Cellular Records Review and Analysis
Part 3: Sprint
PATCtech

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For Starters

• What can we get from Sprint?
Cell phone technology

- What can Verizon provide with appropriate legal process?

- Call detail logs
- Cell Sites accessed
- Cell site sector Azimuth
- Type of tower (Lucent / Nortel / Samsung / Ericsson)
- Direction of call (incoming or outgoing)
- Calling number
- Dialed number
- Call Time and duration
- Location of cell tower
Cell phone technology

• Subscriber information (Name, address, etc)
• SMS Dates and Times
• ESN / MEID, MIN, MDN of target phone.
• Phone Model
• Tower dump
• Definitions page
• Reports of Lost / stolen phone
• If prepaid, where purchased?
• Other phones on the same account
• Cell sites at the time of the incident (Not current)
• PCMD (Per Call Measurement Data - Maybe)
• NEID / Repoll (Type)
Some important definitions

- ESN – Electronic Serial Number
- MEID – Mobile Equipment Identifier
- NEID – Element name (Network Element ID)
- Repoll – Phone Switch
- Azimuth – The median of the sector accessed
Some important definitions

- **M_R** – Mobile Role
- **BTS Manufacturer** – Type of Base Transceiver Station (Lucent / Nortel / Samsung / Motorola / Ericsson)
- **SWAT** – Soft Wireless Access Tandem (These are used in high Sprint traffic areas)
- **TLDN** – Temporary Local Directory Number
Some important tips

• Dates and times are based upon local time zone.
• You will need both the incoming / outgoing calls, and the NEID / Repoll tower locations to do any mapping.
• The records will come in Excel spreadsheets.
• SMS locations are in PCMD only, not in conventional records.
Some important tips

• Tower Dumps are Voice only.
• Sprint does use the terms Lucent / Nortel / Samsung / Ericsson / Motorola when describing the tower sides. For Lucent, you have to subtract one.
Contact information

Sprint Corporation
Contact Name: Tom Koch, Corporate Security
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Online Service Address: 6480 Sprint Pkwy
Overland Park, Kansas  66251
Phone Number: 800-877-7330
Fax Number: 816-600-3111

Note(s): Effective October 1, 2013 Sprint will no longer accept legal demands directed to Nextel Communications. Please direct all future legal demands to Sprint Corporation.

Corporate Security: 888-877-7330

After regular business hours call Sprint Subpoena Compliance Immediate Response Team at 855-560-7690.

Clearwire legal compliance call: 800-877-7330 or Fax: 816-600-3111.

Sprint has controlling interest of Virgin Mobile and is the serving point for subpoenas and court orders.
Warrant language

• Subscriber information for the number ______________ including name, date of birth, mailing address, alternate phone number, and other numbers on the same account.

• All communication for the wireless number ______________ for the time period of ______________ to include cellular calls, tower locations and azimuth for the sectors accessed during the communication for all NEID / Repoll’s accessed. Also indicate if the tower was Lucent, Nortel, Samsung, Motorola or Ericsson and provide a three sector layout. As well as possible maximum ranges. Also, identify the existence of any Sprint cloud services associated with the wireless number of ________________ and provide any data held within the cloud to include SMS, MMS, and emails communications. Additionally PCMD (Per Call Measurement Data) for the cellular phone number of ______________ for the time period of ______________ to include reliability factors for the communication. Also provide any IP (Internet Protocol Addresses) assigned to the device for the time period of ______________. Lastly, provide a detailed definitions page which identifies all information in the records.

• Please provide this information to Detective ______________ in digital format on a compact disc in Excel, PDF or TXT format.
Retention periods

Subscriber information: Unlimited
Call History: 18 months
Tower Locations: 18 months
SMS Content: NA
Tower Dumps: 90 days
RTT: 14 days – temporarily suspended
Two Notes

- TracFone sells phones that use the Sprint network, so the records must come from Sprint.
- Boost records are also helped by Sprint.
• Now let’s see some examples of what you can get:
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