

**3 Ways to Register for a Seminar!**

1. **Register Online** at [www.patc.com](http://www.patc.com) — Yellow link upper left corner
2. **Fax Form** to Public Agency Training Council **FAX: 1-317-821-5096**
3. **Mail Form** to

Public Agency Training Council  
 5235 Decatur Blvd  
 Indianapolis, Indiana 46241  
**Federal ID# 35-1907871**

\*\*\* Pre-payment is **not required** to register \*\*\*



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

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



**Public Agency Training Council**

If you have any questions please call  
**317-821-5085 (Indianapolis)**



**800-365-0119 (Outside Indianapolis)**

**Seminar Title:** Cell Phone Technology & Forensic Data Recovery Certification

**Seminar ID #10506**

**Instructor:** Glenn Bard

**Seminar Location:** Kitsap Readiness Response Institute  
 1211 Carver Street  
 Bremerton, WA 98312

**When:** July 23, 24, 25, 26 & 27, 2012

**Registration Time:** 8:00 A.M. (July 23, 2012)

**Hotel Reservations:** **Baymont Inn & Suites**  
 5640 Kitsap Way  
 Bremerton, WA 98312  
 1-360-377-7666  
 \$77.00 Single or Double

**Note:** To receive discount room rates, identify yourself with **PATC**.

**Registration Fee:** \$695.00 Includes Training, Hand-outs, Course Manuals, Microsoft® Street & Trips, USB Flash Drive.  
**\*\*One set of cable kits per department**

**Names of Attendees** 1. \_\_\_\_\_  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_  
 4. \_\_\_\_\_

**Agency** \_\_\_\_\_

**Invoice To Attn:** \_\_\_\_\_  
 (Must Be Completed)

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**July 23, 24, 25, 26 & 27, 2012 • Bremerton, Washington**



A division of Public Agency Training Council

Sponsored By:  
**Kitsap County Sheriff's Office**  
 Port Orchard, Washington

Training Seminar  
**Cell Phone Technology & Forensic Data Recovery Certification**  
 For Investigators

*No matter what size agency you work for, if you are a criminal investigator and have not been trained in Cell Phone Technology & Digital Forensics, You **DO NOT** have all the Evidence.*

**Who Should Attend:** All New and Experienced Investigators --- Drug - Homicide - Sex Crimes - Terrorism - Burglary/Robbery - Fire/Arson, etc... I.T. Specialists and Digital Forensics Examiners are also welcome to attend

**Note:** It is **highly recommended**, yet not required, for students to bring a 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.

**Instructor:**

**Glenn K. Bard, CFCE, CEECS, CHFI, A+, Network+, Security+, ACE**  
**Pennsylvania State Police (Retired)**

Glenn Bard is a retired Pennsylvania State Trooper First Class and U.S. Veteran of Operation Desert Storm. In 1999, Glenn began Computer Crime Investigations for the PA 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. Prior to retiring, Glenn was selected by the US Attorney's Office in Pittsburgh and OPDAT to teach computer crime investigations and computer forensics in Tirana, Albania.

Due to his training and experience, Glenn has been certified as an expert in Pennsylvania Court of Common Pleas and the United States Federal Court System in the areas of Digital Forensics, Cellular Technology and Computer Technology. Glenn has also been certified as an expert Instructor in the State of Maryland.

Additionally, he has been a speaker for organizations of all sizes and types, both public and private, to include the Cyril H. Wecht Institute of Forensic Science and Law, Pennsylvania Fraternal Order of Police, Illinois Fraternal Order of Police, New Jersey Fraternal Order of Police, Federal Fraternal Order of Police, and the Institute of Law Enforcement Education, among many others.

Several of the cases Glenn has worked on have received National coverage, to include Fox News, Dateline, the Associated Press, Yahoo!, the New York Times, Pittsburgh Post-Gazette, Pittsburgh Tribune Review and many national publications.

Additionally, 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 is the Chief Technical officer for PATCtech, overseeing all Digital Forensic 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.

**July 23, 24, 25, 26 & 27, 2012**  
 Bremerton, Washington

**Register On-Line At: [www.patc.com](http://www.patc.com)**

# Cell Phone Technology & Forensic Data Recovery Certification For Investigators

## SECTION 1: Forensic Data Recovery:

The primary objectives of this course 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 and iDEN cellular phones and the differences;
- Discuss which companies use which type of technology;
- Discuss the new smart phones, such as the iPhone, Blackberry, Windows Mobile and Palm OS;
- Using the internet to determine the wireless carrier for a cell phone.

### Cell phone connection hardware:

Look at several types of connection hardware to conduct exams such as USB Data cables, Bluetooth connectors, and SIM Card readers.

### 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., CDMA, GSM and iDEN.) Many types of utilities will be covered ranging from free software to expensive forensic software packages. (Including Bitpim, MOBILedit, Device Seizure, Secure View, Oxygen Forensic and Project-a-Phone.

### 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.

\*Each student will be given the opportunity to use all of the listed devices and software in a hands-on environment.

**PATCtech Cell Phone Certifications**  
**CTF +SMART**

For more information visit

<http://www.patctech.com/training/certifications.shtml>

## SECTION 2: Cell Phone Technology:

Everyone has heard about the prevalence of cell phones in criminal investigations. From CSI to 24, 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.

Major 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
- Overview of commercially available software that effectively displays cellular records

### Course Purpose:

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

The attendee will leave the seminar with an increased knowledge and proven effective techniques to enhance their criminal investigation.

### SOFTWARE COVERED IN THIS CLASS:

Mobiledit! Forensic: Cell Phone Recovery & Reporting Software

BitPim: A free utility that will be one of your most useful forensic tools

Microsoft Street & Trips: Mapping software used in the Section 2.

Device Seizure: Data recovery software used for many types of devices

Oxygen Forensic Suite: Data recovery software used for many types of phones ...

many other software utilities (forensic and multi-purpose) will be discussed during this class.

### HARDWARE COVERED IN THIS CLASS:

Secure View Mobile | Project-a-Phone

and more... Students will see and get hands on practice with these hardware appliances that are revolutionizing the cell phone forensics industry!

SEE [PATCtech.COM](http://PATCtech.COM) FOR DETAILS!

*This is a Tested Training Class.*  
Test Based on the Cell Phone Technology and Forensic Data  
Recovery Content Covered During This Class.  
A Passing Score of 70% or Greater is Required to Receive  
your Certification.

Cut Along Dotted Line

# Seminar Agenda Cell Phone Technology & Forensic Data Recovery Certification For Investigators July 23, 24, 25, 26 & 27, 2012 • Bremerton, Washington

## Monday, July 23, 2012

8:00a.m.-8:30a.m.	Registration
8:30a.m.-12:00p.m.	Identifying the Needs of Cellular Forensics What Can Be Obtained? Connecting Hardware Preserving the Phone
12:00p.m.-1:00p.m.	Lunch (On Your Own)
1:00p.m.-5:00p.m.	Using Various Software to Examine Phones

## Tuesday, July 24, 2012

8:00a.m.-12:00p.m.	Using Various Software to Examine Phones
12:00p.m.-1:00p.m.	Lunch (On Your Own)
1:00p.m.-5:00p.m.	Class Practical Testifying in Court Mock Trial

## Wednesday, July 25, 2012

8:00a.m.-12:00p.m.	Legal Block & Case Law Online Resources
12:00p.m.-1:00p.m.	Lunch (On Your Own)
1:00p.m.-5:00p.m.	Introduction to Cellular Technology and Terminology

## Thursday, July 26, 2012

8:00 a.m. – 12:00 p.m.	Identifying Cellular Providers What Can Be Obtained From the Providers Preparing the Legal Process Understanding the Results
12:00p.m.-1:00p.m.	Lunch (On Your Own)
1:00a.m.-5:00p.m.	Mapping the Results with Streets and Trips Identifying Locations Understanding the GPS

## Friday, July 27, 2012

8:00a.m.-10:00p.m.	Class Practical Testing the Results and Recreating the Scenario Testifying in Court Mock Trial
10:00a.m.-12:00p.m.	Written Test