expected as expected
	Acquisition finished: Wed Device connectivity was es Readability and completene All address book entries w ALL PIM related data was a <b>Notes:</b> Test case performed over s results with the cable acc <b>Assertion &amp; Expected Resu</b> A_IM-01 Device connectivity A_IM-04 Readability and c supported reports. A_IM-07 Acquisition of ac A_IM-08 Acquisition of ac special characters. A_IM-10 Acquisition of ac	Apr 9 09:05:15 EDT 2008 stablished via supported interface ess of acquired data was successful were successfully acquired acquired supported Bluetooth interface produc quisition. ult ity via supported interfaces. completeness of acquired data via ddress book entries. aximum length address book	Actual Result as expected as expected as expected as expected
	Acquisition finished: Wed Device connectivity was es Readability and completene All address book entries w ALL PIM related data was a <b>Notes:</b> Test case performed over as results with the cable acc <b>Assertion &amp; Expected Resu</b> A_IM-01 Device connectivi A_IM-04 Readability and of supported reports. A_IM-08 Acquisition of ac A_IM-09 Acquisition of ac special characters. A_IM-10 Acquisition of ac special characters.	Apr 9 09:05:15 EDT 2008 stablished via supported interface ess of acquired data was successful were successfully acquired acquired supported Bluetooth interface produc quisition. ult ity via supported interfaces. completeness of acquired data via ddress book entries. aximum length address book ddress book entries containing ddress book entries containing a	Actual Result as expected as expected as expected as expected as expected as expected
	Acquisition finished: Wed Device connectivity was es Readability and completene All address book entries w ALL PIM related data was a <b>Notes:</b> Test case performed over as results with the cable acc <b>Assertion &amp; Expected Resu</b> A_IM-01 Device connectivi A_IM-04 Readability and of supported reports. A_IM-07 Acquisition of ac A_IM-08 Acquisition of ac aspecial characters. A_IM-10 Acquisition of ac blank name entry. A_IM-11 Acquisition of en	Apr 9 09:05:15 EDT 2008 stablished via supported interface ess of acquired data was successful were successfully acquired acquired supported Bluetooth interface produc quisition. ult ity via supported interfaces. completeness of acquired data via ddress book entries. aximum length address book ddress book entries containing	Actual Result as expected as expected as expected as expected as expected as expected
	Acquisition finished: Wed Device connectivity was es Readability and completene All address book entries w ALL PIM related data was a Notes: Test case performed over as results with the cable acc A_IM-01 Device connective A_IM-04 Readability and of supported reports. A_IM-07 Acquisition of ac A_IM-08 Acquisition of ac special characters. A_IM-10 Acquisition of ac special characters. A_IM-10 Acquisition of ac blank name entry. A_IM-11 Acquisition of en address book entries.	Apr 9 09:05:15 EDT 2008 stablished via supported interface ess of acquired data was successful were successfully acquired acquired supported Bluetooth interface produc guisition. ult ity via supported interfaces. completeness of acquired data via ddress book entries. aximum length address book ddress book entries containing ddress book entries containing a mbedded email addresses within	Actual Result as expected as expected as expected as expected as expected as expected as expected as expected
	Acquisition finished: Wed Device connectivity was es Readability and completene All address book entries w ALL PIM related data was a Notes: Test case performed over as results with the cable acc Assertion & Expected Resu A_IM-01 Device connectivi A_IM-04 Readability and of supported reports. A_IM-07 Acquisition of ac A_IM-08 Acquisition of ac special characters. A_IM-10 Acquisition of ac blank name entry. A_IM-11 Acquisition of en address book entries.	Apr 9 09:05:15 EDT 2008 stablished via supported interface ess of acquired data was successful were successfully acquired acquired supported Bluetooth interface produc quisition. ult ity via supported interfaces. completeness of acquired data via ddress book entries. aximum length address book ddress book entries containing ddress book entries containing a	Actual Result as expected as expected as expected as expected as expected as expected
	Acquisition finished: Wed Device connectivity was es Readability and completene All address book entries w ALL PIM related data was a Notes: Test case performed over so results with the cable acco A_IM-01 Device connectivity A_IM-04 Readability and of supported reports. A_IM-07 Acquisition of ac A_IM-08 Acquisition of ac special characters. A_IM-09 Acquisition of ac special characters. A_IM-10 Acquisition of ac blank name entry. A_IM-11 Acquisition of er address book entries.	Apr 9 09:05:15 EDT 2008 stablished via supported interface ess of acquired data was successful were successfully acquired acquired supported Bluetooth interface produce quisition. ult ity via supported interfaces. completeness of acquired data via ddress book entries. aximum length address book ddress book entries containing ddress book entries containing a mbedded email addresses within mbedded graphics within address	Actual Result as expected as expected as expected as expected as expected as expected as expected as expected as expected
	Acquisition finished: Wed Device connectivity was es Readability and completene All address book entries w ALL PIM related data was a Notes: Test case performed over so results with the cable acco A_IM-01 Device connective A_IM-01 Device connective A_IM-04 Readability and of supported reports. A_IM-07 Acquisition of acc A_IM-08 Acquisition of acc special characters. A_IM-10 Acquisition of acc blank name entry. A_IM-11 Acquisition of en address book entries. A_IM-12 Acquisition of per book entries.	Apr 9 09:05:15 EDT 2008 stablished via supported interface ess of acquired data was successful were successfully acquired acquired supported Bluetooth interface produc guisition. ult ity via supported interfaces. completeness of acquired data via ddress book entries. aximum length address book ddress book entries containing ddress book entries containing a mbedded email addresses within	Actual Result as expected as expected as expected as expected as expected as expected as expected as expected
Highlights: Results:	Acquisition finished: Wed Device connectivity was es Readability and completene All address book entries w ALL PIM related data was a Notes: Test case performed over so results with the cable acc A_IM-01 Device connectivity A_IM-04 Readability and of supported reports. A_IM-07 Acquisition of ac A_IM-08 Acquisition of ac special characters. A_IM-09 Acquisition of ac special characters. A_IM-10 Acquisition of ac blank name entry. A_IM-11 Acquisition of en address book entries. A_IM-13 Acquisition of PI notes).	Apr 9 09:05:15 EDT 2008 stablished via supported interface ess of acquired data was successful were successfully acquired acquired supported Bluetooth interface produc guisition. ult ity via supported interfaces. completeness of acquired data via ddress book entries. aximum length address book ddress book entries containing ddress book entries containing a mbedded email addresses within mbedded graphics within address IM data (i.e., datebook/calendar,	Actual Result as expected as expected
	Acquisition finished: Wed Device connectivity was es Readability and completene All address book entries w ALL PIM related data was a Notes: Test case performed over so results with the cable acco A_IM-01 Device connective A_IM-01 Device connective A_IM-04 Readability and of supported reports. A_IM-07 Acquisition of acc A_IM-08 Acquisition of acc special characters. A_IM-10 Acquisition of acc blank name entry. A_IM-11 Acquisition of en address book entries. A_IM-12 Acquisition of per book entries.	Apr 9 09:05:15 EDT 2008 stablished via supported interface ess of acquired data was successful were successfully acquired acquired supported Bluetooth interface produc guisition. ult ity via supported interfaces. completeness of acquired data via ddress book entries. aximum length address book ddress book entries containing ddress book entries containing a mbedded email addresses within mbedded graphics within address IM 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
	Acquisition finished: Wed Device connectivity was es Readability and completene All address book entries w ALL PIM related data was a Notes: Test case performed over so results with the cable acc A_IM-01 Device connectivity A_IM-04 Readability and of supported reports. A_IM-07 Acquisition of ac A_IM-08 Acquisition of ac special characters. A_IM-09 Acquisition of ac special characters. A_IM-10 Acquisition of ac blank name entry. A_IM-11 Acquisition of en address book entries. A_IM-13 Acquisition of PI notes).	Apr 9 09:05:15 EDT 2008 stablished via supported interface ess of acquired data was successful were successfully acquired acquired supported Bluetooth interface produc guisition. ult ity via supported interfaces. completeness of acquired data via ddress book entries. aximum length address book ddress book entries containing ddress book entries containing a mbedded email addresses within mbedded graphics within address IM data (i.e., datebook/calendar,	Actual Result as expected as expected

# 5.2.44 CFT-IM-07 (Motorola RAZR V3)

Test Case CF1	-IM-07 Micro Systemation	.XRY Version 3.6
Case		e device internal memory and review reported call
Summary:	logs.	
Assertions:	÷	prensic tool provides support for connectivity of
IIBBCI CIOIIB		the tool shall successfully recognize the target
	device via all vendor su	apported 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
	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:	Wed Apr 9 10:06:46 EDT 2	2008
Device:	Motorola_RAZR_V3	
Source	OS: WIN XP	
Setup:	Interface: cable	
Deede	DATA OBJECTS	DATA ELEMENTS
	Address Book Entries	
	Address Book Entries	Mandau Tanaki
		Maximum Length
		Regular Length, email, picture
		Special Character
		Blank Name
		Regular Length, Deleted email - deleted picture
		Deleted Entry
		Foreign Entry
	PIM Data	rororgin Enory
		Maximum Length
		-
		Regular Length
		Deleted Entry
		Special Character
	Call Logs	
		Missed
		Missed - Deleted
		Incoming
		Incoming - Deleted
		Outgoing
	The set of the second second	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
	1.1	Image

	Image - Deleted	
	Video	
	Video - Deleted	
Loq	Created By .XRY Version 3.6	
Highlights:	Acquisition started: Wed Apr 9 10:06:46 EDT 2008 Acquisition finished: Wed Apr 9 10:09:01 EDT 2008	
	Device connectivity was established via supported interface Readability and completeness of acquired data was successful All Call Logs (incoming, outgoing) were acquired	
	Readability and completeness of acquired data was successful	ced consisten
Results:	Readability and completeness of acquired data was successful All Call Logs (incoming, outgoing) were acquired Notes: Test case performed over supported Bluetooth interface produc	ced consisten
Results:	Readability and completeness of acquired data was successful All Call Logs (incoming, outgoing) were acquired Notes: Test case performed over supported Bluetooth interface produc	ced consisten
Results:	Readability and completeness of acquired data was successful All Call Logs (incoming, outgoing) were acquired Notes: Test case performed over supported Bluetooth interface product results with the cable acquisition.	Actual
Results:	Readability and completeness of acquired data was successful All Call Logs (incoming, outgoing) were acquired <u>Notes</u> : Test case performed over supported Bluetooth interface produce results with the cable acquisition. Assertion & Expected Result	Actual Result

# 5.2.45 CFT-IM-08 (Motorola RAZR V3)

Test Case CF1	-IM-08 Micro Systemation	.XRY Version 3.6
Case	CFT-IM-08 Acquire mobile	e device internal memory and review reported text
Summary:	messages.	
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
		apported 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 either a preview-pane or
	generated report.	
		prensic tool successfully completes acquisition of
	the target device then a	all text messages (i.e., SMS, EMS) messages shall be
	presented in a human-rea	adable format without modification.
Tester	rpa	
Name:	-	
Test Host:	Morrisy	
Test Date:	Wed Apr 9 09:35:52 EDT 2	0000
		2008
Device:	Motorola_RAZR_V3	
Source	OS: WIN XP	
Setup:	Interface: cable	
	DATA OBJECTS	DATA ELEMENTS
	Address Book Entries	
		Maximum Length
		Regular Length, email, picture
		Special Character
		Blank Name
		Regular Length, Deleted email - deleted picture
		Deleted Entry
		Foreign Entry
	PIM Data	
	TIM Data	Marrimum Tanakh
		Maximum Length
		Regular Length
		Deleted Entry
		Special Character
	Call Logs	
		Missed
		Missed - Deleted
		Incoming
		Incoming - Deleted
		Outgoing
		Outgoing - Deleted
	Text Messages	
	Tene nebbuyeb	Incoming CMC - Read
		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 Moggaggag	Carlottia Pub Derecea
	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	
Loq	Created By .XRY Version 3.6	
Highlights:	Acquisition started: Wed Apr 9 09:35:52 EDT 2008 Acquisition finished: Wed Apr 9 09:39:33 EDT 2008	
	Device connectivity was established via supported interface Readability and completeness of acquired data was successful ALL text messages (SMS, EMS) were acquired	
	Readability and completeness of acquired data was successful	ced consisten
Results:	Readability and completeness of acquired data was successful ALL text messages (SMS, EMS) were acquired Notes: Test case performed over supported Bluetooth interface produc	ced consisten
Results:	Readability and completeness of acquired data was successful ALL text messages (SMS, EMS) were acquired Notes: Test case performed over supported Bluetooth interface produc	ced consisten
Results:	Readability and completeness of acquired data was successful ALL text messages (SMS, EMS) were acquired Notes: Test case performed over supported Bluetooth interface produce results with the cable acquisition.	Actual
Results:	Readability and completeness of acquired data was successful ALL text messages (SMS, EMS) were acquired <u>Notes</u> : Test case performed over supported Bluetooth interface produce results with the cable acquisition. <u>Assertion &amp; Expected Result</u>	Actual Result

# 5.2.46 CFT-IM-09 (Motorola RAZR V3)

Test Case CF	-IM-09 Micro Systemation	.XRY Version 3.6	
Case		e device internal memory and review reported MMS	
Summary:		a (i.e., text, audio, graphics, video).	
Assertions:		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).		
	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		
	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		
		n-readable format via either a preview-pane or	
	generated report.		
		prensic tool successfully completes acquisition of	
	-	all MMS messages and associated audio shall be	
	presented properly with	orensic tool successfully completes acquisition of	
		all MMS messages and associated images shall be	
	presented properly with		
		prensic tool successfully completes acquisition of	
		all MMS messages and associated video shall be	
	presented properly with	-	
	presenced property wrend		
Tester	rpa		
Name:			
Test Host:	Morrisy	2000	
Test Date: Device:	Wed Apr 9 09:41:47 EDT 2 Motorola_RAZR_V3	2008	
Source	OS: WIN XP		
Setup:	Interface: cable		
Deede	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	Foreign miery	
	FIM Data	Maximum Length	
		Regular Length	
		Deleted Entry	
		Special Character	
	Call Logs	Special character	
	Call Logs	Miggod	
		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 Audio Incoming Image	

Test Case CF1	-IM-09 Micro Systemation .XRY Version 3.6	
	Outgoing Audio	
	Outgoing Image	
	Outgoing Video	
	Stand-alone data files	
	Audio	
	Audio - Deleted	
	Image	
	Image - Deleted	
	Video	
	Video - Deleted	
Log Highlights:	Created By .XRY Version 3.6 Acquisition started: Wed Apr 9 09:41:47 EDT 2008 Acquisition finished: Wed Apr 9 09:43:17 EDT 2008 Device connectivity was established via supported interface Readability and completeness of acquired data was successful ALL MMS messages (Audio, Image, Video) were acquired <b>Notes:</b> QuickTime Version 7.4.1 was used to execute MMS attachments. Test case performed over supported Bluetooth interface produ results with the cable acquisition.	
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	as expected
	A_IM-04 Readability and completeness of acquired data via supported reports.	as expected
	A_IM-17 Acquisition of audio MMS messages.	ad ownodtod
	A_IM-17 Acquisition of audio MMS messages. A_IM-18 Acquisition of image MMS messages.	as expected as expected
		-
	A_IM-19 Acquisition of video MMS messages.	as expected
Analysis:	Expected results achieved	
лиатуртр.	Expected resures deliteved	

# 5.2.47 CFT-IM-10 (Motorola RAZR V3)

Test Case CFT	-IM-10 Micro Systemation	XRY Version 3.6
Case		device internal memory and review reported stand-
Summary:		i.e., audio, graphics, video).
Assertions:	A_IM-01 If a cellular fo:	rensic tool provides support for connectivity of
		ne tool shall successfully recognize the target
	device via all vendor su	pported interfaces (e.g., cable, Bluetooth, IrDA).
	A_IM-04 If a cellular fo:	rensic tool successfully completes acquisition of
	the target device then the	ne 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 stand-alone audio files shall be playable via
		cation or suggested third-party application without
	modification.	
		rensic tool successfully completes acquisition of
		ll stand-alone image files shall be viewable via
	modification.	cation or suggested third-party application without
		rensic tool successfully completes acquisition of
		ll stand-alone video files shall be viewable via
	-	cation or suggested third-party application without
	modification.	cation of suggested child-party application without
Tester	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Wed Apr 9 10:00:13 EDT 2	008
Device:	Motorola_RAZR_V3	
Source	OS: WIN XP	
Setup:	Interface: cable	
	DATA OBJECTS	DATA ELEMENTS
	Address Book Entries	Marinum Longth
		Maximum Length
		Regular Length, email, picture
		Special Character
		Blank Name
		Regular Length, Deleted email - deleted picture
		Deleted Entry
	DIM Data	Foreign Entry
	PIM Data	Marinum Tanath
		Maximum Length
		Regular Length
		Deleted Entry
		Special Character
	Call Logs	Mi was d
		Missed
		Missed - Deleted
		Incoming
		Incoming - Deleted
		Outgoing
		Outgoing - Deleted
	Text Messages	Tarawing (MQ 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 Image	
	Incoming Video	
	Outgoing Audio	
	Outgoing Image	
	Outgoing Video	
	Stand-alone data files	
	Audio	
	Audio - Deleted	
	Image	
	Image - Deleted	
	Video	
	Video - Deleted	
Log Highlights:	Created By .XRY Version 3.6 Acquisition started: Wed Apr 9 10:00:13 EDT 2008 Acquisition finished: Wed Apr 9 10:01:49 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 acquire Notes: Test case performed over supported Bluetooth interface produce results with the cable acquisition	ed
Results:	Notes:	ed
Results:	Notes: Test case performed over supported Bluetooth interface production results with the cable acquisition.	ed ced consistent Actual Result
Results:	<pre>Notes: Test case performed over supported Bluetooth interface product results with the cable acquisition. Assertion &amp; Expected Result A_IM-01 Device connectivity via supported interfaces.</pre>	ed ced consistent Actual Result as expected
esults:	Notes: Test case performed over supported Bluetooth interface production results with the cable acquisition.           Assertion & Expected Result           A_IM-01 Device connectivity via supported interfaces.           A_IM-04 Readability and completeness of acquired data via	ed ced consistent Actual Result
Results:	Notes: Test case performed over supported Bluetooth interface production results with the cable acquisition.           Assertion & Expected Result           A_IM-01 Device connectivity via supported interfaces.           A_IM-04 Readability and completeness of acquired data via supported reports.	ed ced consistent Actual Result as expected as expected
Results:	Notes: Test case performed over supported Bluetooth interface product results with the cable acquisition.           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.	ed ced consistent Actual Result as expected as expected as expected
Results:	Notes: Test case performed over supported Bluetooth interface product results with the cable acquisition.           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.	ed ced consistent Actual Result as expected as expected as expected as expected
Results:	Notes: Test case performed over supported Bluetooth interface product results with the cable acquisition.           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.	ed ced consistent Actual Result as expected as expected as expected

5.2.48	CFT-IMO-01	(Motorola RAZR V3)
--------	------------	--------------------

Case		e device internal memory and review reported data
Summary:	via supported generated	
Assertions:		orensic tool successfully completes acquisition of
	_	he tool shall present the acquired data without
	modification via support	ed generated report formats.
The set of a Maria a		
Tester Name:	rpa	
Test Host:	Morrisy	2000
Test Date: Device:	Fri Apr 11 12:18:47 EDT Motorola_RAZR_V3	2008
Source	OS: WIN XP	
Setup:	Interface: cable	
Secup.	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
		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	-IMO-01 Micro Systemation .XRY Version 3.6	
Highlights:	Acquisition started: Fri Apr 11 12:18:47 EDT 2008	
	Acquisition finished: Fri Apr 11 12:23:23 EDT 2008	
	Acquisition finished: Fri Apr 11 12:27:57 EDT 2008	
	Complete representation of known data via generated report	s was successful
Results:		
Results:	Assertion & Expected Result	Actual
Results:	Assertion & Expected Result	Actual Result
Results:	Assertion & Expected Result A_IMO-38 Comparison of known device data elements via generated reports.	
Results: Analysis:	A_IMO-38 Comparison of known device data elements via	Result

5.2.49	CFT-IMO-02	(Motorola RAZR V3)
--------	------------	--------------------

Case	CFT-IMO-02 Acquire mobil	-IMO-02 Micro Systemation .XRY Version 3.6 CFT-IMO-02 Acquire mobile device internal memory and review reported data		
Summary:	via the preview-pane.			
Assertions:	A_IMO-39 If a cellular forensic tool successfully completes acquisition o			
	_	the tool shall present the acquired data without		
	modification in a preview-pane view.			
Tester Name:	rpa			
Test Host:	Morrisy	2000		
Test Date: Device:	Fri Apr 11 12:26:06 EDT Motorola_RAZR_V3	2008		
Source	OS: WIN XP			
Setup:	Interface: cable			
Secup.	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	Special character		
		Missed		
		Missed - Deleted		
		Incoming		
		Incoming - Deleted		
		Outgoing		
		Outgoing - Deleted		
	Text Messages			
	Tene hebbageb	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		
	<u> </u>	1.1400 D010004		

Test Case CFT-IMO-02 Micro Systemation .XRY Version 3.6			
Highlights:	Acquisition started: Fri Apr 11 12:26:06 EDT 2008		
	Complete representation of known data via preview-pane was successful		
Results:			
	Assertion & Expected Result	Actual	
		Result	
	A_IMO-39 Comparison of known device data elements via	as expected	
	preview-pane.		
Analysis:	Expected results achieved		

Test Case CFT	-IMO-03 Micro Systemation	
Case	CFT-IMO-03 Acquire mobile	e device internal memory and compare reported data
Summary:	via the preview-pane and	supported generated reports.
Assertions:		prensic tool successfully completes acquisition of
		he 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	
	comprocessory of all report	
Tester Name:	rpa	
Test Host:		
	Morrisy	20.00
Test Date:	Fri Apr 11 12:28:54 EDT 2	2008
Device:	Motorola_RAZR_V3	
Source	OS: WIN XP	
Setup:	Interface: cable	
	DATA OBJECTS	DATA ELEMENTS
	Address Book Entries	
		Maximum Length
		Regular Length, email, picture
		Special Character
		Blank Name
		Regular Length, Deleted email - deleted picture
		Deleted Entry
		Foreign Entry
	PIM Data	
		Maximum Length
		Regular Length
		Deleted Entry
		Special Character
	Call Logs	-
		Missed
		Missed - Deleted
		Incoming
		Incoming - Deleted
		Outgoing
		Outgoing - Deleted
	Text Messages	
		Incoming SMS - Read
		Incoming SMS - Unread
		Incoming SMS - Deleted
		Outgoing SMS
		Outgoing SMS - Deleted
		Incoming EMS - Read
		Incoming EMS - Unread
		Incoming Foreign EMS - Read
	<u> </u>	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

## 5.2.50 CFT-IMO-03 (Motorola RAZR V3)

	Video - Deleted	
Log Highlights:	Created By .XRY Version 3.6 Acquisition started: Fri Apr 11 12:28:54 EDT 2008 Acquisition finished: Fri Apr 11 12:30:47 EDT 2008 Complete representation of known data via generated reports of Complete representation of known data via preview-pane was so Consistency between generated reports and preview-pane was so	uccessful
Results:	Assertion & Expected Result	Actual
		Result
	A_IMO-38 Comparison of known device data elements via generated reports.	as expected
	generated reports. A_IMO-39 Comparison of known device data elements via	as expected

## 5.2.51 CFT-IMO-04 (Motorola RAZR V3)

Case		ssful mobile device internal memory acquisition,
Summary:		third party means and attempt to re-open the case.
Assertions:		is attempted to the case file or individual data
		means then the tool shall provide protection
	mechanisms disallowing o	r reporting data modification.
Tester Name:	rpa	
Test Host:	Morrisy	2000
Test Date: Device:	Fri Apr 11 12:31:21 EDT Motorola_RAZR_V3	2008
Source	OS: WIN XP	
Setup:	Interface: cable	
becup.	DATA OBJECTS	DATA ELEMENTS
	Address Book Entries	
	Address book Enerres	Maximum Length
		Regular Length, email, picture
		Special Character
		Blank Name
		Regular Length, Deleted email - deleted picture
		Deleted Entry
		Foreign Entry
	PIM Data	5
		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
	<u></u>	

Test Case CFT	-IMO-04 Micro Systemation .XRY Version 3.6	
Highlights:	Acquisition started: Fri Apr 11 12:31:21 EDT 2008	
	Acquisition finished: Fri Apr 11 12:34:34 EDT 2008	
	Notification of modified case data was successful	
	Notes: Case File Encryption has to be selected before Acquis.	ition
Results:		
Results:	Assertion & Expected Result	Actual Result
Results:	Assertion & Expected Result A_IMO-41 Notification of modified device case data.	Actual Result as expected
Results:		

## 5.2.52 CFT-IMO-07 (Motorola RAZR V3)

	-IMO-07 Micro Systemation	
Case	CFT-IMO-07 Create a SIM	access card via vendor documentation.
Summary:		
Assertions:		forensic tool supports SIM access card creation
		shall be completed without errors via manufacturer
	suggested protocols. Ac	cess cards characteristics should be consistent
	with vendor documentation	on.
Tester	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Fri Apr 11 12:38:51 EDT	2008
Device:	ATT_SIM	
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
	DIM Data	Foreign Entry
	PIM Data	Mandaum Tanath
		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 - Deleted
		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
	Chand along data filler	
	Stand-alone data files	Dudi -
		Audio
		Audio - Deleted
		Image
		Image - Deleted
		Video
		Video - Deleted

Test Case CFT	-IMO-07 Micro Systemation .XRY Ver	rsion 3.6	
Log Highlights:	Created By .XRY Version 3.6 Acquisition started: Fri Apr 11 Acquisition finished: Fri Apr 11 Access card creation was success	12:44:25 EDT 200	
Results:			
	Assertion & Expected Result	Actual Result	
	A_IMO-51 Access card creation.	as expected	
Analysis:	Expected results achieved		

5.2.53 CFT-IMO-	08 (Motorola RAZR V3)
-----------------	-----------------------

Summary: Assertions: Tester Name:	application should prese	forensic tool supports log creation then the
Tester	application should prese	forensic tool supports log creation then the
	in a human-readable form	nt the log files outlining the acquisition process
	rpa	
Test Host:	Morrisy	
Test Date:	Fri Apr 11 12:45:36 EDT	2008
Device:	Motorola_RAZR_V3	
Source	OS: WIN XP	
Setup:	Interface: cable	
	DATA OBJECTS	DATA ELEMENTS
	Address Book Entries	
		Maximum Length
		Regular Length, email, picture
		Special Character
		Blank Name
		Regular Length, Deleted email - deleted picture Deleted Entry
		Foreign Entry
	PIM Data	FOICIGH ENCLY
		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	
		Incoming Audio
		Incoming Image
		Incoming Video
		Outgoing Audio
		Outgoing Image
		Outgoing Video
	Stand-alone data files	
		Audio
		Audio - Deleted
		Image Deleted
		Image - Deleted
		Video Nideo Deleted
	L	Video - Deleted

	1	Systemation .X	
Log	-	XRY Version 3.6	
Highlights:			or 11 12:45:36 EDT 2008
	Acquisition	finished: Fri A	pr 11 12:48:41 EDT 2008
	and the set		
	Creation of	complete and hu	man-readable log files was successful
	Notes:		
	XRY Log		
		<u>.</u>	
	Module	Status	Message
	MAIN	Success	Initiating Process
	MAIN	Success	.XRY Version 3.6
	MAIN	Success	Connected to Motorola USB Modem #3 [COM11]
	MAIN	Success	Device Name: Motorola V3
	MAIN	Success	CGMI Resp = [+CGMI: "Motorola CE, Copyright
	2004"]	_	
	MAIN	Success	CGMM Resp = [+CGMM:
			", "GSM850", "MODEL=V3re"]
	MAIN	Success	CGMR Resp = [+CGMR: "R3442A_G_0E.43.08R"]
	MAIN	Success	I3 Resp = [Motorola Mobile Phone]
	MAIN	Success	Starting process of GSM0707 (3.5)
	GSM0707	Success	Connecting
	GSM0707	Success	Analyzing General Information
	GSM0707	Success	Reading General Information
	GSM0707	Success	Disconnecting
	MAIN	Success	GSM0707 (3.5) completed successfully
	MAIN	Success	Starting process of Motorola (3.5)
	MOTOROLA	Success	Connecting
	MOTOROLA	Success	Analyzing Contacts
	MOTOROLA	Success	Reading Contacts ME
	MOTOROLA	Success	Reading Contacts SM
	MOTOROLA	Success	Analyzing Calls
	MOTOROLA	Success	Reading Calls DC
	MOTOROLA	Success	Reading Calls MC
	MOTOROLA	Success	Reading Calls RC
	MOTOROLA	Success	Analyzing Calendar
	MOTOROLA	Success	Reading Calendar
	MOTOROLA	Success	Analyzing SMS
	MOTOROLA	Success	Reading SMS IM (6 items)
	MOTOROLA	Success	Disconnecting
	MAIN	Success	Motorola (3.5) completed successfully
	MAIN	Success	Starting process of OBEX (3.5)
	OBEX	Success	Connecting
	OBEX	Success	Connecting OBEX
	OBEX	Success	Analyzing
	OBEX	Success	Analyzing audio
	OBEX	Success	Reading chare.wav
	OBEX	Success	Reading french.mp3
	OBEX	Success	Analyzing video
	OBEX	Success	Reading 11-30-07_1038.3gp
	OBEX	Success	Reading 11-30-07_0954.3gp
	OBEX	Success	Reading 11-30-07_1037.3gp
	OBEX	Success	Analyzing picture
	OBEX	Success	Reading emma-girl.jpg
	OBEX	Success	Reading 11-28-07_1330.jpg
	OBEX	Success	Reading 11-30-07_0856.jpg
	OBEX	Success	Reading Sunset.jpg
	OBEX	Success	Reading 11-28-07_1335.jpg
	OBEX	Success	Disconnecting OBEX
	OBEX	Success	Disconnecting
	MAIN	Success	OBEX (3.5) completed successfully
	MAIN	Success	Processing completed successfully.
	MAIN	Success	Total processing time: O minutes, 59 seconds
	MAIN	Success	11 items read to General Information folder
	MAIN	Success	14 items read to Contacts folder
	MAIN	Success	1 items read to Calendar folder
	MAIN	Success	6 items read to SMS folder
	MAIN	Success	5 items read to Pictures folder

Test Case C	FT-IMO-08 Micr	o Systemation .	XRY Vers	ion 3.6	
	MAIN	Success	3 it	ems read to	Videos fol
	MAIN	Success	2 it	ems read to	Audio folde:
Results:	Assertion	& Expected Resu	ılt	Actual Re	sult
		evice Log file		as expected	
Analysis:		sults achieved			

## 5.2.54 CFT-IMO-09 (Motorola RAZR V3)

Test Case CF1	-IMO-09 Micro Systemation	
Case	_	le device internal memory and review data containing
Summary:	foreign language charac	
Assertions:		forensic tool successfully completes acquisition of
	-	the tool shall present the acquired data without
		ted generated report formats.
	A_IMO-39 If a cellular	forensic tool successfully completes acquisition of
	the target device then	the tool shall present the acquired data without
	modification in a previ	
	A_IMO-53 If the cellula:	r forensic tool supports proper display of foreign
	language character sets	then the application should present address book
	entries containing fore	ign language characters in their native format
	without modification.	
	A_IMO-54 If the cellula:	r forensic tool supports proper display of foreign
		then the application should present text messages
	containing foreign lang	uage characters in their native format without
	modification.	
Tester	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Fri Apr 11 12:51:57 EDT	2008
Device:	Motorola_RAZR_V3	
Source	OS: WIN XP	
Setup:	Interface: cable	
	DATA OBJECTS	DATA ELEMENTS
	Address Book Entries	
		Maximum Length
		Regular Length, email, picture
		Special Character
		Blank Name
		Regular Length, Deleted email - deleted picture
		Deleted Entry
		Foreign Entry
	PIM Data	
		Maximum Length
		Regular Length
		Deleted Entry
		Special Character
	Call Logs	
		Missed
		Missed - Deleted
		Incoming Deleted
		Incoming - Deleted
		Outgoing
		Outgoing - Deleted
	Text Messages	
		Incoming SMS - Read
		Incoming SMS - Unread
		Incoming SMS - Deleted
		Outgoing SMS
		Outgoing SMS - Deleted
		Incoming EMS - Read
		Incoming EMS - Unread
		Incoming Foreign EMS - Read
		Incoming EMS - Deleted
		Outgoing EMS
		Outgoing EMS - Deleted
	MMS Messages	
		Incoming Audio
		Incoming Image
		Incoming Video
		Outgoing Audio
		Outgoing Image
		Outgoing Video

	Stand-alone data files	
	Audio	
	Audio - Deleted	
	Image	
	Image - Deleted	
	Video	
	Video - Deleted	
Log Highlights:	Created By .XRY Version 3.6 Acquisition started: Fri Apr 11 12:51:57 EDT 2008 Acquisition finished: Fri Apr 11 12:54:20 EDT 2008	
	Complete representation of known data via generated reports Complete representation of known data via preview-pane was s Foreign character Address book entries were acquired and pro	successful operly displaye
Results:	Complete representation of known data via preview-pane was s	successful operly displaye
Results:	Complete representation of known data via preview-pane was s Foreign character Address book entries were acquired and pro Foreign character text messages were acquired and properly d	successful operly displaye displayed Actual
Results:	Complete representation of known data via preview-pane was s Foreign character Address book entries were acquired and pro Foreign character text messages were acquired and properly d Assertion & Expected Result A_IMO-38 Comparison of known device data elements via	successful operly displaye displayed Actual Result
Results:	Complete representation of known data via preview-pane was s Foreign character Address book entries were acquired and pro Foreign character text messages were acquired and properly d 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	successful operly displayed displayed Actual Result as expected
Results:	Complete representation of known data via preview-pane was as Foreign character Address book entries were acquired and properly d Foreign character text messages were acquired and properly d 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 preview-pane. A_IMO-53 Acquisition of address book entries containing	Actual Result as expected
Results: Analysis:	Complete representation of known data via preview-pane was as Foreign character Address book entries were acquired and properly de Foreign character text messages were acquired and properly de 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 preview-pane. A_IMO-53 Acquisition of address book entries containing foreign language characters. A_IMO-54 Acquisition of outgoing text messages containing	Actual Result as expected as expected as expected

## 5.2.55 CFT-IMO-11 (Motorola RAZR V3)

Test Case CFT	-IMO-11 Micro Systemation	.XRY Version 3.6	
Case	CFT-IMO-11 Acquire mobile device internal memory and review hash values for		
Summary:	vendor supported data objects.		
Assertions:	—	prensic tool successfully completes acquisition of	
	-	ne tool shall present the acquired data without	
	modification via supported generated report formats.		
		prensic tool successfully completes acquisition of	
		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.		
Tester Name: Test Host:	rpa		
	Morrisy	2000	
Test Date:	Fri Apr 11 12:55:41 EDT 2	2008	
Device:	Motorola_RAZR_V3		
Source	OS: WIN XP Interface: cable		
Setup:	DATA OBJECTS	DATA ELEMENTS	
		DAIA ELEMENIS	
	Address Book Entries	Marrimum Tanath	
		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	ourdornd Two - Dereced	
	THD PESSAGES	Incoming Audio	
		Incoming Image	
		Incoming Video	
		Outgoing Audio	
		Outgoing Image	
		Outgoing Video	
	Stand-alone data files		
		Audio	
		Audio - Deleted	

Test Case CF	-IMO-11 Micro Systemation .XRY Version 3.6	
	Image - Deleted	
	Video	
	Video - Deleted	
Log Highlights:	Created By .XRY Version 3.6	
Results:	SHA1 and MD5 hashes were successfully calculated for pictu: audio.	res, video, and
	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-56 Device hash reporting for individual acquired data objects.	as expected

5.2.30	CF1-51101 (A	I & I SIIVI)	
Test Case CFT	-SIM-01 Micro Systemation .X	RY Version 3.6	
Case	CFT-SIM-01 Acquire SIM over	supported interfaces (e.g., PC/SC reader	`,
Summary:	proprietary reader).		
Assertions:	A_SIM-23 If a cellular fore	ensic tool provides support for connectivi	ty of
	the target SIM then the too	ol shall successfully recognize the target	SIM
	via all vendor supported in	terfaces (e.g., PC/SC reader, proprietary	-
	reader).		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Thu Apr 3 14:01:20 EDT 2008		
Device:	ATT_SIM		
Source	OS: WIN XP		
Setup:	Interface: USB		
-	DATA OBJECTS	DATA ELEMENTS	
	Abbreviated Dialing Number	rs (ADN)	
		Maximum Length	
		Special Character	
		Blank Name	
		Regular Length - Deleted Number	r
		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	Created By .XRY Version 3.0		
Highlights:	Acquisition started: Thu Ap		
	Acquisition finished: Thu A	Apr 3 14:05:39 EDT 2008	
	Media connectivity was established via supported interface		
	media connectivity was esta	withick via supported interface	
Results:			
	Assertion & Expected Resu		t i
	A_SIM-23 SIM connectivity	via supported interfaces. as expected	
Analysis:	Expected results achieved		

#### 5.2.56 CFT-SIM-01 (AT&T SIM)

J.Z.J1		n <i>)</i>	
Test Case CFI	-SIM-02 Micro Systemation .XRY Versio	n 3.6	
Case	CFT-SIM-02 Attempt acquisition of a	non-supported SIM.	
Summary:			
Assertions:	A_SIM-24 If a cellular forensic too	l attempts to connect to a non-supported	
	SIM then the tool shall have the ab	ility to identify that the SIM is not	
	supported.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Thu Apr 3 14:07:09 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	Created By .XRY Version 3.6		
Highlights:	Acquisition started: Thu Apr 3 14:0		
	Acquisition finished: Thu Apr 3 14:	08:07 EDT 2008	
	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		

#### 5.2.57 CFT-SIM-02 (AT&T SIM)

# 5.2.58 CFT-SIM-03 (AT&T SIM)

Test Case CTT	-SIM-03 Micro Systemation .XRY Version	, 136	
Case	CFT-SIM-03 Begin SIM acquisition and		inity by interface
Summary:	disengagement.	inceriupt connect	IVILY by Incertace
Assertions:	A_SIM-23 If a cellular forensic tool provides support for connectivity of		
Assertions.	the target SIM then the tool shall s		
	via all vendor supported interfaces		
	reader).	(e.g., PC/SC reade	i, proprietary
	A_SIM-25 If a cellular forensic tool	encounters disend	agement between the
	SIM reader and application then the		
	connectivity has been disrupted.	appricación bharr	notify the aber that
	connectivity has been distupted.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Thu Apr 3 14:09:03 EDT 2008		
Device:	ATT_SIM		
Source	OS: WIN XP		
Setup:	Interface: USB		
	DATA OBJECTS	DATA ELEMENTS	
	Abbreviated Dialing Numbers (ADN)		
		Maximum Length	
		Special Character	r
		Blank Name	
		Regular Length -	Deleted Number
		Foreign Entry	
	Call Logs		
		Last Numbers Dia	led (LND)
	Text Messages		
		Incoming SMS - Re	ead
		Incoming SMS - Fo	oreign
		Incoming SMS - De	eleted
		Incoming SMS - Ur	nread
		Incoming Foreign	EMS - Read
		Incoming EMS - De	eleted
Log	Created By .XRY Version 3.6		
Highlights:	Acquisition started: Thu Apr 3 14:09		
	Acquisition finished: Thu Apr 3 14:1	0:02 EDT 2008	
	Media connectivity was established via supported interface Media acquisition disruption notification was successful		
	Media acquisition disruption notific	ation was successi	ui
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
			IIIIIIaa
Analysis:	Expected results achieved		

# 5.2.59 CFT-SIM-04 (AT&T SIM)

Test Case CFT	-SIM-04 Micro Systemation .XRY Version	1 3.6	
Case	CFT-SIM-04 Attempt acquisition on a p		
Summary:			
Assertions:	A_SIM-23 If a cellular forensic tool provides support for connectivity of		
	the target SIM then the tool shall su		
	via all vendor supported interfaces	(e.g., PC/SC reader, pro	oprietary
	reader).		
	A_SIM-26 If the SIM is password-prote		
	shall provide the examiner with the o	opportunity to input the	e PIN before
	acquisition.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Thu Apr 3 14:11:27 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	
		Incoming Foreign EMS -	
		Incoming EMS - Deleted	
-			
Log Highlights:	Created By .XRY Version 3.6	·27 EDT 2008	
ardurraura:	Acquisition started: Thu Apr 3 14:11		
	Acquisition finished: Thu Apr 3 14:12:25 EDT 2008		
	Media connectivity was established vi	ia supported interface	
	Ability to enter PIN on protected med		was successful
			1
Results:			
	Assertion & Expected Result		Actual Result
	A_SIM-23 SIM connectivity via suppo:	rted interfaces	as expected
	A_SIM-26 Password entry before acqui		as expected as expected
	SIMs.	isition for protected	up expected
	51115.		l
Analysis:	Expected results achieved		

5.2.60	CFT-SIM-05 (AT&T SI	IVI )	
Test Case CFT	-SIM-05 Micro Systemation .XRY Versio	on 3.6	
Case	CFT-SIM-05 Acquire SIM internal mem	ory and review reported da	ata via the
Summary:	preview-pane or generated reports f	or readability.	
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 too the target SIM then the tool shall data in a human-readable format via report.	have the ability to presen	nt acquired
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Thu Apr 3 14:13:14 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	licua
Log	Created By .XRY Version 3.6		
Highlights:	Acquisition started: Thu Apr 3 14:1 Acquisition finished: Thu Apr 3 14:		
	Media connectivity was established Readability and completeness of acq		
Results:			
	Assertion & Expected Result		Actual Result
	A_SIM-23 SIM connectivity via supp	orted interfaces.	as expected
	A_SIM-27 Readability and completen supported reports.	less of acquired data via	as expected
Ano lucio.	Emosted yesults ashieved		
Analysis:	Expected results achieved		

### 5.2.60 CFT-SIM-05 (ΔΤ&T SIM)

# 5.2.61 CFT-SIM-06 (AT&T SIM)

Test Case CF1	-SIM-06 Micro Systemation .XRY Versio	on 3.6	
Case	CFT-SIM-06 Acquire SIM internal memo		ubscriber and
Summary:	equipment related information (i.e., SPN, ICCID, IMSI, MSISDN).		
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		
	reader).	(1.5., 1.1, 2.1, 1.1, 1.1, 1.1, 1.1, 1.1, 1.	
	A_SIM-27 If a cellular forensic tool	l successfully completes a	acquisition of
	the target SIM then the tool shall h		
	data in a human-readable format via		-
	report.	citilei pieview palle or ge	cilciacea
	A_SIM-28 If a cellular forensic tool	l successfully completes a	acquisition of
	the target SIM then the SPN shall be		-
	without modification.		adabie format
	A_SIM-29 If a cellular forensic tool	l successfully completes a	acquisition of
	the target SIM then the ICCID shall		
	without modification.	be presented in a naman i	
	A_SIM-30 If a cellular forensic tool	l successfully completes a	acquisition of
	the target SIM then the IMSI shall b		
	without modification.	be presented in a naman re	cadabic format
	A_SIM-31 If a cellular forensic tool	l successfully completes	acquisition of
	the target SIM then the MSISDN shall		
	format without modification.	T DC Presenced in a numbin-	TGAUADIE
	TOT MAL WITHOUT MOUILICATION.		
Tester Name:			
Test Host:	rpa Morrisy		
	Morrisy Thu Apr 3 14:16:10 EDT 2008		
Test Date:	-		
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 - Deleted	
		Incoming SMS - Unread	Read
		Incoming SMS - Unread Incoming Foreign EMS -	Read
		Incoming SMS - Unread	Read
		Incoming SMS - Unread Incoming Foreign EMS -	Read
		Incoming SMS - Unread Incoming Foreign EMS -	Read
Log	Created By VDV Vorging 2.6	Incoming SMS - Unread Incoming Foreign EMS -	Read
-	Created By .XRY Version 3.6	Incoming SMS - Unread Incoming Foreign EMS - Incoming EMS - Deleted	Read
•	Acquisition started: Thu Apr 3 14:10	Incoming SMS - Unread Incoming Foreign EMS - Incoming EMS - Deleted 6:10 EDT 2008	Read
-		Incoming SMS - Unread Incoming Foreign EMS - Incoming EMS - Deleted 6:10 EDT 2008	Read
-	Acquisition started: Thu Apr 3 14:10 Acquisition finished: Thu Apr 3 14:1	Incoming SMS - Unread Incoming Foreign EMS - Incoming EMS - Deleted 6:10 EDT 2008 17:40 EDT 2008	Read
-	Acquisition started: Thu Apr 3 14:10 Acquisition finished: Thu Apr 3 14:1 Media connectivity was established	Incoming SMS - Unread Incoming Foreign EMS - Incoming EMS - Deleted 6:10 EDT 2008 17:40 EDT 2008 via supported interface	
•	Acquisition started: Thu Apr 3 14:10 Acquisition finished: Thu Apr 3 14:1 Media connectivity was established Readability and completeness of acqu	Incoming SMS - Unread Incoming Foreign EMS - Incoming EMS - Deleted 6:10 EDT 2008 17:40 EDT 2008 via supported interface uired data was successful	
•	Acquisition started: Thu Apr 3 14:10 Acquisition finished: Thu Apr 3 14:1 Media connectivity was established	Incoming SMS - Unread Incoming Foreign EMS - Incoming EMS - Deleted 6:10 EDT 2008 17:40 EDT 2008 via supported interface uired data was successful	
Highlights:	Acquisition started: Thu Apr 3 14:10 Acquisition finished: Thu Apr 3 14:1 Media connectivity was established Readability and completeness of acqu	Incoming SMS - Unread Incoming Foreign EMS - Incoming EMS - Deleted 6:10 EDT 2008 17:40 EDT 2008 via supported interface uired data was successful	
Highlights:	Acquisition started: Thu Apr 3 14:10 Acquisition finished: Thu Apr 3 14:1 Media connectivity was established Readability and completeness of acqu All subscriber-related data (i.e., S	Incoming SMS - Unread Incoming Foreign EMS - Incoming EMS - Deleted 6:10 EDT 2008 17:40 EDT 2008 via supported interface uired data was successful	was acquired
Highlights:	Acquisition started: Thu Apr 3 14:10 Acquisition finished: Thu Apr 3 14:1 Media connectivity was established Readability and completeness of acqu	Incoming SMS - Unread Incoming Foreign EMS - Incoming EMS - Deleted 6:10 EDT 2008 17:40 EDT 2008 via supported interface uired data was successful	was acquired
Log Highlights: Results:	Acquisition started: Thu Apr 3 14:10 Acquisition finished: Thu Apr 3 14:1 Media connectivity was established Readability and completeness of acqu All subscriber-related data (i.e., S Assertion & Expected Result	Incoming SMS - Unread Incoming Foreign EMS - Incoming EMS - Deleted 6:10 EDT 2008 17:40 EDT 2008 via supported interface uired data was successful SPN, ICCID, IMSI, MSISDN)	was acquired Actual Result
Highlights:	Acquisition started: Thu Apr 3 14:10 Acquisition finished: Thu Apr 3 14:10 Media connectivity was established of Readability and completeness of acqu All subscriber-related data (i.e., S Assertion & Expected Result A_SIM-23 SIM connectivity via supp	Incoming SMS - Unread Incoming Foreign EMS - Incoming EMS - Deleted 6:10 EDT 2008 17:40 EDT 2008 via supported interface uired data was successful SPN, ICCID, IMSI, MSISDN)	was acquired Actual Result as expected
Highlights:	Acquisition started: Thu Apr 3 14:10 Acquisition finished: Thu Apr 3 14:10 Media connectivity was established of Readability and completeness of acqu All subscriber-related data (i.e., S Assertion & Expected Result A_SIM-23 SIM connectivity via supp A_SIM-27 Readability and completene	Incoming SMS - Unread Incoming Foreign EMS - Incoming EMS - Deleted 6:10 EDT 2008 17:40 EDT 2008 via supported interface uired data was successful SPN, ICCID, IMSI, MSISDN)	was acquired Actual Result
Highlights:	Acquisition started: Thu Apr 3 14:10 Acquisition finished: Thu Apr 3 14:10 Media connectivity was established of Readability and completeness of acqu All subscriber-related data (i.e., 5 Assertion & Expected Result A_SIM-23 SIM connectivity via supp A_SIM-27 Readability and completene supported reports.	Incoming SMS - Unread Incoming Foreign EMS - Incoming EMS - Deleted 6:10 EDT 2008 17:40 EDT 2008 via supported interface uired data was successful SPN, ICCID, IMSI, MSISDN)	was acquired Actual Result as expected
Highlights:	Acquisition started: Thu Apr 3 14:10 Acquisition finished: Thu Apr 3 14:11 Media connectivity was established of Readability and completeness of acqu All subscriber-related data (i.e., 5 Assertion & Expected Result A_SIM-23 SIM connectivity via supp A_SIM-27 Readability and completene supported reports. A_SIM-28 Acquisition of SPN.	Incoming SMS - Unread Incoming Foreign EMS - Incoming EMS - Deleted 6:10 EDT 2008 17:40 EDT 2008 via supported interface uired data was successful SPN, ICCID, IMSI, MSISDN)	was acquired Actual Result as expected
Highlights:	Acquisition started: Thu Apr 3 14:10 Acquisition finished: Thu Apr 3 14:10 Media connectivity was established of Readability and completeness of acqu All subscriber-related data (i.e., 5 Assertion & Expected Result A_SIM-23 SIM connectivity via supp A_SIM-27 Readability and completene supported reports.	Incoming SMS - Unread Incoming Foreign EMS - Incoming EMS - Deleted 6:10 EDT 2008 17:40 EDT 2008 via supported interface uired data was successful SPN, ICCID, IMSI, MSISDN)	was acquired Actual Result as expected as expected

Test Case CFT	-SIM-06 Micro Systemation .XRY Version 3.6	
	A_SIM-31 Acquisition of MSISDN.	as expected
Analysis:	Expected results achieved	

# 5.2.62 CFT-SIM-07 (AT&T SIM)

		•	
	-SIM-07 Micro Systemation .XRY Version		buond at a d
Case	CFT-SIM-07 Acquire SIM internal memor	ry and review reported Ab	previated
Summary:	Dialing Numbers (ADNs). A_SIM-23 If a cellular forensic tool provides support for connectivity of		
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-27 If a cellular forensic tool	accessfully recognize the (e.g., PC/SC reader, prop	target SIM rietary
	the target SIM then the tool shall have the ability to present acquired data in a human-readable format via either preview-pane or generated report. A_SIM-32 If a cellular forensic tool successfully completes acquisition the target SIM then all Abbreviated Dialing Numbers (ADN) shall be presented in a human-readable format without modification.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Thu Apr 3 14:18:32 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	I Wallaber
	Call Logs	Foreign Enery	
	Call LOgs	Lest Numberer Dieled (IN	2)
		Last Numbers Dialed (LNI	
	Text Messages		
		Incoming SMS - Read	
		Incoming SMS - Foreign	
		Incoming SMS - Deleted	
		Incoming SMS - Unread	
		Incoming Foreign EMS - H	Read
		Incoming EMS - Deleted	
Log Highlights:	Created By .XRY Version 3.6 Acquisition started: Thu Apr 3 14:18: Acquisition finished: Thu Apr 3 14:20		
	Media connectivity was established via supported interface Readability and completeness of acquired data was successful All ADNs were acquired		
Results:			-
	Assertion & Expected Result		Actual
			Result
	A_SIM-23 SIM connectivity via support		as expected
	A_SIM-27 Readability and completenes	ss of acquired data via	as expected
	supported reports.		
	A_SIM-32 Acquisition of ADNs.		as expected
Analysis:	Expected results achieved		

# 5.2.63 CFT-SIM-08 (AT&T SIM)

0.2.00		-	
	-SIM-08 Micro Systemation .XRY Versio		
Case	CFT-SIM-08 Acquire SIM internal memo	ory and review reported La	st Numbers
Summary:	Dialed (LND).		
Assertions:	A_SIM-23 If a cellular forensic too the target SIM then the tool shall a via all vendor supported interfaces reader). A_SIM-27 If a cellular forensic too	successfully recognize the (e.g., PC/SC reader, prop l successfully completes a	e target SIM prietary cquisition of
	the target SIM then the tool shall have the ability to present acquired data in a human-readable format via either preview-pane or generated report.		
	A_SIM-33 If a cellular forensic too: the target SIM then all Last Numbers human-readable format without modif:	s Dialed (LND) shall be pr	
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Thu Apr 3 14:20:59 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		
		Last Numbers Dialed (LN	)
	Text Messages		- ,
		Incoming SMS - Read	
		Incoming SMS - Foreign	
		Incoming SMS - Deleted	
		Incoming SMS - Unread	
		Incoming Foreign EMS - H	Pead
		Incoming EMS - Deleted	Reau
		Incoming EMS - Deleted	
Log Highlights:	Created By .XRY Version 3.6 Acquisition started: Thu Apr 3 14:20 Acquisition finished: Thu Apr 3 14:2	23:22 EDT 2008	
Results:	Media connectivity was established of Readability and completeness of acqu LNDs were acquired		
Results.	Assertion & Expected Result		Actual Result
	A_SIM-23 SIM connectivity via supp	orted interfaces.	as expected
	A_SIM-27 Readability and completen		as expected
	supported reports.	ess of acquired data Via	as enpected
	A_SIM-33 Acquisition of LNDs.		as expected
	M_SIN 33 MEQUIPICION OF MODE.		an corrected

# 5.2.64 CFT-SIM-09 (AT&T SIM)

Test Case CFT	-SIM-09 Micro Systemation .XRY Versio	n 3.6	
Case	CFT-SIM-09 Acquire SIM internal memo	ry and review reported te	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 the target SIM then the tool shall h	ave the ability to presen	t acquired
	data in a human-readable format via report.		
	A_SIM-34 If a cellular forensic tool the target SIM then all SMS text mes readable format without modification	sages shall be presented	
	A_SIM-35 If a cellular forensic tool the target SIM then all EMS text mes readable format without modification	successfully completes a sages shall be presented	
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Thu Apr 3 14:24:12 EDT 2008		
Device:	ATT_SIM		
Source	OS: WIN XP		
Setup:	Interface: USB		1
	DATA OBJECTS Abbreviated Dialing Numbers (ADN)	DATA ELEMENTS	
	Abbreviated Dialing Numbers (ADN)	Maximum Length	
		Special Character	
		Blank Name	
		Regular Length - Delete	d Number
		Foreign Entry	a wamber
	Call Logs	rorergin miery	
		Last Numbers Dialed (LN	)
	Text Messages		- ,
		Incoming SMS - Read	
		Incoming SMS - Foreign	
		Incoming SMS - Deleted	
		Incoming SMS - Unread	
		Incoming Foreign EMS - 1	Read
		Incoming EMS - Deleted	
Log Highlights:	Created By .XRY Version 3.6 Acquisition started: Thu Apr 3 14:24	:12 EDT 2008	
	Acquisition finished: Thu Apr 3 14:25:30 EDT 2008		
	Media connectivity was established were according to the stability and completeness of acquired ALL text messages (SMS, EMS) were according to the stability of	ired data was successful	
Results:			
RESULLS	Assertion & Expected Result		Actual Result
	A_SIM-23 SIM connectivity via suppo	orted interfaces.	as expected
	A_SIM-27 Readability and completene supported reports.		as expected
	A_SIM-34 Acquisition of SMS message	25.	as expected
	A_SIM-35 Acquisition of EMS message		as expected
Analysis:	Expected results achieved		

# 5.2.65 CFT-SIM-10 (AT&T SIM)

Summary: dd Assertions: A t v A t d c r	via all vendor supported interfaces reader). A_SIM-27 If a cellular forensic too: the target SIM then the tool shall b	l provides support for con successfully recognize the	nectivity of target SIM			
Assertions: A t v A t d r	A_SIM-23 If a cellular forensic too the target SIM then the tool shall s via all vendor supported interfaces reader). A_SIM-27 If a cellular forensic too the target SIM then the tool shall b	successfully recognize the	target SIM			
t v A t o r	The target SIM then the tool shall state to the support of the sup	successfully recognize the	target SIM			
v r A t d r	via all vendor supported interfaces reader). A_SIM-27 If a cellular forensic too: the target SIM then the tool shall b					
r A t o r	reader). A_SIM-27 If a cellular forensic too: The target SIM then the tool shall l	(e.g., PC/SC reader, prop	the target SIM then the tool shall successfully recognize the target SIM			
A t d r	A_SIM-27 If a cellular forensic too. The target SIM then the tool shall l		orietary			
t d r	the target SIM then the tool shall h					
d r		A_SIM-27 If a cellular forensic tool successfully completes acquisition of				
r	lata in a human-readable format via	the target SIM then the tool shall have the ability to present acquired				
	data in a human-readable format via either preview-pane or generated					
	report.					
	A_SIM-36 If a cellular forensic tool successfully completes acquisition of					
	the target SIM then all location re	. , , ,	all be			
-	presented in a human-readable formation					
	A_SIM-37 If a cellular forensic too		-			
	the target SIM then all location re		) shall be			
p	presented in a human-readable formation	t without modification.				
Tester Name: r	rpa					
	lorrisy					
	Thu Apr 3 14:26:05 EDT 2008					
	ATT_SIM					
	DS: WIN XP					
Setup: I	Interface: USB	Г				
	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 (LNI	)			
	Text Messages					
		Incoming SMS - Read				
		Incoming SMS - Foreign				
		Incoming SMS - Deleted				
		Incoming SMS - Unread				
		Incoming Foreign EMS - H	Read			
		Incoming EMS - Deleted				
Log C	Created By .XRY Version 3.6					
	Acquisition started: Thu Apr 3 14:20	6:05 EDT 2008				
	Acquisition finished: Thu Apr 3 14:2					
M	Media connectivity was established via supported interface					
R	Readability and completeness of acquired data was successful					
I	LOCI data was acquired					
G	GPRSLOCI data was acquired					
Results:						
	Assertion & Expected Result		Actual			
			Result			
-			as expected			
	A_SIM-27 Readability and completen	ess of acquired data via	as expected			
	supported reports.		_			
	A_SIM-36 Acquisition of LOCI infor		as expected			
ļĹ	A_SIM-37 Acquisition of GPRSLOCI i	ntormation.	as expected			
Analysis: E	Expected results achieved					
патуртр. Е	apecied resurce achieved					

5.2.00		IVI <i>)</i>	
Test Case CFI	-SIMO-01 Micro Systemation .XRY Vers	ion 3.6	
Case	CFT-SIMO-01 Acquire SIM internal me	mory and review acquired	data via
Summary:	supported generated report formats.		
Assertions:	A_SIMO-58 If a cellular forensic to		
	the target media (i.e., SIM) then t		
	in a human-readable format without	modification via supporte	ed generated
	report formats.		
Tester	rpa		
Name:			
Test Host:	Morrisy		
Test Date:	Fri Apr 4 13:07:02 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	
Log	Created By .XRY Version 3.6		
Highlights:	Acquisition started: Fri Apr 4 13:0		
	Acquisition finished: Fri Apr 4 13:	07:59 EDT 2008	
	Complete representation of known da	ta via generated reports	was successful
		ea via generatea reporte	wab baccebbrar
Results:			
			Actual
			Result
	A_SIMO-58 Comparison of known SIM	data elements via	as expected
	generated reports.		
Analysis:	Expected results achieved		
	Transfer Firster administra		

### 5.2.66 CFT-SIMO-01 (AT&T SIM)

5.2.07		vi <i>)</i>	
Test Case CF1	-SIMO-02 Micro Systemation .XRY Vers	ion 3.6	
Case	CFT-SIMO-02 Acquire SIM internal me	mory and review acquired	data via the
Summary:	preview-pane.		
Assertions:	A_SIMO-59 If a cellular forensic to the target media (i.e., SIM) then the in a human-readable format without the report formats.	he tool shall present the	e acquired data
Tester	rpa		
Name:			
Test Host:	Morrisy		
Test Date:	Fri Apr 4 13:08:39 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	rorergii miery	
		Last Numbers Dialed (L	
	Text Messages		
	Tene hebbageb	Incoming SMS - Read	
		Incoming SMS - Foreign	
		Incoming SMS - Deleted	
		Incoming SMS - Unread	
		Incoming Foreign EMS -	Pood
		Incoming EMS - Deleted	
		Incoming EMS - Dereced	
Log	Created By .XRY Version 3.6		
Highlights:	Acquisition started: Fri Apr 4 13:0	8:39 EDT 2008	
	Acquisition finished: Fri Apr 4 13:		
	Complete representation of known da	ta via preview-pane was s	successful
Results:			Darbara D
	Assertion & Expected Result		Actual
	A GIMO FO Companying of income STI	data alamanta	Result
	A_SIMO-59 Comparison of known SIM preview-pane.	aata elements via	as expected
Analysis:	Expected results achieved		

### 5.2.67 CFT-SIMO-02 (AT&T SIM)

# 5.2.68 CFT-SIMO-03 (AT&T SIM)

Test Case CTT		-			
Case	-SIMO-03 Micro Systemation .XRY Vers CFT-SIMO-03 Acquire SIM internal mer		data mia tha		
	-		uala via lile		
Summary:	preview-pane and supported generated				
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				
	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				
	the target media (i.e., SIM) then the		-		
		_	-		
	<pre>in a human-readable format without modification via supported generated report formats. A_SIMO-60 If a cellular forensic tool provides a preview-pane view and a generated report of the acquired data then the reports shall maintain</pre>				
	consistency of all reported data ele	_			
Tester	rpa				
Name:	- Pu				
Test Host:	Morrisy				
Test Date:	Fri Apr 4 13:09:53 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	roreign mery			
		Last Numbers Dialed (LN	<u>۱</u>		
	Text Messages	Last Mullbers Dialed (III)	5)		
	TEAL MESSAGES	Incoming SMS - Read			
		Incoming SMS - Kead Incoming SMS - Foreign			
		Incoming SMS - Deleted			
		Incoming SMS - Unread			
		Incoming Foreign EMS - 1	Poad		
		Incoming EMS - Deleted	Reau		
		Incoming EMS - Deleted			
Log	Created By .XRY Version 3.6				
Highlights:	Acquisition started: Fri Apr 4 13:0	9:53 ፹፲፹ 2008			
ingin gires.	Acquisition finished: Fri Apr 4 13:				
	Complete representation of known dat	ta via generated reports w	as successful		
	Complete representation of known dat				
	<b>-</b>				
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-60 Compare generated report	s and preview-pane views	as expected		
	for SIM acquisition.	Ferrer Fano (1000)			
Analysis:	Expected results achieved				

# 5.2.69 CFT-SIMO-04 (AT&T SIM)

Test Case CF1	C-SIMO-04 Micro Systemation .XRY Versi	on 3.6		
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:	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.			
Tester Name:	rpa			
Test Host:	Morrisy			
Test Date:	Fri Apr 4 13:37:45 EDT 2008			
Device:	ATT_SIM			
Source	OS: WIN XP			
Setup:	Interface: USB			
	DATA OBJECTS	DATA ELEMEN	ITS	
	Abbreviated Dialing Numbers (ADN)			
		Maximum Lengt	h	
		Special Chara	acter	
		Blank Name		
		Regular Lengt	th - Deleted Number	
		Foreign Entry	7	
	Call Logs			
		Last Numbers	Dialed (LND)	
	Text Messages			
		Incoming SMS	- Read	
		Incoming SMS	- Foreign	
		Incoming SMS	- Deleted	
		Incoming SMS		
			eign EMS - Read	
		Incoming EMS	- Deleted	
Log	Created By .XRY Version 3.6			
Highlights:	Acquisition started: Fri Apr 4 13:3 Acquisition finished: Fri Apr 4 13:4			
	Notification of modified case data was successful			
	Notes: Case File Encryption has to be selec	cted before Acq	uisition	
Results:				
	Assertion & Expected Result		Actual Result	
	A_SIMO-61 Notification of modifed	SIM case data.	as expected	
Analysis:	Expected results achieved			
	10000 1000100 uchicved			

# 5.2.70 CFT-SIMO-05 (AT&T SIM)

Case	CFT-SIMO-05 Micro Systemation .XRY Vers CFT-SIMO-05 Acquire SIM internal me		a for recoverable
Summary:	deleted data.	mory and review reports	s for recoverable
		- ]	
Assertions:	A_SIMO-58 If a cellular forensic to		
	the target media (i.e., SIM) then t		
	in a human-readable format without	modification via suppor	rted generated
	report formats.		
	A_SIMO-59 If a cellular forensic to		
	the target media (i.e., SIM) then t	he tool shall present t	the acquired data
	in a human-readable format without	modification via suppor	rted generated
	report formats.		
	A_SIMO-62 If the cellular forensic		
	of the target SIM and recoverable d	eleted SMS messages exi	ist then the tool
	shall present recoverable deleted d	ata in a human-readable	e format without
	modification.		
	A_SIMO-63 If the cellular forensic	tool successfully compl	letes acquisition
	of the target SIM and recoverable d	eleted EMS messages exi	ist then the tool
	shall present recoverable deleted d	ata in a human-readable	e format without
	modification.		
Tester	rpa		
Name:	194		
Test Host:	Morrisy		
	-		
Test Date:	Fri Apr 4 13:44:54 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 - Del	eted Number
			eced Mulliber
		Foreign Entry	
	Call Logs		
		Last Numbers Dialed	(LND)
	Text Messages		
		Incoming SMS - Read	
		Incoming SMS - Forei	gn
		Incoming SMS - Delet	ed
		Incoming SMS - Unrea	
		Incoming Foreign EMS	
		Incoming EMS - Delet	
		Incoming EMS - Derec	eu
_			
Log	Created By .XRY Version 3.6		
Highlights:	Acquisition started: Fri Apr 4 13:4		
	Acquisition finished: Fri Apr 4 13:	46:28 EDT 2008	
	Complete representation of known da	ta via generated report	s was successful
	Complete representation of known da	ta via preview-pane was	s successful
	Deleted SMS data was recovered		
	Deleted EMS data was recovered		
Results:			
	Assertion & Expected Result		Actual
			Result
	A_SIMO-58 Comparison of known SIM	data elementa mia	
		uala elements Via	as expected
	generated reports.		
	A_SIMO-59 Comparison of known SIM	data elements via	as expected
	preview-pane.		
	preview pane.		
	A_SIMO-62 Recovery of deleted SMS	messages.	as expected
			as expected as expected

Test Case CFT	-SIMO-05 Micro Systemation .XRY Version 3.6
Analysis:	Expected results achieved

# 5.2.71 CFT-SIMO-06 (AT&T SIM)

Test Case CFI	-SIMO-06 Micro Systemation .XRY Ver	sion 3.6	
Case	CFT-SIMO-06 Acquire SIM internal memory and review generated log files.		
Summary:			
Assertions:	A_SIMO-64 If a cellular forensic tool supports creation of log files then		
	the application should present the log files in a human-readable format		
	outlining the acquisition process.		
Tester Name:	rpa		
Test Host:	Morrisy		
Test Date:	Fri Apr 4 13:49:26 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	roreign mery	
		Last Numbers Dialed (LND)	
	Text Messages	Pape Mumbers Prated (TIMP)	
	Text Messages	Incoming SMS - Read	
		Incoming SMS - Read Incoming SMS - Foreign	
		Incoming SMS - Deleted	
		Incoming SMS - Unread	
		Incoming Foreign EMS - Read	
		Incoming EMS - Deleted	
Log	Created By .XRY Version 3.6		
Log Highlights:	Acquisition started: Fri Apr 4 13: Acquisition finished: Fri Apr 4 13 Creation of complete and human-rea <u>Notes</u> :	8:51:05 EDT 2008	
-	Acquisition started: Fri Apr 4 13: Acquisition finished: Fri Apr 4 13: Creation of complete and human-rea <u>Notes:</u> XRY Log	8:51:05 EDT 2008	
-	Acquisition started: Fri Apr 4 13: Acquisition finished: Fri Apr 4 13 Creation of complete and human-rea <u>Notes</u> :	8:51:05 EDT 2008	
-	Acquisition started: Fri Apr 4 13: Acquisition finished: Fri Apr 4 13: Creation of complete and human-rea <u>Notes</u> : XRY Log Module Status Message	:51:05 EDT 2008 Mable log files was successful	
-	Acquisition started: Fri Apr 4 13: Acquisition finished: Fri Apr 4 13: Creation of complete and human-rea Notes: XRY Log Module Status Message	s:51:05 EDT 2008 Mable log files was successful Process	
-	Acquisition started: Fri Apr 4 13: Acquisition finished: Fri Apr 4 13: Creation of complete and human-rea Notes: XRY Log Module Status Message MAIN Success Initiating MAIN Success .XRY Versio	s:51:05 EDT 2008 Mable log files was successful Process	
-	Acquisition started: Fri Apr 4 13: Acquisition finished: Fri Apr 4 13: Creation of complete and human-rea Notes: XRY Log Module Status Message MAIN Success Initiating MAIN Success .XRY Versio MAIN Success Connected t	s:51:05 EDT 2008 Mable log files was successful Process n 3.6	
-	Acquisition started: Fri Apr 4 13: Acquisition finished: Fri Apr 4 13: Creation of complete and human-rea Notes: XRY Log Module Status Message MAIN Success Initiating MAIN Success .XRY Versio MAIN Success Connected t MAIN Success Device Name	s:51:05 EDT 2008 Ndable log files was successful Process n 3.6 o OMNIKEY CardMan 6121 0 []	
-	Acquisition started: Fri Apr 4 13: Acquisition finished: Fri Apr 4 13: Creation of complete and human-rea Notes: XRY Log Module Status Message MAIN Success Initiating MAIN Success .XRY Versio MAIN Success Connected t MAIN Success Device Name MAIN Success Starting pr SIM Success Connecting	9:51:05 EDT 2008 Mable log files was successful Process n 3.6 o OMNIKEY CardMan 6121 0 [] : SIM Card ocess of SIM (3.6)	
-	Acquisition started: Fri Apr 4 13: Acquisition finished: Fri Apr 4 13: Creation of complete and human-rea Notes: XRY Log Module Status Message MAIN Success Initiating MAIN Success .XRY Versio MAIN Success Connected t MAIN Success Device Name MAIN Success Starting pr SIM Success Connecting	s:51:05 EDT 2008 Ndable log files was successful Process n 3.6 o OMNIKEY CardMan 6121 0 [] : SIM Card	
-	Acquisition started: Fri Apr 4 13: Acquisition finished: Fri Apr 4 13: Creation of complete and human-rea Notes: XRY Log Module Status Message MAIN Success Initiating MAIN Success .XRY Versio MAIN Success Connected t MAIN Success Device Name MAIN Success Starting pr SIM Success Connecting	Process n 3.6 o OMNIKEY CardMan 6121 0 [] : SIM Card ocess of SIM (3.6) ith TO Protocol	
-	Acquisition started: Fri Apr 4 13: Acquisition finished: Fri Apr 4 13: Creation of complete and human-rea Notes: XRY Log Module Status Message MAIN Success Initiating MAIN Success Connected t MAIN Success Device Name MAIN Success Starting pr SIM Success Connecting SIM Success Detecting S	Process n 3.6 o OMNIKEY CardMan 6121 0 [] : SIM Card ocess of SIM (3.6) ith TO Protocol	
-	Acquisition started: Fri Apr 4 13: Acquisition finished: Fri Apr 4 13: Creation of complete and human-rea Notes: XRY Log Module Status Message MAIN Success Initiating MAIN Success Initiating MAIN Success Connected t MAIN Success Device Name MAIN Success Starting pr SIM Success Connecting SIM Success Connecting SIM Success Detecting S SIM Success Asking user	Process n 3.6 o OMNIKEY CardMan 6121 0 [] : SIM Card ocess of SIM (3.6) ith TO Protocol IM type	
-	Acquisition started: Fri Apr 4 13: Acquisition finished: Fri Apr 4 13: Creation of complete and human-rea Notes: XRY Log Module Status Message MAIN Success Initiating MAIN Success Connected t MAIN Success Device Name MAIN Success Starting pr SIM Success Connecting SIM Success Detecting S SIM Success Detecting S SIM Success Asking user	Process n 3.6 o OMNIKEY CardMan 6121 0 [] : SIM Card ocess of SIM (3.6) ith TO Protocol IM type for SIM type as SIM Card	
-	Acquisition started: Fri Apr 4 13: Acquisition finished: Fri Apr 4 13: Creation of complete and human-rea Notes: XRY Log Module Status Message MAIN Success Initiating MAIN Success Initiating MAIN Success Connected t MAIN Success Device Name MAIN Success Device Name MAIN Success Starting pr SIM Success Connecting SIM Success Connected w SIM Success Detecting S SIM Success Asking user SIM Success Identified	Process n 3.6 o OMNIKEY CardMan 6121 0 [] : SIM Card ocess of SIM (3.6) ith TO Protocol IM type for SIM type as SIM Card code	
-	Acquisition started: Fri Apr 4 13: Acquisition finished: Fri Apr 4 13: Creation of complete and human-rea Notes: XRY Log Module Status Message MAIN Success Initiating MAIN Success Initiating MAIN Success Connected t MAIN Success Device Name MAIN Success Device Name MAIN Success Starting pr SIM Success Connecting SIM Success Connecting SIM Success Detecting S SIM Success Asking user SIM Success Asking user SIM Success Passed PIN SIM Success Analyzing M	Process n 3.6 o OMNIKEY CardMan 6121 0 [] : SIM Card ocess of SIM (3.6) ith TO Protocol IM type for SIM type as SIM Card code	
-	Acquisition started: Fri Apr 4 13: Acquisition finished: Fri Apr 4 13: Creation of complete and human-rea Notes: XRY Log Module Status Message MAIN Success Initiating MAIN Success Initiating MAIN Success Connected t MAIN Success Device Name MAIN Success Device Name MAIN Success Starting pr SIM Success Connecting SIM Success Connecting SIM Success Detecting S SIM Success Asking user SIM Success Passed PIN SIM Success Passed PIN SIM Success Analyzing M SIM Success Reading Gen	Process n 3.6 o OMNIKEY CardMan 6121 0 [] : SIM Card ocess of SIM (3.6) ith TO Protocol IM type for SIM type as SIM Card code F folder eral Information	
-	Acquisition started: Fri Apr 4 13: Acquisition finished: Fri Apr 4 13: Creation of complete and human-rea Notes: XRY Log Module Status Message MAIN Success Initiating MAIN Success Initiating MAIN Success Connected t MAIN Success Device Name MAIN Success Device Name MAIN Success Starting pr SIM Success Connecting SIM Success Connected w SIM Success Detecting S SIM Success Detecting S SIM Success Asking user SIM Success Passed PIN SIM Success Analyzing M SIM Success Reading Gen SIM Success Reading Gen	Process n 3.6 o OMNIKEY CardMan 6121 0 [] : SIM Card ocess of SIM (3.6) ith TO Protocol IM type for SIM type as SIM Card code F folder eral Information eral Information	
-	Acquisition started: Fri Apr 4 13: Acquisition finished: Fri Apr 4 13: Creation of complete and human-rea Notes: XRY Log Module Status Message MAIN Success Initiating MAIN Success Initiating MAIN Success Connected t MAIN Success Device Name MAIN Success Device Name MAIN Success Starting pr SIM Success Connecting SIM Success Connected w SIM Success Detecting S SIM Success Detecting S SIM Success Asking user SIM Success Passed PIN SIM Success Reading Gen SIM Success Reading Gen SIM Success Reading Gen SIM Success Analyzing G	Process n 3.6 o OMNIKEY CardMan 6121 0 [] : SIM Card ocess of SIM (3.6) ith TO Protocol IM type for SIM type as SIM Card code F folder eral Information eral Information SM Folder	
-	Acquisition started: Fri Apr 4 13: Acquisition finished: Fri Apr 4 13: Creation of complete and human-rea Notes: XRY Log Module Status Message MAIN Success Initiating MAIN Success Initiating MAIN Success Connected t MAIN Success Device Name MAIN Success Device Name MAIN Success Starting pr SIM Success Connecting SIM Success Connected w SIM Success Detecting S SIM Success Detecting S SIM Success Asking user SIM Success Passed PIN SIM Success Reading Gen SIM Success Reading Gen SIM Success Analyzing G SIM Success Analyzing G SIM Success Reading Gen	Process n 3.6 o OMNIKEY CardMan 6121 0 [] : SIM Card ocess of SIM (3.6) ith TO Protocol IM type for SIM type as SIM Card code F folder eral Information eral Information SM Folder eral Information	
-	Acquisition started: Fri Apr 4 13: Acquisition finished: Fri Apr 4 13: Creation of complete and human-rea Notes: XRY Log Module Status Message MAIN Success Initiating MAIN Success Initiating MAIN Success Connected t MAIN Success Device Name MAIN Success Device Name MAIN Success Starting pr SIM Success Connecting SIM Success Connecting SIM Success Detecting S SIM Success Detecting S SIM Success Asking user SIM Success Passed PIN SIM Success Reading Gen SIM Success Reading Gen SIM Success Analyzing G SIM Success Reading Gen SIM Success Reading Gen	Process n 3.6 o OMNIKEY CardMan 6121 0 [] : SIM Card ocess of SIM (3.6) ith TO Protocol IM type for SIM type as SIM Card code F folder eral Information eral Information SM Folder eral Information work Information	
-	Acquisition started: Fri Apr 4 13: Acquisition finished: Fri Apr 4 13: Creation of complete and human-rea Notes: XRY Log Module Status Message MAIN Success Initiating MAIN Success Initiating MAIN Success Connected t MAIN Success Device Name MAIN Success Device Name MAIN Success Connecting pr SIM Success Connecting S SIM Success Connected w SIM Success Connected w SIM Success Detecting S SIM Success Detecting S SIM Success Asking user SIM Success Passed PIN SIM Success Reading Gen SIM Success Reading Gen	Process n 3.6 o OMNIKEY CardMan 6121 0 [] : SIM Card ocess of SIM (3.6) ith TO Protocol IM type for SIM type as SIM Card code F folder eral Information eral Information SM Folder eral Information sM Folder eral Information work Information PLMN Selector	
-	Acquisition started: Fri Apr 4 13: Acquisition finished: Fri Apr 4 13: Creation of complete and human-rea Notes: XRY Log Module Status Message MAIN Success Initiating MAIN Success Initiating MAIN Success Connected t MAIN Success Device Name MAIN Success Device Name MAIN Success Starting pr SIM Success Connecting S SIM Success Connected w SIM Success Connecting S SIM Success Detecting S SIM Success Detecting S SIM Success Asking user SIM Success Passed PIN SIM Success Reading Gen SIM Success Reading Met SIM Success Reading Net	Process n 3.6 o OMNIKEY CardMan 6121 0 [] : SIM Card ocess of SIM (3.6) ith TO Protocol IM type for SIM type as SIM Card code F folder eral Information eral Information SM Folder eral Information work Information PLMN Selector work Information Forbidden PLMNs	
-	Acquisition started: Fri Apr 4 13: Acquisition finished: Fri Apr 4 13: Creation of complete and human-rea Notes: XRY Log Module Status Message MAIN Success Initiating MAIN Success Initiating MAIN Success Connected t MAIN Success Device Name MAIN Success Device Name MAIN Success Starting pr SIM Success Connecting SIM Success Connected w SIM Success Connected w SIM Success Detecting S SIM Success Detecting S SIM Success Passed PIN SIM Success Reading Gen SIM Success Reading Gen SIM Success Reading Gen SIM Success Reading Gen SIM Success Reading Met SIM Success Reading Net SIM Success Reading Net	Process n 3.6 o OMNIKEY CardMan 6121 0 [] : SIM Card ocess of SIM (3.6) ith TO Protocol IM type for SIM type as SIM Card code F folder eral Information eral Information SM Folder eral Information SM Folder eral Information work Information PLMN Selector work Information Forbidden PLMNs elecom Folder	
-	Acquisition started: Fri Apr 4 13: Acquisition finished: Fri Apr 4 13: Creation of complete and human-read Notes: XRY Log Module Status Message MAIN Success Initiating MAIN Success Initiating MAIN Success Connected t MAIN Success Device Name MAIN Success Device Name MAIN Success Connected t MAIN Success Connecting pr SIM Success Connecting SIM Success Connected w SIM Success Detecting S SIM Success Asking user SIM Success Asking user SIM Success Passed PIN SIM Success Reading Gen SIM Success Reading Gen SIM Success Reading Gen SIM Success Reading Gen SIM Success Reading Net SIM Success Reading SMS	Process n 3.6 o OMNIKEY CardMan 6121 0 [] : SIM Card ocess of SIM (3.6) ith TO Protocol IM type for SIM type as SIM Card code F folder eral Information eral Information SM Folder eral Information SM Folder eral Information work Information PLMN Selector work Information Forbidden PLMNs elecom Folder	

Test Case CFT	-SIMO-06	Micro Systemat	ion .XRY Version 3.6
	SIM	Success	Reading General Information (MSISDN numbers)
	SIM	Success	Read 4 positions, 1 used
1	SIM	Success	Reading Network Information
1	SIM	Success	Reading Contacts
	SIM	Success	Read 250 positions, 6 used
	SIM	Success	Reading Contacts (fixed numbers)
	SIM	Success	Read 40 positions, 0 used
	SIM	Success	Reading Contacts (service numbers)
	SIM	Success	Read 5 positions, 0 used
1	SIM	Success	Reading Calls (last dialled)
1	SIM	Success	Read 10 positions, 4 used
1	SIM	Success	Attempting to read 02 IMEI
1	SIM	Success	No IMEI Found
1	MAIN	Success	SIM (3.6) completed successfully
1	MAIN	Success	Processing completed successfully.
1	MAIN	Success	Total processing time: 0 minutes, 10 seconds
	MAIN	Success	9 items read to General Information folder
	MAIN	Success	6 items read to Contacts folder
	MAIN	Success	4 items read to Calls folder
	MAIN	Success	8 items read to SMS folder
l	MAIN	Success	16 items read to Network Information folder
Results:			
1	Assert	ion & Expected	Result Actual Result
1	A_SIM0	D-64 SIM log fi	le output. as expected
l			
Analysis:	Expecte	d results achie	eved

# 5.2.72 CFT-SIMO-07 (AT&T SIM)

Test Case CFT	-SIMO-07 Micro Systemation .XRY Versi	on 3.6		
Case	CFT-SIMO-07 Acquire SIM internal mem		aining foreign	
Summary:	language characters.	-		
Assertions:	A_SIMO-58 If a cellular forensic too	al successfully completes	acquisition of	
110001010110	the target media (i.e., SIM) then the			
	in a human-readable format without modification via supported generated			
	report formats.			
	A_SIMO-59 If a cellular forensic tool successfully completes acquisition of			
	the target media (i.e., SIM) then the			
	in a human-readable format without m	—	-	
	report formats.	iouiiicacion via supporceo	generateu	
	A SIMO-65 If the cellular forensic t	col gupporta propor digpl	av of foreign	
	language character sets then the app			
	dialing numbers (ADNs) containing for	-		
	native format without modification.	feigh innguage characters	, III CIICII	
	A_SIMO-66 If the cellular forensic t	ool supports proper displ	av of foreign	
	language character sets then the app			
	containing foreign language characte	_		
	modification.	ers in cherr native format	. without	
	modification.			
Tester				
Tester Name:	rpa			
Test Host:	Morrisy			
Test Date:	Fri Apr 4 13:54:02 EDT 2008			
Device:	ATT_SIM			
Source	OS: WIN XP			
Setup:	Interface: USB			
C C C UT	DATA OBJECTS	DATA ELEMENTS		
	Abbreviated Dialing Numbers (ADN)			
	Tibbleviacea Blaiing Namberb (TBN)	Maximum Length		
		Special Character		
		1		
		Blank Name	1. 27	
		Regular Length - Delete	a 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 -	Read	
		Incoming EMS - Deleted		
	Created By .XRY Version 3.6			
	Acquisition started: Fri Apr 4 13:54			
	-			
	Acquisition started: Fri Apr 4 13:54			
	Acquisition started: Fri Apr 4 13:54	54:55 EDT 2008	vas successful	
	Acquisition started: Fri Apr 4 13:54 Acquisition finished: Fri Apr 4 13:5	54:55 EDT 2008 ta via generated reports v		
	Acquisition started: Fri Apr 4 13:54 Acquisition finished: Fri Apr 4 13:5 Complete representation of known dat	54:55 EDT 2008 ca via generated reports w ca via preview-pane was su	lccessful	
	Acquisition started: Fri Apr 4 13:54 Acquisition finished: Fri Apr 4 13:5 Complete representation of known dat Complete representation of known dat	54:55 EDT 2008 ca via generated reports w ca via preview-pane was su were acquired and properly	accessful v displayed	
	Acquisition started: Fri Apr 4 13:54 Acquisition finished: Fri Apr 4 13:5 Complete representation of known dat Complete representation of known dat ADNs containing foreign characters w	54:55 EDT 2008 ca via generated reports w ca via preview-pane was su were acquired and properly	accessful v displayed	
Highlights:	Acquisition started: Fri Apr 4 13:54 Acquisition finished: Fri Apr 4 13:54 Complete representation of known dat Complete representation of known dat ADNs containing foreign characters w Text messages containing foreign characters	54:55 EDT 2008 ca via generated reports w ca via preview-pane was su were acquired and properly	accessful v displayed	
Highlights:	Acquisition started: Fri Apr 4 13:54 Acquisition finished: Fri Apr 4 13:54 Complete representation of known dat Complete representation of known dat ADNs containing foreign characters w Text messages containing foreign cha displayed	54:55 EDT 2008 ca via generated reports w ca via preview-pane was su were acquired and properly	accessful 7 displayed 8 properly	
Highlights:	Acquisition started: Fri Apr 4 13:54 Acquisition finished: Fri Apr 4 13:54 Complete representation of known dat Complete representation of known dat ADNs containing foreign characters w Text messages containing foreign characters	54:55 EDT 2008 ca via generated reports w ca via preview-pane was su were acquired and properly	accessful 7 displayed 8 properly Actual	
Highlights:	Acquisition started: Fri Apr 4 13:54 Acquisition finished: Fri Apr 4 13:54 Complete representation of known dat Complete representation of known dat ADNs containing foreign characters w Text messages containing foreign cha displayed	54:55 EDT 2008 ca via generated reports w ca via preview-pane was su were acquired and properly	accessful 7 displayed 8 properly	
Highlights:	Acquisition started: Fri Apr 4 13:54 Acquisition finished: Fri Apr 4 13:54 Complete representation of known dat Complete representation of known dat ADNs containing foreign characters w Text messages containing foreign cha displayed	54:55 EDT 2008 ca via generated reports w ca via preview-pane was su were acquired and properly aracters were acquired and	accessful y displayed d properly Actual	
Highlights:	Acquisition started: Fri Apr 4 13:54 Acquisition finished: Fri Apr 4 13:54 Complete representation of known dat Complete representation of known dat ADNs containing foreign characters w Text messages containing foreign cha displayed Assertion & Expected Result	54:55 EDT 2008 ca via generated reports w ca via preview-pane was su were acquired and properly aracters were acquired and	Actual Result	
Log Highlights: Results:	Acquisition started: Fri Apr 4 13:54 Acquisition finished: Fri Apr 4 13:54 Complete representation of known dat Complete representation of known dat ADNs containing foreign characters w Text messages containing foreign cha displayed Assertion & Expected Result A_SIMO-58 Comparison of known SIM of	54:55 EDT 2008 ca via generated reports w ca via preview-pane was su vere acquired and properly aracters were acquired and data elements via	Actual Result	
	Acquisition started: Fri Apr 4 13:54 Acquisition finished: Fri Apr 4 13:54 Complete representation of known dat Complete representation of known dat ADNs containing foreign characters w Text messages containing foreign cha displayed Assertion & Expected Result A_SIMO-58 Comparison of known SIM of generated reports.	54:55 EDT 2008 ca via generated reports w ca via preview-pane was su vere acquired and properly aracters were acquired and data elements via	Actual Result as expected	
Highlights:	Acquisition started: Fri Apr 4 13:54 Acquisition finished: Fri Apr 4 13:54 Complete representation of known dat Complete representation of known dat ADNs containing foreign characters w Text messages containing foreign characters displayed Assertion & Expected Result A_SIMO-58 Comparison of known SIM of generated reports. A_SIMO-59 Comparison of known SIM of preview-pane.	54:55 EDT 2008 ta via generated reports w ta via preview-pane was su vere acquired and properly aracters were acquired and data elements via data elements via	Actual Actual Result as expected as expected	
Highlights:	Acquisition started: Fri Apr 4 13:54 Acquisition finished: Fri Apr 4 13:54 Complete representation of known dat Complete representation of known dat ADNs containing foreign characters w Text messages containing foreign cha displayed Assertion & Expected Result A_SIMO-58 Comparison of known SIM of generated reports. A_SIMO-59 Comparison of known SIM of	54:55 EDT 2008 ta via generated reports w ta via preview-pane was su vere acquired and properly aracters were acquired and data elements via data elements via	Actual Result as expected	

Test Case CFT	-SIMO-07 Micro Systemation .XRY Version 3.6
	language characters.
Analysis:	Expected results achieved

# 5.2.73 CFT-SIMO-08 (AT&T SIM)

if the PIN attempts are decremented when Assertions: A_SIMO-67 If a cellular forensic tool pro remaining number of authentication attemp provide an accurate count of the remainin Tester Name: rpa Test Host: Morrisy Test Date: Fri Apr 4 13:56:00 EDT 2008 Device: ATT_SIM Source OS: WIN XP Setup: Interface: USB DATA OBJECTS DATA OBJECTS DATA OBJECTS Bla Reg Call Logs Ince Ince Ince Ince Ince Ince Ince Ince	3.6		
if the PIN attempts are decremented whenAssertions:A_SIMO-67 If a cellular forensic tool provemaining number of authentication attempTester Name:rpaTest Host:MorrisyTest Date:Fri Apr 4 13:56:00 EDT 2008Device:ATT_SIMSourceOS: WIN XPSetup:Interface: USBDATA OBJECTSDAbbreviated Dialing Numbers (ADN)MaxCall LogsText MessagesIncIncIncIncCall LogsCall LogsInc		determine if the	
Assertions:       A_SIMO-67 If a cellular forensic tool provide an accurate count of the remaining provide an accurate count of the remaining provide an accurate count of the remaining test and the provide an accurate count of the remaining provide an accurate count of the remaining provide an accurate count of the remaining test and the provide an accurate count of the remaining provide an accurate count of the remaining provide an accurate count of the remaining test and the provide an accurate count of the remaining test and the provide an accurate count of the remaining test and the provide an accurate count of the remaining test and the provide an accurate count of the remaining test and the provide an accurate count of the remaining test and the provide an accurate count of the remaining test and test	tool provides an accurate count of the remaining number of PIN attempts and if the PIN attempts are decremented when entering an incorrect value.		
remaining number of authentication attemp         provide an accurate count of the remaining         Test Name:       rpa         Test Host:       Morrisy         Test Date:       Fri Apr 4 13:56:00 EDT 2008         Device:       ATT_SIM         Source       OS: WIN XP         Setup:       Interface: USB         DATA OBJECTS       D         Abbreviated Dialing Numbers (ADN)       Max			
Image: Provide an accurate count of the remaining the term of the remaining term of ter	A_SIMO-67 If a cellular forensic tool provides the examiner with the remaining number of authentication attempts then the application should be applied on the second structure of the second structur		
Tester Name:       rpa         Test Host:       Morrisy         Test Date:       Fri Apr 4 13:56:00 EDT 2008         Device:       ATT_SIM         Source       OS: WIN XP         Setup:       Interface: USB         DATA OBJECTS       D         Abbreviated Dialing Numbers (ADN)       Max         Setup:       Max         Setup:       Call Logs         Call Logs       Interface:         Text Messages       Interface:         Inc       Inc         Inc       Inc         Max       Spector         Call Logs       Inc         Call Logs       Inc         Inc       Inc         Inc       Inc         Inc       Inc         Inc       Inc         Inc       Inc         Acquisition started: Fri Apr 4 13:56:00 IA         Acquisition finished: Fri Apr 4 13:56:00 IA         Acquisition finished: Fri Apr 4 13:56:00 IA         Remaining number of PIN attempts properly         Results:       Assertion & Expected Result			
Test Host:       Morrisy         Test Date:       Fri Apr 4 13:56:00 EDT 2008         Device:       ATT_SIM         Source       OS: WIN XP         Setup:       Interface: USB         DATA OBJECTS       D         Abbreviated Dialing Numbers (ADN)       Max         Setup:       Max         Call Logs       Bla         Text Messages       Inc         Inc       Inc         Inc       Inc         Call Logs       Inc         Ext Messages       Inc         Inc       Inc         Inc       Inc         Acquisition started: Fri Apr 4 13:56:00 I         Acquisition finished: Fri Apr 4 13:57:35         Remaining number of PIN attempts properly         Results:       Assertion & Expected Result	ning PIN attempts.		
Test Date:       Fri Apr 4 13:56:00 EDT 2008         Device:       ATT_SIM         Source       OS: WIN XP         Setup:       Interface: USB         DATA OBJECTS       D         Abbreviated Dialing Numbers (ADN)       Max         Setup:       Max         Setup:       Call Logs         Call Logs       Inc         Text Messages       Inc         Inc       Inc         Inc       Inc         Setup:       Created By .XRY Version 3.6         Acquisition started: Fri Apr 4 13:56:00 I       Acquisition finished: Fri Apr 4 13:57:35         Remaining number of PIN attempts properly       Results:			
Device:       ATT_SIM         Source       OS: WIN XP         Setup:       Interface: USB         DATA OBJECTS       D         Abbreviated Dialing Numbers (ADN)       Max         Spe       Bla         Max       Spe         Call Logs       Inc         Text Messages       Inc         Inc       Inc         Inc       Inc         Max       Spe         Source       Call Logs         Call Logs       Inc         Text Messages       Inc         Inc       Inc         Inc       Inc         Acquisition started: Fri Apr 4 13:56:00 M         Acquisition finished: Fri Apr 4 13:57:35         Remaining number of PIN attempts properly         Results:       Assertion & Expected Result			
Source Setup: OS: WIN XP Interface: USB DATA OBJECTS D Abbreviated Dialing Numbers (ADN) Abbreviated Dialing Numbers (ADN) Max Spe Bla Reg Call Logs Text Messages Text Messages Inc Inc Inc Inc Inc Inc Inc Inc			
Setup: Interface: USB DATA OBJECTS D Abbreviated Dialing Numbers (ADN) Abbreviated Dialing Numbers (ADN) Max Spe Bla Reg Call Logs Text Messages Text Messages Inc Inc Inc Inc Inc Inc Inc Inc			
DATA OBJECTS     D       Abbreviated Dialing Numbers (ADN)     Max       Spe     Bla       Reg     For       Call Logs     Las       Text Messages     Inc       Inc     Inc       Inc     Inc       Acquisition started: Fri Apr 4 13:56:00 I     Acquisition finished: Fri Apr 4 13:57:35       Remaining number of PIN attempts properly       Results:			
Abbreviated Dialing Numbers (ADN)       Max         Spe       Bla         Reg       For         Call Logs       Las         Text Messages       Inc         Inc       Inc         Inc       Inc         Acquisition started: Fri Apr 4 13:56:00 I         Acquisition finished: Fri Apr 4 13:57:35         Remaining number of PIN attempts properly         Results:         Assertion & Expected Result			
Log Highlights: Results: Assertion & Expected Result	DATA ELEMENTS		
Log Highlights: Created By .XRY Version 3.6 Acquisition started: Fri Apr 4 13:56:00 I Acquisition finished: Fri Apr 4 13:57:35 Remaining number of PIN attempts properly Assertion & Expected Result			
Log Highlights: Created By .XRY Version 3.6 Acquisition started: Fri Apr 4 13:56:00 1 Acquisition finished: Fri Apr 4 13:57:35 Remaining number of PIN attempts properly Results: Assertion & Expected Result	laximum Length		
Log Highlights: Results: Log Hassertion & Expected Result	Special Character		
Call Logs       Ias         Call Logs       Ias         Text Messages       Inc         Inc       Inc         Requisition started: Fri Apr 4 13:56:00 I         Acquisition finished: Fri Apr 4 13:57:35         Remaining number of PIN attempts properly         Results:       Assertion & Expected Result	Blank Name		
Call Logs       Las         Text Messages       Inc         Inc       Inc         Acquisition started: Fri Apr 4 13:56:00 I         Acquisition finished: Fri Apr 4 13:57:35         Remaining number of PIN attempts properly         Results:       Assertion & Expected Result	legular Length - De	leted Number	
Log Highlights: Results: Log Massertion & Expected Result	'oreign Entry		
Text Messages       Inc         Inc       Inc         Acquisition started: Fri Apr 4 13:56:00 I         Acquisition finished: Fri Apr 4 13:57:35         Remaining number of PIN attempts properly         Results:       Assertion & Expected Result			
Log Highlights: Created By .XRY Version 3.6 Acquisition started: Fri Apr 4 13:56:00 I Acquisition finished: Fri Apr 4 13:57:35 Remaining number of PIN attempts properly Results: Assertion & Expected Result	Last Numbers Dialed (LND)		
Log Highlights: Created By .XRY Version 3.6 Acquisition started: Fri Apr 4 13:56:00 I Acquisition finished: Fri Apr 4 13:57:35 Remaining number of PIN attempts properly Results: Assertion & Expected Result			
Log Highlights: Results: Results: Log Acquisition started: Fri Apr 4 13:56:00 I Acquisition finished: Fri Apr 4 13:57:35 Remaining number of PIN attempts properly Assertion & Expected Result	ncoming SMS - Read		
Log Highlights: Results: Created By .XRY Version 3.6 Acquisition started: Fri Apr 4 13:56:00 I Acquisition finished: Fri Apr 4 13:57:35 Remaining number of PIN attempts properly Assertion & Expected Result	ncoming SMS - Fore	ign	
Log Highlights: Created By .XRY Version 3.6 Acquisition started: Fri Apr 4 13:56:00 1 Acquisition finished: Fri Apr 4 13:57:35 Remaining number of PIN attempts properly Results: Assertion & Expected Result	ncoming SMS - Dele	ted	
Log Highlights: Created By .XRY Version 3.6 Acquisition started: Fri Apr 4 13:56:00 1 Acquisition finished: Fri Apr 4 13:57:35 Remaining number of PIN attempts properly Results: Assertion & Expected Result	ncoming SMS - Unre	ad	
Log Highlights: Created By .XRY Version 3.6 Acquisition started: Fri Apr 4 13:56:00 I Acquisition finished: Fri Apr 4 13:57:35 Remaining number of PIN attempts properly Results: Assertion & Expected Result	ncoming Foreign EM	S - Read	
Highlights: Acquisition started: Fri Apr 4 13:56:00 D Acquisition finished: Fri Apr 4 13:57:35 Remaining number of PIN attempts properly Results: Assertion & Expected Result	ncoming EMS - Dele	ted	
Highlights: Acquisition started: Fri Apr 4 13:56:00 D Acquisition finished: Fri Apr 4 13:57:35 Remaining number of PIN attempts properly Results: Assertion & Expected Result			
Acquisition finished: Fri Apr 4 13:57:35 Remaining number of PIN attempts properly Results: Assertion & Expected Result			
Remaining number of PIN attempts properly Results: Assertion & Expected Result			
Results: Assertion & Expected Result	Acquisition finished: Fri Apr 4 13:57:35 EDT 2008		
Assertion & Expected Result	rly displayed was s	successful	
		]	
A_SIMO-67 Display of remaining number o	-	Actual Result	
	of PIN attempts.	as expected	
Analysis: Expected results achieved			

<b>J.Z.</b> /4		
Test Case CF1	S-SIMO-09 Micro Systemation .XRY Versi	on 3.6
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	rpa	
Name:		
Test Host:	Morrisy	
Test Date:	Fri Apr 4 13:59:56 EDT 2008	
Device:	ATT_SIM	
Source Setup:	OS: WIN XP 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 .XRY Version 3.6 Acquisition started: Fri Apr 4 13:59:56 EDT 2008 Acquisition finished: Fri Apr 4 14:03:16 EDT 2008	
	Remaining number of PUK attempts pro	perly displayed was successful
Results:	Acception & Reported Depuilt	Jahual Description
	Assertion & Expected Result	Actual Result
	A_SIMO-68 Display of remaining number of PUK attempts. as expected	
Analysis:	Expected results achieved	

### 5.2.74 CFT-SIMO-09 (AT&T SIM)

#### 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.

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

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

or contact:

National Criminal Justice Reference Service P.O. Box 6000 Rockville, MD 20849–6000 800–851–3420 http://www.ncjrs.gov