Technical Procedure for the Physical Dump of Cellular Telephone Data

1.0 Purpose - The purpose of this procedure is to extract data from cellular telephones.

2.0 Scope – This procedure describes the steps to be taken by personnel of the State Crime Laboratory in extracting data from various types of cellular telephones which may be submitted.

3.0 Definitions

- **Cellebrite** – A universal forensic extraction device for cellular telephones.

4.0 Equipment, Materials and Reagents

- Cellebrite unit with catalog of cellular telephone adapter cables
- Thumb drive

5.0 Procedure

5.1 Ensure legal authorization. Consult State Crime Laboratory legal counsel if necessary.

5.2 Determine if telephone is supported to do physical dumps. If supported, match telephone to corresponding cable. If not supported, proceed with previous Cellebrite extraction method.

5.3 Select physical dump from the main menu and select OK to continue.

5.4 Select manufacturer of the telephone and select OK to continue.

5.5 Select model of telephone and select OK to continue.

5.6 Select USB drive as the Target Storage Media to continue.

5.7 When instructed, connect the source telephone, using the appropriate cable, to the USB port on the left side of the UFED and then connect the USB drive to the port on the right side of the UFED.

5.8 Once both are connected, select the forward arrow to start dump.

5.9 Some models of telephones may prompt selection of a connection mode on the telephone's display screen. The UFED will display the direction to select the connection mode.

5.10 Do not disconnect telephone while dump is in process.

5.11 "Extraction completed successfully" will be shown at completion of dump process.

5.12 It is now safe to disconnect telephone from UFED.

5.13 Standards and Controls - N/A

5.14 Calibrations - There is no calibration required due to the variability of cellular telephone models on the market and the lack of a universal standard for performance verification.

5.15 Maintenance – N/A

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5.16 Sampling - N/A

5.17 Calculations - N/A

5.18 Uncertainty of Measurement – N/A

6.0 Limitations - A cellular telephone shall be powered off when submitted for analysis. During processing, it is necessary to power on the telephone. Ensure the device does not to connect to its cellular network. Allowing the telephone to receive a signal from the cellular network might result in a change in the data contained on the internal memory of the telephone.

7.0 Safety – N/A

8.0 References

- Cellebrite UFED User Manual

9.0 Records – N/A

10.0 Attachments – N/A

Revision History		
Effective Date	Version Number	Reason
09/17/2012	1	Original Document

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