



Basic Historical Cell Site Analysis Course

Presented by the FBI Cellular Analysis Survey Team (CAST)



The CAST Basic Historical Cell Site Analysis Course is designed to be an introduction to basic cellular analysis and geospatial mapping.* The class provides instruction in the basic principles of cellular networks, how call detail records provided by the major cellular providers are created, how to read and understand call detail records, and how to utilize call detail records in law enforcement investigations to illustrate a cellular phone's general location.

At the conclusion of the course, students will be able to:

- Understand the basic principles and concepts of a cellular network and how a cellular device connects with a cell tower
- Interpret and analyze the call detail records obtained from the major cellular providers (AT&T, T-Mobile, US Cellular, and Verizon)
- Utilize mapping software to accurately depict the general location of a cellular device at the time it connected to the cellular network
- Understand the capabilities and limitations of cellular record analysis
- Interpret and analyze tower dump records from all major cellular providers
- Be familiar with the resources available through CAST

10/2/2023 to 10/3/2023

8:30 AM – 4:30 PM

King County Office of Emergency Management

3511 NE 2nd Street

Renton, WA 98056

To successfully complete the course, attendance is required every day.

To register for the course, email tnsagiao@fbi.gov requesting to attend the course.

Prerequisite: Students must bring their own laptop to the class and have the current version of CASTViz and any version of Microsoft Excel installed on the laptop. Go to <https://castviz.com/> to get the current version of CASTViz. Please ensure you can open the program prior to attending the class. An understanding of Microsoft Excel is required for class attendance. A knowledge of Excel spreadsheet functions to include the following is necessary for successful class participation: Freeze, Sort, Find/Replace, Insert, Formulas (Left, Right, Concatenate), and Pivot tables. After registering for the course, the instructors will send the student a short Excel tutorial for these functions that should be completed before the class.

***The Basic Historical Cell Site Analysis Course does not provide the requisite knowledge or experience to qualify students as experts in historical call detail record analysis. The course is designed to provide a foundation for understanding the records.**