



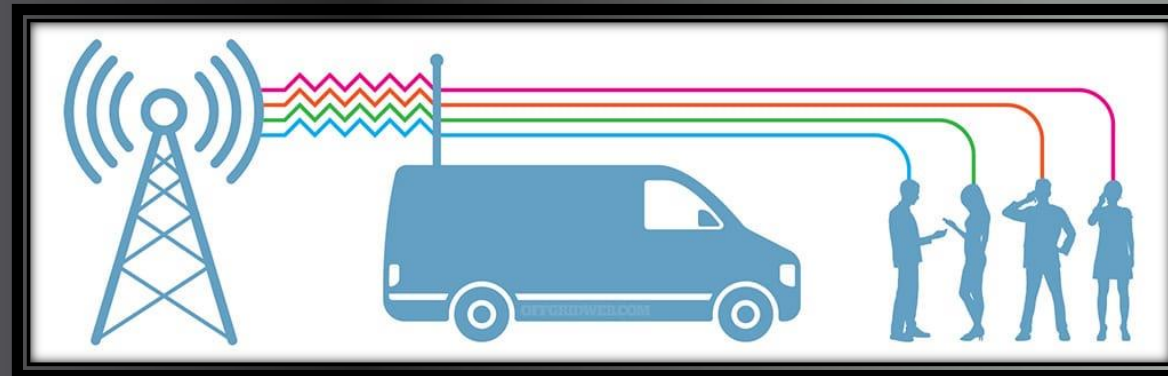
Cell Site Simulator (CSS) Overview and Procedure

Legal Use, Deployment, Limitations,
and Operation Summary



HOW IT WORKS

- A CELL SITE SIMULATOR (CSS) IS A DEVICE THAT ACTS AS A CELL TOWER AND EMULATES A BASE STATION.
- RADIO SIGNALS (RF) FROM A CELL PHONE INTERACTS WITH THE CSS PRIOR TO REACHING THE CELL TOWER.
- A GENERAL LOCATION AREA IS PROVIDED TO THE CSS.





LEGAL AUTHORIZATION AND TARGET IDENTIFICATION

- THE CSS REQUIRES A SEARCH WARRANT TO ESTABLISH PROBABLE CAUSE PRIOR TO DEPLOYMENT
- A SEARCH WARRANT IS PREPARED AND FURNISHED TO THE CELL PHONE PROVIDER
- THE CELL PHONE COMPANY PROVIDES THE TARGET INTERNATIONAL MOBILE SUBSCRIBER IDENTIFIER (IMSI)
- THE IMSI, OR UNIQUE IDENTIFIER, IS THE ONLY IDENTIFIER USED TO LOCATE THE DEVICE DURING AN OPERATION
- THE CSS USES THE IMSI TO INTERACT WITH THE TARGET DEVICE PRIOR TO THE SIGNAL REACHING THE PROVIDER'S CELL PHONE TOWER.



TEAM, ROLES, AND TRAINING

- THE CSS IS REGULATED BY HOMICIDE, MAJOR CRIMES DIVISION
- OPERATORS OF THE CSS ARE TRAINED MEMBERS OF THE MAJOR CRIMES DIVISION, WORKING ALONGSIDE THE CELLULAR UNIT
- THE CSS REQUIRES TWO MEMBERS: ONE (1) DRIVER AND (1) OPERATOR
- ALL OPERATORS FOLLOW LEGAL, PRIVACY, EVIDENCE-HANDLING POLICIES, AND STANDARD OPERATING PROCEDURES



DEPLOYMENT AND AREA SURVEY

- THE CSS ROUTES TO THE LAST LOCATION OF A DEVICE'S LOCATION, KNOWN AS THE DESIGNATED SEARCH AREA
- OPERATORS OF THE CSS CONDUCT A PRELIMINARY SURVEY TO DETERMINE WHAT "CELLULAR BANDS" ARE ACTIVE IN THE AREA
- ONCE BANDS ARE LOCATED, THE CSS IS CONFIGURED TO EMULATE THE IDENTIFIED LOCAL CELLULAR BANDS
- THE CSS BEGINS A SYSTEMATIC GRID SWEEP, TRAVELING DOWN INDIVIDUAL ROADS ONE-BY-ONE, MONITORING CONNECTION ATTEMPTS
- THE SYSTEM IS ONLY SET TO IDENTIFY THE SUPPLIED TARGET (IMSI), PROVIDED BY THE CELL PHONE PROVIDER



HANDHELD DEVICE (DIRECTIONAL LOCATION)

ONCE THE TARGET IMSI IS DETECTED BY THE CSS, A DIRECTIONAL ARROW PROVIDES A GENERAL BEARING. FOR EXAMPLE, THE ARROW MAY INDICATE TOWARD AN APARTMENT BUILDING OR BETWEEN TWO HOUSES IN A RESIDENTIAL AREA. TO CENTRALIZE THE LOCATION AND GAIN A MORE ACCURATE BEARING, A HANDHELD DEVICE, KNOWN AS THE "JUGGY", IS DEPLOYED FOR PRECISE LOCATION (SUCH AS THE NUMBER OF AN APARTMENT IN A BUILDING OR WHICH HOUSE OF A DUPLEX).

PRECISION LOCK-IN IS PERFORMED BY THE HANDHELD OPERATOR AND CONTINUES TO MAINTAIN THE LEGAL PROTOCOL OF THE CSS.



INFORMATION SHARING AND EVIDENCE HANDLING

- THE CSS PROVIDES LOCATION INFORMATION TO THE REQUESTING OPERATIONAL TEAM (I.E. CELLULAR UNIT, FUGITIVE APPREHENSION TEAM, OR SPECIALIZED UNIT/PDU)
- ALL LOGS AND OPERATION RECORDS RECEIVED BY THE CSS IS SECURELY STORED DURING THE OPERATION, THEN DELETED FOLLOWING THE OPERATION
- A SMARTSHEET LOG ENTRY RECORDS EVERY CSS OPERATION, ALONG WITH THE CORRESPONDING SEARCH WARRANT
- A NON-DISCLOSURE AGREEMENT (NDA) IS SIGNED BY ALL CSS MEMBERS PRIOR TO CSS ENTRY AND ENFORCABLE IN COURT PROCEEDINGS, ABSENT A JUDGE'S ORDER



LIMITATIONS – WHAT THE CELL SITE SIMULATOR DOES **NOT** DO

- THE SYSTEM DOES **NOT** INTERCEPT VOICE CALLS, TEXT MESSAGES, OR ANY OTHER CELLULAR COMMUNICATIONS
- THE SYSTEM DOES **NOT** DISPLAY OR RETRIEVE CONTENT - THE CSS IS **NOT** A WIRETAP DEVICE
- THE SYSTEM DOES **NOT** EXTRACT CONTENT STORED ON CELLULAR DEVICES (I.E. PHOTOS, MESSAGES, FILES, APPS, ETC.)
- THE SYSTEM DOES **NOT** ALLOW CSS OPERATORS TO “TAKE OVER” OR REMOTELY MANIPULATE THE TARGET PHONE
- THE SYSTEM DOES **NOT** STORE OR RETAIN IDENTIFYING DATA FROM NON-TARGET PHONES – ONLY THE DEVICE AUTHORIZED BY THE SEARCH WARRANT IS TARGETED



QUESTIONS?

FOR ANY QUESTIONS:

- PLEASE CONTACT HOMICIDE DIVISION, MAJOR CRIMES AT (313) 596-2250 OR EMAIL CDR@DETROITMI.GOV