



Cyber Investigation105 – BCPI

This 2-day course is for officers, investigators, and analysts that encounter cell phone evidence, and includes the acquisition and analysis of information external to the phone. Class concepts include instruction on how to request, read, and analyze Call Detail Records obtained from cellular providers and plot cellular site locations to determine the position of a suspect during a given time frame. Also, this course provides guidance to first responders on proper procedures to seize and preserve evidence on a cell phone until that phone can be fully analyzed. The student is also shown techniques for tying all this information together for case reports and/or court room presentations. No special hardware or software is required, just a new knowledgebase to apply to cell phone cases. This course focuses heavily on analysis and, as such, a strong working knowledge of Microsoft® Office is highly recommended. This course also has a companion course, Cyber-Investigation 205 – Cell Phone - GPS Interrogation (CP/GPS-I), which focuses on the obtainable data internal to the device itself.

Prerequisites: None.

Dates of Training:

Sept. 9 and 10, 2013

Location of Training:

Washington State Criminal Justice Training Division

19010 1st Ave. South

Burien, Washington 98148

Registration Link:

<http://www.nw3c.org/training/computer-crime/31>

Training Agenda

TELEPHONE NETWORKS

Identify and discuss the major components that make up both Land-Line and Cellular networks, and how those two networks work together.

CELLULAR TECHNOLOGIES

Identify the two major types of cell phones (GSM and CDMA), and discuss the differences in cell phone generations from 1G – 4G.

CELL SITES

Identify the two primary types of cell sites (cell towers), some various design features of cell sites, and the advantages and disadvantages of the different types of cell sites to law enforcement.

CALL DETAIL RECORDS

Explain what information should be requested from a service provider, and identify the common type of information found on a provider's Call Detail Records.

PLOTTING CELL SITE LOCATIONS

Explain how to historically plot cell site locations that were used by a suspect to determine the approximate location of a suspect at a given time.

PERPHOUND™

All students are provided with a software tool developed by NW3C that aids in plotting large number of cell site locations.

INTRODUCTION TO DATA ANALYSIS

Provide an introduction for students on techniques for data analysis, such as: Filters, Sorting, and Pivot Tables. Students will also learn how to merge two related spreadsheets.