Cell Phone Data and Mapping
Managing and Mapping Cell Phone Data for Case Management and Prosecution

Course Details

Host by: Hamilton Township Police

Location: 7780 South State Route 48 Hamilton Twp., OH

Dates: 09/11/2017 to 09/12/2017, 8am - 4pm

Cost: $420.00, $450.00 or $475.00 (depending on registration date)Includes training manuals, access to online materials, trial version of CDR mapping software packages

**Register at
www.policetechnical.com**

Course Highlights
Personnel will be better able to view, analyze and present cell phone data (and related data sets) generated from current investigations. Through the use of specific studies and prepared sample sets of data (generated from actual cases), students learn how to analyze and present data found in typical investigations. Special data sets (non-cell phone) are also presented as potential sources for evidence. By the end of the course, students will be confident in their ability to manage and present digital data sets (cell and others) as evidence in court and in special hearings.

Who Should Attend
This class is designed for any investigator. Experience or training in cell phone investigations is not required. Previous students have included investigators, detectives, analysts, support staff, and supervisors .

Material Requirements
Students should bring a laptop with Microsoft Excel, Word and PowerPoint (version 2003 or higher). Additional materials (data sets) will be provided to students upon arrival.

Agenda

Day One

1. Youv'e got the data now what?
2. If/ Then Statements - Looking at the Data, Outside Call Lists, Who is calling who?, Distinct Call Lists For Use in V-Lookups
3. V-Lookups - Getting the facts from the Data, Linking Numbers to People, Tower Locations, Human Readable, Intermediate Code
4. Pivot Tables - Finding the important clues in the Data, Call Frequency, Tower Frequency, Sum of Calls, Sum of Minutes

Day Two

1. Evidence Continuity - Making the Data Make Sense (to everybody)
2. Color Coding - Adding SMS, Combining Data
3. Mapping Call Data - Showing the relationship between the data, reality and location, Basic Google Earth KML Creation, KML Creator, Google Docs
4. Gephi - Data Analysis, powerful, simple, and free, Importing Data, Manipulating Data, Combining Data
5. PowerPoint - Presenting the results in a format everyone can see and believe, Presenting Cell Data in Court and Hearing, Screen Captures, Splash Screen, Linking to Outside Documents

Instructor: James Isaacs
James Isaacs is currently assigned to the Detective Bureau for a department in Southern Michigan. He has been the lead investigator in over 600 cases to including: Homicide, Suicide, Shootings, Bank Robbery, Armed Robbery, Unarmed Robbery, Burglary, Fraud, Identity Theft, Human Trafficking, Child Sexually Abusive Material, Child Abuse, Criminal Sexual Conduct, Arson, Counterfeiting, Stalking, Threats, Terrorism and Motor Vehicle Theft. Mr. Isaacs has received hundreds of hours of training in cell phone related training, has participated in hundreds of cell phone investigations, is a qualified expert in cell phone record analysis and data recovery in (3rd Circuit Court) and a Certified Forensic Computer Examiner (CFCE). He is also a member of the Michigan Internet Crimes Against Children (ICAC) Task Force and is currently assigned to the FBI Violent Crimes Against Children Task Force. James Isaacs currently works closely with POLICE TECHNICAL on their national Cell Phone Investigation (CPI) certification courses. He lives in Southern Michigan.