Portable Digital Media Examination and Analysis

ORIGINATED BY THE QUALITY MANAGEMENT BOARD

APPROVED BY: [Redacted]

SIGNATURE: ___________________________ DATE: ___________________________

Laboratories and Scientific Services quality documents (manual, procedures, work instructions, etc.) contain law enforcement sensitive information and shall not be released to anyone other than Laboratories and Scientific Services personnel without the written approval of the Executive Director, Laboratories and Scientific Services.

Law Enforcement Sensitive—LCS Internal Use Only
1 PURPOSE

This procedure defines requirements for managing the flow of Portable Media evidence through Laboratories and Scientific Services (LSS) and ensures proper receipt, inventory, analysis and reporting of examination results. Digital forensics evidence includes data from, but not limited to, the following devices:

1.1 Cellular Phones (e.g., Motorola Flip or HTC Evo)
1.2 Global Positioning System (GPS) Devices (e.g., Garmin Nuvi or Furuno Mariner)
1.3 Personal Digital Assistant (PDA) Devices (e.g., Palm Zire or HP iPAQ)
1.4 Tablets (e.g., Samsung Galaxy S or Apple iPad) and Media/MP3 Players (e.g., Microsoft Zune or Apple iPod Shuffle)

2 SCOPE

Procedures described in this document apply to all portable media forensic samples submitted to LSS for imaging and analysis.

3 RESPONSIBILITY

3.1 In addition to responsibilities already delineated in the Laboratory Director (LD) is also responsible for providing for each examiner.
3.2 The Assistant Laboratory Director (ALD) and the Quality Manager retain their responsibilities as specified
3.3 The or other designated employee, is responsible for entering the sample information into the
3.4 The Portable Media Analyst (PMA) is responsible for the following:

3.4.1
3.4.2
3.4.3

3.5 The Portable Media Imager (PMI) is responsible for the following:

3.5.1
3.5.2
3.5.3
3.5.4
3.5.5
3.5.6
3.5.7
4 REFERENCES

4.1 Quality Manual
4.2 Management of Samples
4.3 Data Management and Reporting
4.5 NIST 800-88, NIST Guidelines for Media Sanitization Publication Rev. 1

5 ACRONYMS AND DEFINITIONS

5.1 Analysis Report - A detailed summary generated by the analyst of what was discovered and analyzed from the digital evidence.
5.2 ATS - Administratively Transferred Sample
5.3 CD-R - Compact Disc-Recordable
5.4 COC - Chain of Custody
5.5 DFA - Digital Forensics Analyst
5.6 DFI - Digital Forensics Imager
5.7 DFT - Digital Forensics Team located at the
5.8 Digital Forensics - Presents the digital
5.9 Flash Media - Data stored in NAND or NOR type memory Arrays (e.g., Solid State Hard Drives, USB Flash Drives)
5.10 GPS - Global Positioning System
5.11 LSS - Laboratories and Scientific Services
5.12 Magnetic Media - Any device that stores data using magnetic polarization to store data (e.g., IDE Hard Disk, SCSI Hard Disk)
5.13 NIST - National Institute of Standards and Technology
5.14 Optical Media - Any CD/DVD recordable media (e.g., CDROM or DVD-R)
5.15 PDA - Portable Digital Assistant
5.16 PIN - Personal Identification Number
5.17 PMA - Portable Media Analyst: Individual qualified to
5.18 Portable Media Imaging - A process where all storage areas of portable media are either target media creating a forensic image.
5.19 Portable Media - A device that can include but are not limited to: Cellular Phones, GPS Devices, PDA's, Tablets and Media/MP3 Players.
5.20 PMI - Portable Media Imager: Individual qualified to
5.21 Portable Media Analysis - The process of analyzing and evaluating the presence of specific evidence or information.
5.25 PUK — Personal Unblocking Key  
5.26 Raw Data - Unrefined Data  
5.27 Raw Data Report - A report that is generated  
5.28 RIC — Radio Isolation Card  
5.29 SIM — Subscriber Identity Module  
5.30 USIM — Universal Subscriber Identity Module

6 QUALIFICATIONS

Digital forensics analysis shall not be completed by anyone other than qualified staff as outlined below:

6.1

6.2 Portable Media Imager (PMI) Qualifications

6.2.1 LSS PMI minimum skills, knowledge and training requirements:

6.2.1.1 Successful completion of the appropriate DFA training program portable media modules.
6.2.1.2 It is recommended that a PMI be a DFI, however it is not mandatory.

7 SAMPLE INSPECTIONS, INVENTORY AND RECEIPT

7.1 Sample Inspection

7.1.1 At the discretion of the analyst evidence intake may be witnessed by a second person and documented on.
7.1.2 Open outside container to determine number of packages and the condition of the evidence packaging. Compare with information provided on submitted COC form(s).
7.1.3 Evidence bags, boxes, envelopes, etc., contained within exterior packaging shall be photographed.
7.1.4 Condition of seals, packaging and evidence shall be documented on.
7.2 Inventory

7.2.1 Remove and carefully inspect all components.
7.2.2 Media discovered and identified for imaging shall be documented on The following information shall be documented for each item:

7.2.2.1 Make (e.g., Nokia)
7.2.2.2 Model (e.g., 6610)
7.2.2.3

7.2.3 Each line item received as listed on COC shall be documented in detail on

7.2.4 If evidence inventory does not coincide with what is documented on the COC, submitter shall be notified to reconcile any discrepancies. This communication shall be:

7.2.4.1 Entered into the section of the
7.2.4.2 Recorded on the

7.3 Receipt of evidence

7.3.1 Mail Delivered

7.3.1.1 Upon satisfactory completion of inventory for the submitted evidence, the receiving analyst shall officially receive samples via his/her signature on the COC.
7.3.1.2 Delivery method and package tracking number shall be recorded at the top of

7.3.2 Hand Delivered/On-Site

7.3.2.1 Upon satisfactory completion of inventory for evidence that is retained, the receiving analyst shall officially receive samples via his/her signature on the COC.
7.3.2.2 Items not retained but examined on-site do not require the completion of a COC.
7.3.2.3 Delivery method and name of POC shall be recorded at the top of

7.3.3 A digital camera shall be used to take photographs of any unusual conditions regarding items of evidence submitted, such as damaged devices or broken evidence seals.

7.3.4 Photographs taken shall document the following for each device:

7.3.4.1 Make (e.g., Nokia)

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7.3.4.2 Model (e.g., 6610)
7.3.4.3 For example:

EVIDENCE PHOTOGRAPHY LOG

<table>
<thead>
<tr>
<th>PHOTOGRAPHER</th>
<th>CAMERA (MAKE/ MODEL)</th>
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<tr>
<td>Joe Photographer</td>
<td>Nikon CoolPix SD7600</td>
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<th>IMAGE #</th>
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<td>2</td>
<td>1TB Western Digital Model T1000 (Back)</td>
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7.4 Sample Entry and Administration

7.4.1 Sample entry and administration shall be done in accordance with sections 7.4.2 Upon issuance of a

8 PORTABLE DIGITAL MEDIA PROCESS DESCRIPTION

8.1 Portable Media Triage

This section only addresses when are performed

8.1.1 The may use approved portable media tools for the of data provided the has received the appropriate training. The may be provided to the submitter.

8.1.2 If the submitter requests additional information beyond what is provided from the the device should be submitted to the

8.1.3 If the device shall then be processed

8.1.4 of the portable media shall be

8.1.5 The originating lab may complete and publish a report after transferring the sample via . The narrative should include a final sentence stating:

8.1.6 The results of the analysis by shall be sent directly to the submitter.

8.2 General Forensic Process
8.2.1 shall only be conducted by qualified and appropriately trained personnel that have successfully completed the
8.2.2 A tool may be used in the laboratory or on-site upon successful completion of the training requirements for that tool.
8.2.3 shall only be done on
8.2.4 Access to the shall be
8.2.5 At all times physical access to the evidence shall be restricted to authorized personnel only.
8.2.6 Examinations shall be conducted using approved laboratory hardware and software. Refer to
8.2.7 For use of other tools refer to
8.2.8 shall be conducted on Cell phone and GPS forensic tools using and shall be documented in the
8.2.9 If evidence is being conducted pursuant to a search warrant, then prior to commencing the examiner should request a copy of the warrant (if not submitted) authorizing the search. Questions regarding the scope of the warrant's applicability shall be directed to the CBP Associate/Assistant Chief Counsel.
8.2.10 If evidence of a crime outside the scope of search authorized by the warrant is suspected, then the examiner shall immediately notify the submitter of the discovery and request guidance on how to proceed
8.2.11 forms shall be reviewed and when necessary, the submitter shall be contacted to ascertain the scope of the investigation and its requirements.
8.2.12 shall be completed for each

8.3 Cell Phone/Smart Phone Handsets

8.3.1 prior to and during the entire portable media examination process.
8.3.2 Handsets shall be
8.3.3 Tools utilized shall be documented on
8.3.4 If a is unavailable or then may be used. The connection type used shall be documented.
8.3.5 When using multiple tools on a single device,
8.3.6 If requested information cannot be extracted from the handset and requires further analysis, the original evidence shall be

8.3.7 If data extraction is unsuccessful, the evidence may be

8.4 (U)SIM Cards

8.4.1 Tools utilized shall be documented on

8.4.2

8.4.3

8.4.4 Attempts at shall be documented on the Notes line of

8.4.5

8.5 Media Cards within Portable Media

8.5.1 For portable media triage, However, it is recommended that these media cards be handled

8.5.2 In the laboratory,

8.6 GPS Devices

8.6.1 prior to and during the entire portable media examination process.

8.6.2 The make, model and of the GPS shall be documented on

8.6.3 Any on the GPS shall be documented (e.g., color and condition of the device) on

8.6.4 Steps taken to acquire data from the device shall be documented on

8.6.5

8.6.6

8.6.7

8.6.8 Data shall not be transferred to the GPS device. Any unintentional transfer must be performed for each device.
9.1 Documentation Required for

When the following shall be included:

9.1.1 COC with enough detail to uniquely identify the items sent.
(e.g., (1) Motorola V3r)

9.1.2 The device, removable media and/or SIM card along with any cables or accessories (if applicable).

9.1.3 Any of the digital media that were captured.

9.1.4 Attach the following items in the COC number, and description. (e.g., Motorola V3r COC#123456 (1)

9.1.4.1 Search warrant/consent to search (if submitted).
9.1.4.2 Request for
9.1.4.3 Request for
9.1.4.4 Request for

9.1.5 No documentation shall be placed in

9.1.5.1 Evidence shall be packaged in and labeled with the COC number, and description. (e.g., Motorola V3r COC#123456 (1)

9.1.5.2 Copies of recorded to optical media shall be labeled with date created and sequential numbers identifying order. (e.g., 12/1/2009 1 of 12) and placed in plastic jewel cases.

9.1.6 After the will:

9.1.6.1 Update the contact field of the with the case agent's information.
9.1.6.2 Record the investigative case number (if available) in the ID field of the
10 REPORTING OF EXAMINATIONS AND FINDINGS

Documentation to support conclusions shall be such that in the absence of the analyst, another competent analyst should be able to arrive at the same conclusion.

10.1 The following data points shall be included with each laboratory report as applicable to the examination (Triage or Analysis) conducted:

10.1.1 (b) (7)(E)
10.1.2 Agency name and case number
10.1.3 Date
10.1.4 Case Brief
10.1.5 Objective
10.1.6 Analysts Name
10.1.7 Examination Location
10.1.8 COC number, Line Item number and description
10.1.9 Tools Utilized
10.1.10 Summary of Findings

10.2 Refer to attachment (b) (7)(E) for guidance. See (b) (7)(E)

10.3 Raw data reports shall not be attached in (b) (7)(E)

11 EVIDENCE RETENTION AND RETURN

11.1 Original evidence shall be returned to the submitter.

11.2 Raw data reports shall be stored in a secure manner and (b) (7)(E) shall be stored in a secure manner and (b) (7)(E)

11.3 Analysis and Raw data reports mailed to the submitter shall use the following criteria:

11.3.1 (b) (7)(E)
11.3.2 (b) (7)(E)
11.3.3 (b) (7)(E)

11.4 If (b) (7)(E) to the submitter, a (b) (7)(E) shall be sent containing the (b) (7)(E)

11.5 If (b) (7)(E) to the submitter, an (b) (7)(E) shall be sent to the submitter containing the (b) (7)(E)

11.6 Evidence containers shall include the following information:

11.6.1 Initials of the individual sealing the evidence
11.6.2 Date of sealing
11.6.3 (b) (7)(E)

11.7 No data shall be retained by the laboratory to include raw data reports.
11.8 Once the original evidence and published report have been confirmed as received by the submitter,

12 RECORD KEEPING

12.1 Sample Laboratory Cards

Evidence related to a single case should be kept in a single [REDACTED] Multiple [REDACTED] may need to be created if more than one analyst is required to perform analysis on different evidence items in the case.

If additional items of evidence associated with a previously completed [REDACTED] are submitted to the laboratory, a [REDACTED] shall be generated.

12.2 The following data fields shall be completed as delineated:

12.2.1
12.2.2
12.2.3
12.2.4
12.2.5
12.2.6
12.2.7
12.2.8

12.3 Narrative

12.3.1 The narrative shall include sections, or similar language.

12.3.2 Language such as ... shall be included along with a statement regarding the disposition of evidence.

Sample
12.4 Attachments

When uploading attachments into the system, they shall be submitted. The following shall be filed, if applicable, with the court:

12.4.1 Analysis Report
12.4.2 Attachment 1: Signed COC, Custody Receipt Seize Property/Evidence Property;
12.4.3 Attachment 2:
12.4.4 Attachment 3:
12.4.5 Attachment 4:
12.4.6 Attachment 5: Pictures of Evidence;
12.4.7 Attachment 6: for each of the original evidence items.

13 FORMS

13.1
Any section deemed not applicable shall be initialed in the "N/A" field.

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<td>4</td>
<td>0.79%</td>
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</tbody>
</table>

Total: 509
Items Tested: 484

LIN: Label C 72511
Cellebrite UFED (Ruggedized Version)

Digital Forensics Expert

Changing the Retrieved Folder
Universal Forensic Extraction Device (UFED) Ruggedized
- **Cell Phone Coverage** - Acquires data from over 2000 North American and European handset models.

- **Supported Phone List** - The full list of phones that are supported by the UFED system is regularly updated and available at:
  http://www.cellebrite.com/UFED-Supported-Phones.html
Field extraction of data - Insures that a suspect’s phone can be examined before the individual has a chance to destroy or erase data.

Work exclusively with most major carriers worldwide –
- Verizon Wireless
- AT&T
- Sprint/ Nextel
- T-Mobile
- Orange France
- Telstra Australia
- 50 other carriers in the US
Support of new phones - Cellebrite ensures that future devices are supported prior to their being distributed in the market.

Supported smart phones include:
- Symbian
- Palm
- RIM
- Windows Mobile
- Apple
- Android
It’s Portable: Portable and easy to operate, the UFED can be used in the forensic lab as well as in the field. The UFED is a handheld device, without the need for a PC in the field. The Ruggedized version of the UFED comes with hard-sided case and battery power, for even greater mobility and flexibility and fully loaded with all needed accessories.
Different Data Transfer Means: Cellebrite acquires cell phone data via USB, Bluetooth, IrDA, SD Card, and SIM card reader.
- Standalone device that can be used in the field and in the forensic lab.
- No computer required for extraction.
- Generation of complete, MD5 verified evidence reports.
- UFED extracts vital data such as:
  - Phonebook
  - Camera pictures
  - Videos
  - Audio
  - Text messages (SMS)
  - Call logs
  - ESN
  - IMEI
  - ICCID
  - IMSI
  - Phonebook
- CDMA - No SIM card
- GSM – SIM Card
- IDEN/TDMA – SIM Card
1. Connect Phone/SIM Card
2. Transfer data to
3. 
4. 

[Diagram of a phone and a device connected by a cable]
1. Hard-side plastic casing with secure latches
2. UFED Device with Rubber casing
3. Cable Organizer
4. Full Set of Data Cables
5. Small Cable Pouch
6. Bluetooth Dongle
7. USB Flash Drive
8. AC Power Supply
9. UFED Battery Pack
10. 12V In-vehicle (Cigarette Lighter) Power adapter
11. SIM ID Cloning Cards
12. Card Reader
13. Mobile Phone Battery Charger set
14. Faraday Bag
15. UFED Manager- Report Viewing and Printing Software
16. Phone Connection Cleansing Brush
17. User Manual and Support CD
Cable Organizer (75+ Cables)
SIM ID access Card
Card Reader
Accessories
Faraday Pouch
Power Cable
1. Cancel Button
2. Source-side Connectors
3. Navigation Keys
   (For navigating the UFED menu)
4. SIM Card Slot
5. Target-side Connectors
   (For extraction to USB disk drive)
6. Power Button
7. Function Keys
   (F1 for help. F2 for select/deselect all)
8. Power Connector
10. Battery kit and battery housing protective covering
The UFED device can be powered by:

1. AC power supply
2. Car power supply
3. Battery power

**Battery Power**

- To run the UFED on battery power, flip the power switch to the right (“BAT”) position. Battery power will take over.

**Charging the Battery**

- To re-charge the battery, connect the device to an AC adapter (supplied with the kit), and then flip the power switch to the left (“CHG”) position.
<table>
<thead>
<tr>
<th>LED Status</th>
<th>Indication</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>Battery charge in process</td>
</tr>
<tr>
<td>Green</td>
<td>Battery fully charged</td>
</tr>
<tr>
<td>No light</td>
<td>Sleep mode (no input power source) OR No battery connected OR Charge</td>
</tr>
<tr>
<td></td>
<td>suspended (timer fault or thermal shutdown) OR Over-voltage fault</td>
</tr>
<tr>
<td>Flashing Red</td>
<td>Indicates a problem with the battery. Verify that the battery is</td>
</tr>
<tr>
<td></td>
<td>connected properly</td>
</tr>
</tbody>
</table>
Cellebrite UFED

Getting Started
► Connect the power supply adapter to the UFED. "Please Wait" appears briefly on the screen.

► Version numbers will appear.

► The UFED is ready to be used, when the following Main Menu is displayed:
The UFED shows menu options on the display.

Use the ▲▼ keys to move between options.

To select an option, press ▶ or the OK key.

To return to the previous menu, press ◄. When additional help is available, a help icon will appear in the upper left of the screen. Press F1 to view this help.
When working with the UFED, the process flows as described in the following flowchart.

The process is the same for SIM cards as it is for phones.
• Select **Extract Phone Data** from the **Main Menu** in order to copy data from a phone (the source) to (the target).

• This function can extract:
  ➢ Phonebook
  ➢ SMS text messages
  ➢ Pictures, etc.
  ➢ From mobile phone memory

• The **UFED** guides you each step of the way during this process.
The overall flow when performing a phone data extraction is as follows:

1. Define the source phone:
   - Phone vendor
   - Phone model
   - Place you will copy from (Cell Phone or SIM card)
   - Method of connectivity with the phone
   - Content you wish to extract from the phone (Call log, phonebook, images etc.)

2. Define the target for the data extraction:
   - USB drive

3. Extract data.

4. Extract data.
Samsung Model: ZV-30
1. Define Your Source:

A. Main Menu

➢ Select Extract Phone Data from the main menu.

➢ Use the ▲▼ keys to move between options. Press OK or ▶ to continue.
Main Menu

Extract Phone Data
Extract SIM/USIM Data
Services
B. Select Source Vendor

➤ Select the vendor (manufacturer) of the source phone.

➤ Use the ▲▼ keys to move between options.

➤ Press OK or ► to continue.
Select Source Vendor

MTK
Sagem
Samsung G310A
Samsung GSM
Samsung T911A
C. Select Source Model

➢ Select the source phone model.

➢ NOTE: If you do not know the model, you can often find the phone model on a sticker beneath the battery.

➢ Use the ▲▼ keys to move between options. Press OK or ► to continue.

➢ To return to the previous menu, press ◀.
<table>
<thead>
<tr>
<th>Select Source Model</th>
<th>Samsung ZV10/ZV30</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Samsung ZX10</td>
</tr>
<tr>
<td></td>
<td>Samsung ZX30</td>
</tr>
<tr>
<td></td>
<td>Samsung ZV40</td>
</tr>
<tr>
<td></td>
<td>Samsung D100</td>
</tr>
</tbody>
</table>
D. Select Source Memory

- Select the source memory location you wish to extract.

- Use the ▲▼ keys to move between options. Press OK to select the currently highlighted option, or press F2 to select all. Press ► to continue.

- **NOTE:** Some phones do not allow access to the SIM card data via the data cable. In these cases, you will be prompted during the process to remove the SIM card and insert it into the SIM Card Slot.
E. Select Source Link

➢ This step determines how the phone will connect to the UFED. This message appears only if the phone supports more than one connection method:

•

•

➢ Use the ▲▼ keys to move between options. Press OK or ▶ to continue.
Select Source Phone Link

Cable

Bluetooth

IR (Infrared)
2. Target Selection

> Select where the content will be copied to.

> **NOTE:** When the content is stored

> Use the ▲▼ keys to move between options. Press OK or ► to continue.
2. Content Types

- Select content types to be extracted. The UFED displays the options according to the capabilities available in the phone. (ex. If the phone does not support video, the “Videos” option will not appear).

- Use the ▲▼ keys to move between options. Press OK to select an option. Pressing on F2 will select/deselect all options.

- Press ► to continue.
Select Content Types

- Call Logs
- Phonebook
- SMS
- Pictures
- Videos
3. Transfer Instructions: Connection

The UFED now displays the connectivity instructions.

A. Make sure that the phone is powered on, and the data connector is clean.

   ✓ NOTE: When connected to the UFED, some phones will prompt you to choose an operating mode, such as “PC Suite” or “Phone Mode”.

B. Press ➤ to Start extraction.

C. UFED will connect to the phone and the phone entries will be read.
Transfer Instructions

Source: Connect Cable 79
Target: 15 Disk Drive
3. Connect Target Device

▷ The UFED is ready to copy the data.
▷ Press ▶ to continue.
▷ WARNING: Do not disconnect the phone or the power adaptor during the process! Once started, the process should not be interrupted.
Connect Target

Make sure Target is connected and ready for transfer.
Follow the instructions on the screen for your specific model.

Press ▶ to continue.
4. Completion

- Upon the completion of the process the UFED displays a message.

- The message on the screen includes the status of the transfer, the phone's ESN (for GSM) OR IMEI (for CDMA) number.
Transfer Summary

Transfer completed successfully.
NUM:
ESN: 055853011541460
5. 

A. (b)(7)(E)

B. The transfer process is complete and you may now disconnect the phone and the PC from the UFED device.
Cellebrite UFED

Extracting SIM/USIM Data

U.S. Customs and Border Protection
When working with the UFED, the process flows as described in the following flowchart:
- UFED is equipped with an integrated SIM/USIM card reader.
- It is located at the bottom of the UFED.
- Use this SIM reader to extract data directly from the SIM card instead of via the phone.
In other words, in a SIM extraction, the UFED reads the SIM data bit by-bit, which will also read deleted messages.

In a phone extraction, the UFED requests SIM data from the phone, and the phone does the actual SIM reading.

As a result, the SIM data that comes when performing a phone extraction is dependant on the phone.

When using the SIM Card Reader, insert the SIM as shown in the picture below. Be sure that the angled side is on the outer side. The actual SIM contacts should be facing down.
Define Target
(USB, SD Card, or PC)

Connect Device

Extract Data
1. Extract SIM/USIM Data

➢ Select Extract SIM/USIM Data from the main menu.

➢ NOTE: If the SIM is protected with a PIN, you will need to enter the PIN during the transfer process.

➢ To enter the PIN code, use the ▲▼ keys to move the cursor to the required digit, and press OK to select that digit.

➢ Repeat this for each digit of the PIN. To delete a digit, press the © key. When complete, press F3.
Main Menu
Extract Phone Data
Extract SIM/USIM Data
Clone SIM
Memory Dump
Services
Extract SIM/USIM Data

- Select Source Model
  - 2G/3G SIM
  - Iden SIM
Select Source Model

2G/3G SIM
Iden SIM
2. Target Selection

- Use the ▲▼ keys to move between options. Press OK or ► to continue.

where the content will be copied to.
2. Content Types

➢ Use the ▲▼ keys to move between options. Press OK to select an option. Pressing on F2 will select/deselect all options. Press ► to continue.
Define Source
(Phone, Vendor, Model, Make, Usage, etc.)

Define Target
(USB, SD Card, or PC)

Connect Device

Extract Data
3. Connect Target Device

➢ Message on UFED:
• **Sim reader**: Insert SIM card into the UFED with the SIM card’s contacts facing down and the sliced corner pointing toward you.
➢ Press OK or ▶ to continue.
➢ The UFED will connect and read the SIM info.
4. Connect Target Device

➢ The UFED is ready to copy the data.

➢ Press ▶ to Continue.

➢ Transfer completed successfully
NUM: and ESN will be displayed.

➢ Press ▶ to continue.
Connect Target
Make sure Target is connected and ready for transfer.
We just need to [[redacted]]

A. and can be opened on any PC.

B. The transfer process is complete and you may now disconnect the phone and the PC from the UFED device.