

Call Records / Cell Site Location Data / Text Messages

- (1) Copies of all the actual files that were returned in response to any warrant or subpoena to the wireless telephone companies in this case; including but not limited to the following evidence:
 - a. Call Detail Records;
 - b. Cell Tower List;
 - c. Cell site location data;
 - d. Text messages; and
 - e. Document explaining what the records mean and how to read them;
- (2) Password for file named "Report.pdf". The Defense is unable to open the file contained in the discovery because it is password protected.
- (3) Subscriber information for the above listed numbers, including financially responsible party, billing address, features and services and equipment.
- (4) All call originations, call terminations, call attempts, voice and text message transactions, including push to talk, data communications, SMS and MMS communications, and voice communications, including the originating and receiving phone numbers or network IDs for all incoming and outgoing call transactions, data transactions and push to talk sessions.
- (5) Records are to include the IMEI, IMSI or other equipment or handset identification information for the target phone number if known.
- (6) All stored SMS content, MMS content and / or Browser Cache if available.
- (7) Beginning and ending switch and cell site / tower identifiers for each call, SMS MMS and data transmission, including the location information and azimuth for the

tower and sector used for the call.

- (8)** A complete table of cell towers / cell site information for all cell towers / cell sites in the LAC, NEID or service area and or for all switches used, active at the time period for the call detail records requested. This shall include:
- a. cell tower location information including latitude and longitude cell tower / cell site designation information / identification numbers information for each cell site sector including azimuth (equipment type used at the cell site, i.e. Lucent or Nortel, etc.).
 - b. NOTE TO ATT MOBILITY: Even though the tower location information is in the call detail records, this subpoena also requests a list of cell tower locations with the latitude, longitude of each tower, the sector azimuth and the beam width, if known, for the time period covered, in comma delimited or Excel format, for every tower referenced in the call detail records responsive to this subpoena.
 - c. a legend and definition for any and all abbreviations used in the reports provided
 - d. An explanation of how to read the call detail records.
 - e. Any precise measurement data such as PCM Data, e-911 location data, REVEAL data, RTT data, NELOS data and or any other data recorded for the time-period that will provide additional location data.
 - f. Specific information regarding the time stamps / time zones of the records.
- (9)** Provide the following information regarding cell tower locations for the following areas containing cell towers actively in service that is related to the investigation

of the phones in this case.

- (10)** Include the below AT&T cell tower information:

 - a. LAC
 - b. CID
 - c. Latitude
 - d. Longitude
 - e. Sector Azimuth
- (11)** Any records or information regarding cell towers that were undergoing maintenance, or were out of service the time period in this request.
- (12)** All responsive data is to be provided in both Adobe PDF format and Microsoft Excel format, .TXT or .CSV format.
- (13)** Please indicate in your response to this subpoena if there is any data loss due to the time difference between the date of the receipt of this subpoena and the time-period requested, and if so, a detailed description of what data is not recoverable versus what data would be recoverable based on the carrier's retention period for call detail records.
- (14)** Copies of the original subpoena and or warrant with the affidavit
- (15)** Subpoena responses and warrant returns from wireless phone companies will contain specific files that are delivered via email, on disk or via a secure web portal. It is very important that you received all the files returned to the requester.
- (16)** There are spreadsheets and documents that provide such information as subscriber information; the call detail records themselves, cell tower location keys, explanation forms and disclaimers. These disclaimers are important, as they

provide pertinent information regarding location accuracy or time-zone information. Each carrier stores their records in various formats and below you will find the specific data you should receive organized by four of the major carriers. Other carriers like US Cellular follow a similar pattern.

- a. Verizon Wireless call detail records also require a cell tower key to determine the location of the towers in the area. Call detail records will often be labeled “Cell sites incoming outgoing” and the tower key will contain a city name and “LEA”. Verizon records may also contain Voice Over LTE records which will contain “VOLTE” in the spreadsheet name. If requested in the proper timeframe, you may receive Real Time Tool records, the spreadsheet name will contain “RTTM”. Verizon also provides subscriber information, explanation information for each of the different spreadsheets as well as disclaimers. Each of the spreadsheets containing location information will be in Microsoft Excel format and explanation forms are typically in Portable Document Format (.pdf).
- b. Sprint also provides call detail records and cell site keys in separate spreadsheets. Again, both are needed to analyze the records. Sprint’s records also come in Microsoft Excel format and are typically labeled with a number. There will be several spreadsheets all containing the various information. They may also provide Per Call Measurement Data (PCMD) if requested in the proper timeframe. Sprint also provides need explanation forms and disclaimers.
- c. [AT&T/Cricket](#) provides their call detail records and text detail, with location

information, in one spreadsheet. This is typically labeled "Reports AU" and comes in two formats, Text format (.txt) and Portable Document Format (.pdf). This is standard for all requests, unless otherwise specified. At&t will provide subscriber information, as well as needed explanation forms and disclaimers. At&t may also provide, if requested, Network Event Location Service (NELOS) data. It is important for your expert to receive the text format (.txt) files for analysis, this format allows for data to be imported into various software platforms for converting time zones and analysis.

- d. T-Mobile / MetroPCS provides call detail records in Microsoft Excel spreadsheets that are typically labeled "CDR Mediations". This spreadsheet will provide the call record as well as the tower location information needed. Subscriber information will be provided and explanation forms will also be provided. Depending on the year the records were provided, they may be kept in different time-zones, for this reason the explanation form is important. No other location information is available from T-Mobile.