

5 Day Cellular Technology and Forensics (CTF) Certification

Instructor:

Glenn Bard is a retired Pennsylvania State Trooper First Class and a U.S. Veteran of Operation Desert Storm. In 1999 Glenn began Computer Crime Investigations for the state police and has since investigated crimes across the United States ranging from Child Pornography to Criminal Homicide. Glenn has also conducted forensic examinations for city, state and federal Law Enforcement Agencies including the FBI, US Postal Inspectors, and I.C.E. as well as foreign governments.

Glenn has been certified as an expert in numerous states, the U.S. Virgin Islands and the United States Federal Court System in the areas of Digital Forensics, Cellular Technology and Computer Technology.

Glenn has been a speaker for organizations of all sizes and types, both public and private, to include the American Academy of Forensic Sciences, World Security Congress, and hundreds of law enforcement agencies, law firms and universities.

Several of the cases Glenn has worked have received National coverage, to include Fox News, Dateline, the Associated Press, Yahoo!, the New York Times, and many more.

Glenn has received numerous awards during his military and police career, including Honorable Discharges from both the United States Army and the Pennsylvania State Police.

Glenn developed, created and implemented certifications for two forensic software companies used by agencies around the world.

Glenn is the Chief Technical officer for PATCtech, overseeing all Digital Forensic and Data Services. Glenn has acted as technical consultant and/or personally developed Computer Forensic Programs at multiple Colleges, to include Westmoreland County Community College where he was a faculty instructor prior to retiring.

Legal and Liability Risk Management Institute
700 N. Carr Rd., # 595
Plainfield, IN 46168

Phone: 317-386-8325
Fax: 317-386-8228

Visit us on the Web at:
WWW.LLRMI.COM



PRSR STD
US POSTAGE
PAID
FT MYERS FL
PERMIT 569

April 24, 25, 26, 27 & 28, 2023 • Urbana, Illinois



Legal & Liability Risk Management Institute

ILEAS Training Center

Urbana, Illinois



James R. Alsup, *Director*

Training Seminar

5 Day Cellular Technology and Forensics (CTF) Certification

Instructor:

Glenn Bard, (Retired)
Pennsylvania State Trooper



April 24, 25, 26, 27 & 28, 2023

Urbana, Illinois

Register On-Line At: WWW.LLRMI.COM



5 Day Cellular Technology and Forensics (CTF) Certification

Course Objectives:

SECTION 1: Forensic Cell Phone Data Recovery

The primary objectives of this section are to familiarize the law enforcement officer and investigator with different cell phone data recovery solutions and practical techniques used in cell phone data analysis.

Primary Topics Covered in this section include:

Different Types of Cell Phones:

Cover CDMA, GSM, LTE, VOLTE, 5GE and cellular phones and the differences, Discuss which companies use which type of technology, Discuss the new smart phones, such as the iPhone and Android and Using the internet to determine the wireless carrier for a cell phone.

Cell Phone Forensics Utilities: Demonstrate and allow for hands on application of several types of software and hardware to examine the contents of the phones for each type of cell phone technology. (i.e., iOS, Android and feature phones.) Many types of utilities will be covered ranging from free software to expensive forensic software packages.

Cell Phone Seizure: We will discuss the proper steps to seizing and storing a cell phone so that the data is protected.

Cell Phone Resources on the Internet: In this block we will discuss and explore many websites that focus on cell phone forensics.

Wireless Carriers: We will learn what type of information we can obtain from the wireless carrier that may help our examination easier and more effective.

Legal Block and Case Law: How to prepare a proper search warrant for the data stored on a cell phone, and current case law pertaining to cellular technology.

SECTION 2: Cell Phone Technology

The purpose of this section is to expose the attendee to proficient and effective investigations utilizing available databases and cellular usage records.

The attendee will be trained on proven effective techniques to enhance their criminal investigation.

Everyone has heard about the prevalence of cell phones in criminal investigations. This technology exists and is currently being utilized across the United States to convict thousands of criminals. From homicides, fraud investigations, assaults to aggravated kidnappings, this course will demonstrate the basic concepts and methods to utilizing cellular records to prosecute criminals.

This course is specifically designed for police officers, investigators, fire investigators, detectives, criminal investigation personnel, special investigation units or any other individual to increase their knowledge and effectiveness in the recognition, use and display of information derived from background research and cellular data records.

Primary Topics Include:

- Types of cellular records available as a law enforcement official
- Methods to acquire cellular records
- Understanding cellular records
- Proven ways to display cellular records in a court of law
- Understanding the usage and manner in cellular tower records
- Software solutions that effectively display cellular records

CTF Certification Details

The PATCtech CTF Certification is a one-of-a-kind certification for law enforcement, private investigators, SIU's and computer specialists. CTF training and testing validates a user's ability to use cell phone records and cell phone forensic technologies in any type of investigation.

The PATCtech CTF Certification is valid for two (2) years beyond the completion date of your most recent CTF qualified training.

CTF Certification Testing

Test Based on the Cell Phone Technology and Forensic Data Recovery Content Covered During This Class. Details on testing procedures will be given during class. Training and successful completion of certification testing qualifies for CTF Certification and/or re-certification.

Note

It is **highly recommended**, yet not required, for students to bring a PC based laptop computer. A large portion of this class is hands on and anyone with out a laptop may not be able to participate in the hands on exercises.

Cut Along Dotted Line

3 Ways to Register for a Seminar!

Ways to Register

1. **Register Online:** WWW.LLRMI.COM

2. **Fax Form:** 317-386-8228

3. **Mail Form to:**

Legal and Liability Risk Management
700 N. Carr Rd., # 595
Plainfield, Indiana 46168

Federal ID: 81-0692135

If you have any questions please call

317-386-8325

Upon receiving your registration we will send an invoice to the department or agency.

Checks, Claim Forms, Purchase Orders should be made payable to: LLRMI

Seminar Agenda 5 Day Cellular Technology and Forensics (CTF) Certification

April 24, 25, 26, 27 & 28, 2023 • Urbana, Illinois

Monday, April 24, 2023

8:00 a.m.—8:30 a.m. **Registration**

8:30 a.m.—12:00 p.m. Identifying the Needs of Cellular Forensics
What Can Be Obtained?
Preserving the Phone

12:00 p.m.—1:00 p.m. **Lunch (On Your Own)**

1:00 p.m.—5:00 p.m. Preparing to Conduct the Forensic Extraction

Tuesday, April 25, 2023

8:00 a.m.—12:00 p.m. Using Various Software to Extract Data From Phones

12:00 p.m.—1:00 p.m. **Lunch (On Your Own)**

1:00 p.m.—5:00 p.m. Hands-On Forensic Analysis of Cellular Phones

Wednesday, April 26, 2023

8:00 a.m.—12:00 p.m. Continue Hands-On Forensic Analysis of Cellular Phones

12:00 p.m.—1:00 p.m. **Lunch (On Your Own)**

1:00 p.m.—5:00 p.m. Hands-On Class Practical

Thursday, April 27, 2023

8:00 a.m.—12:00 p.m. Introduction to Cellular Technology and Terminology
Identifying Cellular Providers
What Can Be Obtained From the Providers
Preparing the Legal Process

12:00 p.m.—1:00 p.m. **Lunch (On Your Own)**

1:00 p.m.—5:00 p.m. Understanding the Results
Mapping the Results
Identifying Locations
Understanding the GPS

Friday, April 28, 2023

8:00 a.m.—12:00 p.m. Class Practical
Testing the Results and Recreating the Scenario
Creating a Complete Forensic Report
Testifying in Court
CTF Certification Testing Procedures Given

12:00 p.m. **Certificate Presentation**

Seminar Title: 5 Day Cellular Technology and Forensics (CTF) Certification

Instructor: Glenn Bard

Seminar Location: ILEAS Training Center
1701 East Main Street
Urbana, Illinois 61802

When: April 24, 25, 26, 27 & 28, 2023

Registration Time: 8:00 a.m. (April 24, 2023)

Hotel Reservations: Comfort Suites, Urbana
2001 North Lincoln
I-74, Lincoln Avenue Exit
Urbana, Illinois 61801
1-217-328-3500
\$85.00 Single or Double (plus tax)

Registration Fee \$495.00 Includes 5 Day Cellular Technology and Forensics (CTF) Certification, **Printed Training Manual** and Certificate of Completion.

Seminar ID
#16062

Note:
To receive special room rates, please identify yourself with
Group Rate: CPT

Names of Attendees 1. _____

2. _____

3. _____

4. _____

Agency _____

Invoice To Attn: _____
(Must Be Completed)

Address _____

City _____ **State** _____ **Zip** _____

Email _____

Phone _____ **Fax** _____