

**Mobile Forensics, Inc.**

# Mobile Forensics 101 Workshop

*Introduction to Mobile Forensics.*

Location:

Date:



*Mobile Forensics, Inc.*

*The LEADING non vendor training company in the United States*

*WHY train with anyone else?*

## **Welcome to the first phase of Mobile Forensics Inc.'s Mobile forensics workshops.**

### ***Overview:***

An introduction to the legal issues, service providers and current methodologies. Hands on instruction on data extraction from GSM, iDEN and CDMA handsets, using a multitude of software to include, Susteen's Secure View, Bitpimm, Cellebrite and AccessData's MPE+. Students will learn the basics of the cellular network and will have a foundation in the history of cellular technology.

### ***Class Schedule:***

3 Day course which will cover the following material:

- Legal Considerations/ History of Mobiles
- Introduction to the cellular network
- Handsets and SIM cards
- Secure View/Bitpim/Cellebrite/MPE+
- Unlocking CDMA and GSM handsets
- Faraday Technology
- Manual Examinations
- Trouble Shooting
- Preparing data for reporting
- Call Detail Records
- Trial Preparation
- Practical and Written examination

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## Day One

Provide a brief synopsis of mobile phone history.

- Define mobile phone terms.
- Describe how mobile phones work on a Cellular Network

Provide Legal Considerations with Cellular Evidence

- Physical Device
- Call Detail Records
- Case Law Review

Provide overview of Subscriber Identify Modules (SIM)

- Structure
- Evidence locations
- Forensic SIM Clone

Provide an overview of cellular phone handsets Handsets

- Data Storage
- Evidence locations
- Physical vs. Logical

Understand the importance of a Forensic Process

- Why a Process and not a Forensic Tool
- Why follow a process
- Rules of Data Extraction
- Isolation Techniques (Mesh/Bags and Forensic SIMs)

## Day Two

Bitpim

- How to setup and install
- Using Offline
- Obtaining a filesystem
- Extraction of data
- Export and Import into DNCompiler
- Labs

MFI Forensic SIM Cloner

- Why create a Forensic SIM
- What happens if you do not.
- Create a Forensic SIM
- Labs

Susteen's Secure View For Forensics

- How to setup and install
- Setup a Folder/Cable Selection
- Extraction of data
- Mobile Secure View Exposure
- Labs

Additional Software

- General Overview and Hands on with:
  - SmartMoto
  - Carrier RSS/iDEN Software
- Labs

## Day Three

Cellebrite

- Setup and install
- Extraction of data
- Export and Reporting of data
- Labs

AccessData's Mobile Phone Examiner Plus

- Setup and install
- Extraction of data
- Export and Reporting of data
- Labs

Manual Documentation

- Discuss reasoning
- Options
  - Project A Phone
  - ZRT
- Screenshots

Case Preparation

- Putting multiple software reports together
- What should be included in our report
- DNCompiler Overview

Practical/Presentation

- Mock Trial
- Practical Examination of GSM/CDMA device
- Written Examination