5-Day Cellular Technology and Forensics (CTF) Certification

Course Overview

This 5-day certification prepares investigators and technical personnel to locate, recover, analyze, and present cellular evidence. The course blends foundational cellular-technology theory (CDMA, GSM, LTE, VoLTE, 5G), hands-on forensics with iOS/Android/feature phones, carrier-record acquisition methods, legal considerations, evidence seizure/storage, and practical courtroom presentation techniques. Successful completion awards the PATCtech CTF Certification, valid for two years.

Course Objectives

By the end of the course, participants will be able to:

- Identify cellular systems and networks (CDMA, GSM, LTE, VoLTE, 5G) and explain carrier differences and implications for investigations
- Recognize smartphone and feature-phone architectures and the types of data each commonly stores (call/SMS logs, location/tower data, app data, internet metadata)
- Properly seize, store, and preserve mobile devices to prevent data loss and maintain forensic integrity
- Use multiple forensic software and hardware tools to image, extract, and analyze data from iOS, Android, and basic phones
- Acquire and interpret wireless carrier records (call detail records, billing, tower data) and combine them with device extractions
- Correlate cellular records and device artifacts to build timelines, movement/location analysis, and event reconstruction
- Draft effective search warrants and affidavits for mobile and carrier data; understand and apply current case law and legal best practices
- Format and present cellular evidence clearly and convincingly for investigative reports and court testimony.

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.

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Legal and Liability
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Plainfield, IN 46168

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www.llrmi.com

April 5, 6, 7, 8 and 9, 2027 • LaPlace, Louisiana

TRAINING SEMINAR

5-Day Cellular Technology and Forensics (CTF) Certification

April 5, 6, 7, 8 and 9, 2027
LaPlace, Louisiana

SPONSORED BY:
St. John Parish Sheriff's Office
LaPlace, Louisiana

★ **LLRMI Experienced Instructors Make the Difference** ★

Instructor

Glenn Bard, CISSP, EnCE, CHFI, A+, Network+, Security+, AME
Pennsylvania State Trooper (Retired)

Register On-Line at: www.llrmi.com

Legal & Liability Risk Management Institute
James R. Alsup, Director
www.llrmi.com

Seminar Agenda

Monday, April 5, 2027

8:00 – 8:30 am	Registration
8:30 am – 12:00 pm	Identifying the Needs of Cellular Forensics What Can Be Obtained? Preserving the Phone
12:00 – 1:00 pm	Lunch (On Your Own)
1:00 – 4:30 pm	Preparing to Conduct the Forensic Extraction

Tuesday, April 6, 2027

8:00 am – 12:00 pm	Using Various Software to Extract Data From Phones
12:00 – 1:00 pm	Lunch (On Your Own)
1:00 – 4:30 pm	Hands-On Forensic Analysis of Cellular Phones

Wednesday, April 7, 2027

8:00 am – 12:00 pm	Continue Hands-On Forensic Analysis of Cellular Phones
12:00 – 1:00 pm	Lunch (On Your Own)
1:00 – 4:30 pm	Hands-On Class Practical

Thursday, April 8, 2027

8:00 am – 12:00 pm	Introduction to Cellular Technology and Terminology Identifying Cellular Providers What Can Be Obtained From the Providers Preparing the Legal Process
12:00 – 1:00 pm	Lunch (On Your Own)
1:00 – 4:30 pm	Understanding the Results Mapping the Results Identifying Locations Understanding the GPS

Friday, April 9, 2027

8:00 am – 12:00 pm	Class Practical Testing the Results and Recreating the Scenario Creating a Complete Forensic Report Testifying in Court CTF Certification Testing Procedures Given
12:00 pm	Certificate Presentation

Instructor Bio

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 Pennsylvania 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.

He 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.

He 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.

Registration Form – 5-Day Cellular Technology and Forensics (CTF) Certification #17523

Names of Attendees

1. _____ 3. _____

2. _____ 4. _____

Agency _____

Invoice To Attention of: (Must be completed.) _____

Address _____

City _____ State _____ Zip _____

Email _____ Phone _____ Fax _____

3 Ways to Register

Register Online at www.llrmi.com

Fax Form to: 317-386-8228

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**

❖PREPAYMENT IS NOT REQUIRED TO REGISTER❖

Upon receiving your registration we will send an Invoice to your department or agency. Checks, claim forms, purchase orders should be made payable to LLRMI.

Seminar Title:	5-Day Cellular Technology and Forensics (CTF) Certification
Seminar ID:	**#17523**
Dates:	April 5, 6, 7, 8 and 9, 2027
Registration Time:	April 5, 2027, 8 am
Instructors:	Glenn Bard
Seminar Location:	Lloyd B. Johnson Law Enforcement Center 947 Cambridge Drive LaPlace, Louisiana 70068
Hotel Reservations:	Holiday Inn Express 4284 Highway 51 LaPlace, Louisiana 70068 1-985-618-1600 State Gov't Rate (plus tax)
Group Code:	**State Gov't Rate - Must show State Gov't ID at check in to receive rate**
Registration Fee:	$525.00 Includes 5-Day Cellular Technology and Forensics (CTF) Certification Training, **Printed Training Manual** and Certificate of Completion

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