



Law Enforcement Guide

Jan 2023

COPYRIGHT NOTICE

This document contains proprietary information of T-Mobile US, Inc. or its affiliates and is protected by copyright law. Any reproduction, use appropriation or disclosure of this information, in whole or in part, without the specific prior written authorization of the owner is strictly prohibited.

T-Mobile reserves the right to change the content based on business requirements and law or industry changes. The information in this Guide may also be protected from disclosure by 5 U.S.C. 522, et seq (“the FOIA Act”) and 5 U.S.C. 552a, et seq. (“the Privacy Act”) as “law enforcement sensitive” information.

TABLE OF CONTENTS

OVERVIEW	4
CONTACT INFORMATION.....	5
SECURITY OFFICE LOCATIONS	5
COMMONLY USED TERMS	6
HISTORICAL CUSTOMER RECORDS.....	9
REAL TIME SURVEILLANCE	11
EXIGENT AND PSAP/911 REQUESTS	12
RECORDS CUSTODIAN TESTIMONY	13
APPENDIX.....	14
Interpreting Subscriber Information.....	15
Interpreting Call Detail Records.....	17
Key to Understanding CDMA Call Detail Reports.....	20
Sprint Call Type Definitions	22
Star Codes	23
Sector Layout.....	24
Receiving Records In Electronic Format	25
Interpreting Data Session Records	26
Interpreting Timing Advance Records	28
UTC Information Sheet.....	30
Interpreting Call Detail Records CDMA Legacy Sprint - Exigent Only	31
Sprint Wholesale Partners	32
T-Mobile Wholesale Partners	36
Legacy Sprint NEID List by NEID.....	38

OVERVIEW

T-Mobile US Inc. (T-Mobile) takes very seriously the privacy of its customers' information and its obligation to protect it from unlawful release. T-Mobile also understands the importance of providing professional, accurate, and efficient assistance to the government when legally required to do so. T-Mobile maintains a dedicated legal and emergency response team (referred to as "LER"), which is available 24/7/365 to handle requests from federal, state, and local governmental entities.

T-Mobile LER handles legal compliance and emergency response for all T-Mobile brands, including T-Mobile, Metro by T-Mobile, and legacy Sprint.

LER has four teams that are tasked with distinct types of requests. Case Management (CM) handles requests for historical customer information. Real Time Operations (RTO) handles requests for real-time information such as wiretaps, pen registers, and precision location of customer devices. The Emergency Response Center (ERC) provides PSAP support and responds to exigent requests for customer information. The LER Trial Team schedules records custodians if needed to testify, certify and/or explain records T-Mobile produced in response to a legal demand.

T-Mobile LER offices are in the following locations, Parsippany, NJ, Allentown, PA, Frisco, TX, and Overland Park, KS.

CONTACT INFORMATION

24-hour assistance line:	973-292-8911
Demand Submissions:	LERINBOUND@T-Mobile.com 973-292-8697 (fax)
Lawful Intercept Team:	973-292-8911 option 3 LERCOURTORDERS@T-Mobile.com 813-801-8825 (fax)
Appearance Coordination:	LERTRIALTEAM@T-Mobile.com 813-801-8824 (fax)
General Questions and Status Updates:	LER2@T-Mobile.com
Law Enforcement Portal:	LRSSupport@T-Mobile.com • Access to all T-Mobile cell sites (including legacy Sprint towers) • Frequently Asked Questions page for quick answers • Useful forms

SECURITY OFFICE LOCATIONS

Main Security Office (Use for service of process by mail or in person) 4 Sylvan Way Parsippany NJ 07054	Branch Security Office 1605 N. Cedar Crest Blvd. Suite 200 Allentown PA 18104
Branch Security Office 3560 Dallas Parkway Frisco, TX 75034	Branch Security Office 6360 Sprint Parkway Overland Park KS 66251

COMMONLY USED TERMS

Area Dump	A report of all mobile devices in a specifically defined area at a specific time. This is based upon the network's estimation of the device location and may include devices who are not actually in the radius of the search and may exclude some devices which are due to the variability of accuracy for such queries.
Bill Reprints	Copies of bills available to our postpaid customers that contain less detailed information regarding communications made to or from the customer during the billing period. Bill reprints may not contain details regarding text messages. CSLI is not included on bill reprints.
Billing Account Number (BAN)	A sequence of numbers that uniquely identifies all subscribers on the same account.
Call Detail Records (CDR)	Records of outgoing network transactions made, and incoming network transactions received by a specific target telephone number. This includes voice calls and other network transactions like text messages and data usage. It does not include non-user involved transactions such as tower registrations. As defined by federal statute 18 U.S.C. § 2703, this includes: "local and long-distance telephone connection records, or records of session times and durations".
Cell Identifier (CID)	This number identifies a tower and identifier. Combining this number with LAC yields a unique Cell Site involved in a network transaction.
Cell Site	Either, 1. A tower which has antennae that receives RF signals for the completion of mobile calls or data session. Normally identified by a combination of LAC and CID. 2. Refers to a more extensive form of CDR. See Cell Site Location Information.
Cell Site Location Information (CSLI)	Information included on call detail records that list the cell towers and switches used to complete calls or other network transactions.
GEO Fence	The ability to define a geographic area and the devices which may have been inside at a specific time. See Area Dump.
GPS Ping	Also known as a "ping" or "real-time geo-location" or "precision location". A method of identifying the location of a device using trilateration from network elements and the Global Positioning System of satellites.
International Mobile Equipment Identifier (IMEI)	A factory-determined serial number that identifies the equipment used on a network.
International Mobile Subscriber Identifier (IMSI)	A number used by mobile carriers to uniquely identify users on the network.

IP address (IPv4 and IPv6)	Internet Protocol Address used to identify a device or location on a network (like the Internet). It is formatted with a series of numbers separated by periods. IPv4 addresses consist of four decimal numbers, each ranging from 0 to 255. An example of an IPv4 address is 10.1.168.1. IPv6 addresses consist of eight groups of four hexadecimal digits. An example of an IPv6 address is 2001
Location Area Code (LAC)	This number identifies the switch involved in a transaction like an area code.
Long-Term Evolution (LTE)	A 4G standard for high-speed wireless communication.
Media Message Service (MMS)	Protocol used for picture mail and video mail.
Mobile Subscriber Integrated Services Digital Network Number (MSISDN)	The phone number. Also known as MDN, PTN or MIN.
Mobile Switching Center (MSC)	Also simply called a “switch.” A hub for a group of cell sites (normally grouped geographically) which handle the routing of calls. Normally designated by a LAC (Location Area Code).
Payment Information	A record of amounts, methods and means of payment to a T-MOBILE account. This includes banking information such as partial credit card or checking account number, name, address and/or other criteria to locate payments.
Pen Register/Trap & Trace (PRTT)	Also known simply as a “pen,” A surveillance tool used to capture the incoming and outgoing details of network transactions. Pen registers do not capture the content of communications. They are authorized by court order or warrant (see 18 USC §§3121 – 3127).
Postpaid Account	Customer receives bill and pays for services for the previous billing period. T-Mobile and Sprint customers are postpaid customers
Prepaid Account	Customer pays upfront for services for the next billing period. Metro by T-Mobile customers are prepaid customers.
Preservation Request	A demand issued by an officer of the court (judge, clerk, attorney licensed to practice in that jurisdiction) or law enforcement agent which requires any information currently held be saved for up to 90 days. The information may not be released until the appropriate level of legal demand is served upon the recipient. Failure to save the requested information may lead to fines and contempt charges against the recipient. See 18 USC §2704.
Rich Communications Services (RCS)	A 4G communications protocol aimed at replacing SMS and MMS with allowance for more robust multimedia services like persistent social presence and real-time video chat.
Short Message Service (SMS)	A protocol used for text messages via the voice network
Subscriber Identity Module (SIM)	A small chip-like device inside a mobile device that contains account information.

Subscriber information	Name, address, length and type of service, telephone number, device identification, and means and source of payment.
Timing Advance Records	Also known as Time Difference of Arrival (TDOA) TDOA calculates the position of a mobile device by determining the distance between it and one or more locations on the network.
Tower Dump	A report listing all mobile devices which accessed a specific cell tower at a specific time to complete a network transaction (either voice network or data network).
Wiretap.	Also known simply as a "wire." A surveillance tool used to capture the content of network transactions. Wiretaps include the information found via a pen register. They are authorized by court order or warrant (see 18 USC §§2510 - 2523).
xG (as in 2G, 3G, 4G or 5G)	These are different generations of mobile technology beginning with 1G in the late 1970's and early 1980's up to 5G which is expected to deploy in 2019 and 2020. Each generation enables faster transmission of information and expansion of the capabilities. 1G did not allow data transmission at all while 5G contemplates speeds of 1Gbps or higher.

HISTORICAL CUSTOMER RECORDS

LER's Case Management Team responds to legal requests for historical, also known as stored, customer information and records. The most common types of information requested are subscriber information, call detail records and location information. The Case Management team also handles preservation requests.

Retention periods are based on the needs of the business and may change without notice.

T-MOBILE does not retain the content of its customers' communications except in extremely rare circumstances.

Detailed information regarding the types of historical records retained, for how long, and the type of legal demand required to obtain the information can be found in the table below.

Type of Record	Retention Period	Legal Demand Required
Subscriber Information	Sprint – 10 years T-Mobile – indefinite Metro PCS – 6 months after account termination	Subpoena or Exigent Request
Call Detail Records (With or without Cell Site Location Information “CSLI”)	Sprint – 18 months (CDR may be retained for a longer period in archive in limited circumstances. Reimbursement fees may apply to burdensome archived record requests) T-Mobile – 24 months	Without CSLI, subpoena. With CSLI, Probable Cause order, or Search Warrant. Both can be released on an exigent request.
Data sessions (With or without CSLI)	Sprint - 90 days T-Mobile – 2 years	Same as Call Detail Records
Payment Information	Sprint – 10 years T-Mobile – 2 years For full payment information. Limited payment information may be available beyond the most recent 2 years.	Subpoena
Tower Dump	Sprint – 18 months T-Mobile – 24 months	Probable Cause Order or Search warrant
Text messages	Sprint – no retention T-Mobile – 7 days (Only retained if customer was utilizing T-Mobile's DIGITS service)	Probable Cause Order or Search Warrant
Voicemail	Retention varies depending on user's voicemail settings on device	Probable Cause or Search Warrant
Bill Reprints	Sprint – 10 years T-Mobile – 7 years	Subpoena
TDOA (Timing Advance)	Sprint and T-Mobile – 90 days	Probable Cause Order or Search Warrant
Store Video	Varies by store	subpoena

Submitting a Request for Historical Customer Records

- The target phone number or BAN is the most accurate identifier to use to search for records. Use those identifiers in the legal demand, if known.
- Legal demands for historical records should be submitted to LERinbound@T-Mobile.com
- Sprint's legacy law enforcement portal (L-Site) is currently active, but only for very limited services. To avoid delay and confusion, please transmit all legal demands for historical records to LERinbound@T-Mobile.com
- If T-Mobile has records responsive to the legal demand, T-Mobile will deliver them according to the instructions in the legal demand.

Additional Information Related to Historical Records Requests

- Tip sheets will be included in the records that will help with reading them. Please consult the tip sheets before contacting T-Mobile with questions about the records. Tip Sheets are also included at the end of this guide.
- If T-Mobile sends an objection to a legal demand, please read it in full as it will contain specific reasons of the objection.
- T-Mobile partners with select wholesale providers, also known as Mobile Virtual Network Operators or MVNOs, who resell cellular services to their customers. T-Mobile does not have subscriber information for these wholesale/MVNO accounts but will provide records identifying the wholesaler. To obtain subscriber information on wholesale/MVNO accounts please contact the company identified in the "BRAND" field of the subscriber report. A contact list is contained at the end of this guide. The list is not meant to be a complete list and can be updated at any time.
- While T-Mobile does retain a list of active cell sites, which it can provide upon request, the most efficient way for you to receive a list of cell sites is to contact the National Domestic Communications Assistance Center ("NDCAC"), which we provide with current cell tower lists. NDCAC may retain lists showing older cell sites. NDCAC may be contacted at AskNDCAC@fbi.gov.

Preservation Requests

- LER complies with requests to preserve records under 18 USC 2703(f). Preservation requests must describe the records sought to be preserved and a corresponding date range. If, at the end of 90 days, we have not received a legal demand for the preserved records, or an extension of the preservation, the preserved records may be purged.

REAL TIME SURVEILLANCE



LER's Real Time Operations (RTO) team is responsible for implementing orders for real-time electronic surveillance and precision location tracking. This includes orders/warrants for wiretaps, pen registers/trap and traces, and precision location information.

T-Mobile receives hundreds of legal demands for real time surveillance and precision location tracking every week. All orders are reviewed under the requirements of in 18 USC § 3123; 18 USC § 2518; FRCMP Rule 41, as well as equivalent state statutes.

T-Mobile does not retain historical content of wiretaps or pen registers. T-Mobile may have records related to real-time precision location pings, though retention of those records varies depending on the network and how the precision location was delivered. As with other historical location records, historical precision location records require a probable cause order or search warrant.

T-Mobile is legally permitted to seek reimbursement for the costs implementing court ordered surveillance. For current reimbursement rates please contact RTO.

If you have questions regarding a submitted order, current surveillance, or believe your surveillance has encountered technical difficulties, please contact T-Mobile at LERcourtorders@T-Mobile.com. This mailbox is the most efficient way to contact RTO.

Submitting a Search Warrant or Court Order for Real Time Surveillance

- Submit all surveillance search warrants/court orders via LERcourtorders@T-Mobile.com
- A CALEA coversheet is required for all submitted warrants and orders. If the warrant or order contains multiple targets, please submit a CALEA coversheet, and copy of the warrant/order for each target in separate emails.
- If additional records are being requested, such as historical records, please clearly state that on the CALEA coversheet when submitting a request
- Please verify the CALEA coversheet has the correct implementation and billing information.
- Do not send T-Mobile the application or affidavit filed with the warrant/order.
- Accurately describe the type of communication to be intercepted.
 - Wire Communications – voice only
 - Electronic Communications – data, including SMS and MMS messages
 - Wire and Electronic Communications – voice, SMS and MMS messages, and data.
- If the surveillance warrant/order also contains requests for historical records, only submit the warrant/order to LERcourtorders@T-Mobile.com. RTO will process the entirety of the warrant/order.

Additional Information Related to Real Time Surveillance Requests

- T-Mobile will not transmit records to a non-governmental email address unless the address is expressly included in the body of the warrant/order
- T-Mobile is unable to improve the accuracy of precision location pings
- All timestamps of GPS pings are in Pacific time.

EXIGENT AND PSAP/911 REQUESTS

T-Mobile's Emergency Response Center (ERC) provides 24/7/365 support to law enforcement agencies and PSAPs seeking records in connection with subscriber calls to 911 or exigent circumstances.

Request based on Exigent Circumstances

T-Mobile is guided by federal statutory law when presented with an exigent request for subscriber data. These authorities require the government entity to establish Law that an emergency involving danger of death or serious physical injury to any person requires disclosure without delay of records or other information relating to the emergency. (See: 18 USC 2702(b)(8) (stored records); 18 USC 3125 (pen registers); 18 USC 2518 (wiretaps)).

T-Mobile requires the government agency to complete an Exigent Circumstances Form before T-Mobile will release records or implement surveillance. ERC will provide the Exigent Circumstances Form to verified government representatives.

The Exigent Circumstances Form must be completed in its entirety. To avoid delay, please be as specific as possible when describing the emergency.

Submitting an Exigent Request

- Send the Exigent Circumstances Form to LER3@T-Mobile.com. Following transmission of the form, please call the ERC team for immediate assistance at 973-292-8911, option 2.

Additional Information Related to Exigent Requests

- If after submitting the original form, additional individuals are to receive the records or surveillance, please submit an amended Exigent Circumstances Form with the additional names and email addresses.
- Subscriber information for an IPv6 address is unable to provide in real time.

PSAP Requests

T-Mobile's ERC team handles requests for customer records or other information from Public Safety Answering Points (PSAPs). A PSAP request differs from an exigent request in that the PSAP inquiry is based on a call to 911. The information released to a PSAP is limited to the name, address, alternate contact number, and current location information of a customer.

A PSAP request must originate from a third party calling 911, not from law enforcement calling the PSAP to request information from T-Mobile. T-Mobile is only authorized to release information directly to the PSAP and is prohibited from sharing information provided to the PSAP with a third party. T-Mobile will not release information to PSAP if there is a third party also on the line.

T-Mobile will verify each PSAP through a call back process before any information is released.



RECORDS CUSTODIAN TESTIMONY

The LER Trial Team strives to serve our customers, the courts, and their officers, with highly trained and knowledgeable records custodians specializing in records interpretation and court testimony. The Trial Team can also certify and answer questions regarding T-Mobile the records produced by LER in response to legal demands. Requestors seeking in-person testimony must provide all travel and hotel reservations for the witness and reimburse for all airport transfer, car rental, mileage, parking, and meal expenses.

T-Mobile records custodians are only able to testify regarding records produced by T-Mobile and cannot interpret other carriers' records or records created by the parties. Records custodians have a limited understanding of engineering related to our network to interpret T-Mobile records, but they are not engineering experts and cannot testify as such.

Due to the numerous requests from agencies across the country, please submit subpoenas for testimony with plenty of notice to ensure that a witness will be available for the proceeding.

Submitting Requests for Testimony of a Records Custodian

- Submit subpoenas for a records custodian appearance to LERTrialTeam@T-Mobile.com
- Please utilize a subpoena that requires witness testimony only and does not request records. This will ensure the subpoena is sent to our trial team with minimal delay.
- After requesting a records custodian, T-Mobile will begin scheduling the appearance. Should the date of appearance change, or a records custodian is no longer needed, please contact T-Mobile so that no unnecessary expenses are incurred.
- It is recommended that the requestor schedule a meeting with the custodian to prepare for the appearance.



APPENDIX

Interpreting Subscriber Information

Your response includes subscriber information. Our query results in an Excel file with multiple rows. Not all rows appear on every report depending on the type of subscriber, their dates of service and the nature of your request.

The rows present may be:

Subscriber Details:		
	Subscriber Name	Name associated with billing for this phone number
	Subscriber Address	Address associated with this phone number
	Subscriber Status	Status of the account
	Subscriber Name Effective Date	Date this name became associated with this phone number
Account Details:		
	Activation Date	Account Activation Date
	Termination Date	Cancellation/Termination Date if it has been terminated
	Account Name	Primary Accountholder's Name
	Account No	Billing Account Number (BAN)
	Account Effective Date	Current Account Status Effective Date
	Account Expiration Date	Account Expiration Date if it has been terminated
Device Details:		
	Phone Model	Phone Model
	ICCID	Integrated Circuit Card Identifier for the SIM card
	IMSI	International Mobile Subscriber Identity
	MDN Effective Date	Phone number begin date
	MDN Expiration Date	Phone number end date
	MSISDN No	Target number
	MSISDN Status	Current status of this telephone number
	MSISDN Market	Home market of this telephone number
	MSISDN Name	Name associated with this telephone number
	SIM	Subscriber Identity Module number associated with this phone number
	IMEI	International Mobile Equipment Identity
	Begin Service Date	N/A
	Device Network Type	GSM or CDMA (only displays for legacy MetroPCS customers)
Billing Details:		
	Bill Name	Name associated with billing for this phone number
	Bill Birth Date	Subscriber birth date
	Bill SSN	Subscriber Social Security Number
	Bill Cycle	Bill cycle for postpaid subscribers
	Bill Address	Subscriber address
	Company Name	Business Name
	Rate Plan	Subscriber Plan

	Rate Plan Desc	Description of major features under the plan
	Contact 1	Primary contact phone number
	Contact 2	Secondary contact phone number
	Coupon	Prepaid Coupon Serial Number
Porting Details:		
	Ported Carrier	Company to which the number has been ported, if known

MVNO/Wholesale Accounts

T-Mobile US Inc partners with select wholesale providers. T-Mobile does not possess subscriber information for MVNO accounts.

If your subscriber report contains any of the following names in the field "BRAND," that account is associated with a wholesale provider. For subscriber information on wholesale accounts, please direct your request to the wholesale company indicated in the field "BRAND."

Contact information for wholesale partners is available later in this document.

Interpreting Call Detail Records

T-Mobile produces Call Detail Records (CDR), either with or without location information, in an Excel file containing multiple rows. The file includes both voice and message transactions. Each row represents one transaction on the T-Mobile network. Not all rows appear on every report. Some fields only appear in reports with location information.

Calls to 911 and calls made while roaming do not appear on this report.

T-Mobile generally retains details of all network originated voice transactions for 24 months. As of February 2020, T-Mobile retains the metadata for certain types of 4G/LTE based text messages (SMSc and RCS) for only 22 months. If your records contain detail older than 22 months from the date of production, these messages may not appear on the report.

- **Calls to Voicemail** - Entries with outgoing calls to 8056377249 indicate incoming calls that are forwarded (out) to the voicemail system. Calls forwarded to voicemail can also be identified using the Service Code column. The associated incoming call may or may not be captured. Entries with outgoing calls to 8056377243 = 805-MESSAGE indicate voicemail retrieval.
- **Timestamp** - Please remember that T-Mobile systems natively use Coordinated Universal Time (UTC). Accordingly, the timestamps on these transactions appear as 00:00:01 to 23:59:59 UTC. T-Mobile is unable to convert these records to a different time zone. If you require records that are not captured in this response, please submit a new legal request that includes a description of records with the date/time adjusted for UTC.
- **Archived Records** - If your legal request sought records older than 24 months, responsive records may include archived bill images. Archived bill images reflect transactions in market time unless otherwise indicated on the statement. Market time on archived bill statements is difficult to determine in the absence of information that details the location of the handset at the time of each recorded transaction. T-Mobile retains location information for all transactions for up to two years.

Set forth below is a description of columns that may be present on the report you received.

Column name	Description	Location Rpt?	Notes
Date	Date format mm/dd/yyyy	No	
(UTC) Time	24-hour time format - hh:mm:ss in UTC	No	In UTC time
Duration	Duration in seconds	No	
Call Type	Type of call: callForwarding = Forwarded Call; mSOriginating = Outgoing Voice Call; mSTerminating = Incoming Voice; mSOriginatingSMSinMSC = Outgoing SMS; mSTerminatingSMSinMSC = Incoming SMS; moc=Mobile Originating Call; mtc= Mobile Terminating Call; SMSc = textmessage; RCS-IMChat = rich contentmessage, multimedia and text	No	Cell Site location is not available for Call Types SMSc and RCS-IMChat For SMSc messaging, T-Mobile provides record of any activity between the requested target number and any other customers utilizing the T-Mobile network for the time and date range requested regardless if the target number currently is/was assigned to T-Mobile or a T-Mobile wholesale partner.
Direction	Outgoing or Incoming to the target telephone number	No	

Column name	Description	Location Rpt?	Notes
Calling Number	Phone number that initiated the call	No	
Dialed Number	Dialed digits	No	
Called Number	Phone number that received the call	No	
Destination Number	The final destination number to which the network has connected the call (might be different from the one dialed by subscriber if network translation was applied)	No	
IMSI	International Mobile Subscriber Identity of the target number if present	No	
IMEI	International Mobile Equipment Identity of the target number if present	No	
Completion Code	Completed successfully or Abnormal Completion (network interruption). Abnormal completion calls display on this report but may or may not show on a customer's bill.	No	
Service Code	11 Calling line identification presentation 12 Calling line identification restriction 13 Connected Line ID Presentation All Call Forwarding Services Call Forwarding Unconditional (CFU) 28 All Cond Call Forwarding Services 29 Call Forwarding on Mobile Subscriber Busy (CFB) 2A Call Forwarding on No Reply (CFNRy) 2B Call Forwarding on Not Reachable (CFNRc) 31 Explicit Call Transfer (ECT) 42 Call Hold 41 Call waiting 51 Multi-Party (MPTY)	No	
Switch Name	Name of the switch which was used to deliver the call to the target number.	No	This is NOT an indication of the location of the device.
1st LTE Site ID	EnodeB id value in decimal	Yes	Only present if the call was over LTE
1st LTE Sector ID	ID of the first sector used if the site is an LTE site	Yes	Only present if the call was over LTE
1st LAC	1st LAC value in decimal	Yes	Not present if the call was over LTE
1st Cell ID	1st Cell Site ID value in decimal	Yes	Not present if the call was over LTE
1st Tower Azimuth	Location: Azimuth orientation of antenna serving user if available (see note below)	Yes	
1st Tower LAT	Latitude of 1st cell tower used.	Yes	
1st Tower LONG	Longitude of 1st cell tower used.	Yes	
1st Tower Address	Street Address of the 1st serving tower if available	Yes	
1st Tower City	City of the 1st serving tower if available	Yes	
1st Tower State	State of the 1st serving tower if available	Yes	
1st Tower Zip	ZIP of the 1st serving tower if available	Yes	
Last LTE Site ID	EnodeB id value in decimal	Yes	Only present if the call was over LTE
Last LTE Sector ID	ID of the last sector used if the site is an LTE site	Yes	Only present if the call was over LTE
Last LAC ID	Last LAC value in decimal	Yes	Not present if the call was over LTE
Last Cell ID	Last Cell Site ID value in decimal	Yes	Not present if the call was over LTE

Column name	Description	Location Rpt?	Notes
Last Tower Azimuth	Azimuth orientation of antenna serving user if available (see note below)	Yes	
Last Tower LAT	Latitude of last cell tower used.	Yes	
Last Tower LONG	Longitude of last cell tower used.	Yes	
Last Tower Address	Street Address of the last serving tower if available	Yes	
Last Tower City	City of the last serving tower if available	Yes	
Last Tower State	State of the last serving tower if available	Yes	
Last Tower Zip	ZIP of the last serving tower if available	Yes	

A NOTE ON AZIMUTH: The azimuth listed is the center compass degree facing of the identified sector of the tower. Generally, the coverage of a tower is circular and divided in three equal pieces (each 120 degrees wide). Due north is 0, due south is 180. However, not every tower is aligned with the first sector starting at 0. Using the listed azimuth, rough direction from the tower can be calculated for a call. The center degree of the sector's facing is indicated in this field. For example, if a facing has a listed orientation of 90, the center of the coverage is pointed at 90 degrees, but the sector will cover traffic from roughly 60 degrees on either side (thus 30 to 150 degrees in this example).

- For more information on UTC, please visit: <http://www.timeanddate.com/time/aboututc.html>. To convert records to your local time, you will need to use a converter such as http://www.worldtimeserver.com/convert_time_in.UTC.aspx.

Key to Understanding CDMA Call Detail Reports

Calling Number	This column reflects the number placing the call (the individual who initiated the call). If the call is an outgoing call, this will be the Sprint PCS target number.
Called Number	This column reflects the number actually called. In most cases this number will be the same as the number in the "Dialed Digits" column. If the number has been forwarded, or if there is a routing number, then this will be reflected. If the number has a 11 in front of the area code, that means the call rolled to voicemail and was NOT answered by the customer
Dialed Digits	This column reflects the digits that the caller enters into the keypad of the phone. If the call is an incoming call, this will be the Sprint PCS target number
Mobile Role	Mobile Role (Type of Call). Listed as outgoing, incoming, routed call or undetermined
Start Date	Date and time the call was initiated
End Date	Date and time the call was ended
Duration	Duration of call, in seconds
Call Type	Indicates the type of transaction on the network. This includes, but not limited to: Voice, Text Detail, WiFi, VoVoice, and Airave
NEID	This reflects which network element handled the call
First Cell	Appears only on reports including location. Specific cell site in which the call was initiated. The first digit reflects the sector. The last 3-4 digits represent the Cell#. (See attached "Three Sector Layout" page for sector orientation.) For example, if the number in the column reads 2083, the cell site is 083 and the sector is 2
Last Cell:	Appears only on reports including location. Specific cell site in which the call was ended. The first digit reflects the sector. The last 3-4 digits represent the Cell#. (See attached "Three Sector Layout" page for sector orientation.) For example, if the number in the column reads 2083, the cell site is 083 and the sector is 2

Sprint customers can be cross provisioned on the T-Mobile network. This means the Sprint customer is using the T-Mobile network. Cross provisioned usage is indicated by call types 50-59. Your response also includes records from the T-Mobile network. Please refer to the T-Mobile call detail report for cross provisioned usage (indicated by call types 50-59). All cross provisioned usage is fully reflected on the T-Mobile records.

Routed calls come in several varieties. A TLDN (Temporary Local Directory Number) may be considered to be a bridge/router number to complete a call. A TLDN will be represented by a number that may range from 3 to 10 digits in length. Similar to TLDN, an IMRN (IP Multimedia Routing Number), will be used to route Apple Wifi Calls. Another scenario is when a call is not answered but is routed to voicemail. Calls routed straight to voicemail may have an "11" before the number indicated in the "Called Nbr" column. For handsets using visual voicemail, these numbers may replace the "11" in the called number column: (800) 877-2400, (866) 677-8204, (866) 222-2604, and (877) 836-4746 The indicator that Sprint's Visual Voicemail platform was used within the session appears as 624500000XXXXXX

On the CDMA network, Sprint maintains Gateway, SWATs (Soft Wireless Access Tandem) and MCGs (Media Gateway Controllers) networks in areas where there are large Sprint customer populations. These provide the required extra space that helps Sprint maintain all of the calls. When a call moves through a gateway or SWAT cell site information is not retained and is not recoverable. NEIDs for Gateways 124-125, SWATs are 96, 184-190, 263, 363-365 and MGCs are 366-371

Please be advised: The time stamp reflected on call detail reports for Sprint CDMA during the time frame of 02/04/2018 through 02/28/2018 may have been affected by a storage related upgrade. During this period, transactions may be reflected in GMT instead of the time stamp native to the switch utilized in the transaction. This includes, but is not limited to, Voice calls and SMS transactions.

Short codes are significantly shorter than full telephone numbers. Short codes are often associated with automated notification services. A list of short codes is not maintained by Sprint. Example of a short code- the customer may want updates pertaining to their favorite sports team.

Should you suspect any information is absent from the reports released, please contact Sprint Legal Compliance immediately

Please Note - Calls made on other carrier's networks, will not appear on our CDR records. If you suspect the device was roaming on another network, please obtain those records from the other carrier.

WiFi Call Type: Please note that Sprint does not have the capability to determine the time stamp. These calls can be reflected in Switch time or GMT.

Sprint Call Type Definitions

Type	Meaning	Time Zone
Voice	Historical platform for CDMA voice calls	Switch Time
Text Detail	Historical platform for text messages	Central
WiFi	Historical voice or text over WiFi	GMT or Switch Time
Airave	Device intended to enhance voice call connection in low coverage areas	Undetermined*
VoVoice	New data-supported calls. Inclusive of LTE, WiFi, or CDMA	Central
VoLTE	New data-supported calls over the LTE network	Central
VoWiFi	New data-supported calls over a WiFi network	Central
VoCDMA	New data-supported calls using the historical data network	Central
50-59	Indicates usage occurred on the T-Mobile GSM network. Refer to T-Mobile call detail records for complete details of this usage.	Varies

*Airave time zone is dependent on one of many different factors not available in the reports. Cell site location information is unavailable for WiFi calls.

Time Zones: Beginning 10/20/17 SMS text message time stamps are in Central. From 05/31/2017 through 10/19/2017, text message time stamps may have been GMT. An indicator of GMT time zones includes the NEID range of 540-559.

The CDMA call detail report may indicate the sending and receipt of text messages and e-mail. While not flagged as text messages, the line will indicate no duration, the dialed digits column will either be blank or will show an e-mail address, and the NEID column may contain one of the following numbers: 191-198, 226-229, 291-294, 540-559

Voice-over calls are routed through a specific network element where timestamps are in central time. These transactions will not have location information and may appear on the records as call type VoVoice. These calls may have a second call listed on the report which provides additional information.

NEIDs with ranges from 485-499 and 610-619 are Session Border Controllers (SBC). Cell site information will not be available for traffic passing through these network elements.

Star Codes

Your request has been fulfilled, at least in part, by what is known as a CDMA CDR Report. A CDMA CDR Report lists information about incoming/outgoing calls including the digits dialed on the handset. As a dialing shortcut, Sprint subscribers may use star codes (an asterisk (*) plus a short number sequence) when using our wireless telephones. On call detail reports the star may be indicated by a letter "B". This code will appear in the dialed digits column of the CDMA CDR Report. Following is a list of the most common star codes. Additional star codes may exist in the market from which the call is made. Please contact LER at the number listed above for more information concerning star codes.

- *18 - Ping the nearest tower, call delivery activate
- *180 - Call delivery deactivate
- *2 - Customer Care
- *3 - Payment Center
- *31 - Three Way Calling
- *4 - Account information
- *5 - Spanish Customer care
- *67 - Caller ID block
- *68 - Override caller ID block
- *70 - Cancel call waiting for that call
- *711 - Customer Care
- *72 - Activates call forwarding
- *720 - Deactivates call forwarding
- *73 - Call forwarding no answer
- *74 - Call forward busy
- *811 - Customer Care
- *82 - Override caller ID block- for that call
- *911 - 911
- *073 - Cancel call forward no answer
- *074 - Cancel call forward busy

Other numbers which may appear in the dialed digits column:

- 411 - Directory assistance
- 611 - Customer Care
- 711 - Telecommunications Relay Service (hearing impaired)
- 911 - Can also dial 0911 or 1911)
- c777 - Web Browsing (SINS)

Sector Layout

Sprint (CDMA) cell sites can be set-up in a variety of ways, antennas may be placed on different structures such as buildings, towers, water tanks, etc. Also, not every cell site has three sectors. Some may have two sectors or may be omni sites (Omni sites do not have sectors). The direction that the sector faces is determined by the need for coverage in a particular area.

The Sprint (CDMA) network contains towers that have one of two labeling schemas to indicate the direction that the azimuths face.

- 1) Ericsson, Samsung, Nortel and VoCDMA towers use the number 1 to indicate an alpha sector, number 2 to indicate the beta sector, and number 3 to indicate the gamma sector of a standard three sector mono pole configuration.
- 2) ALU (Lucent) towers use the number 2 to indicate an alpha sector, number 3 to indicate the beta sector, and number 4 to indicate the gamma sector of a standard three sector mono pole configuration.

Sprint CDMA Sector Orientation

Ericsson, et al.		Lucent
1	Alpha	2
2	Beta	3
3	Gamma	4

Receiving Records In Electronic Format

Your request has been satisfied, at least in part, by records furnished on compact disc (CD) or via e-mail. Sprint uses CDs when the response is particularly voluminous or if records are requested in electronic format. Once “recorded” the CD cannot be deleted, re-recorded, or appended. Information on CD is normally in one of three formats:

SPREADSHEET FILES (XLS or CSV)

These files are normally used for longer items such as the call detail reports, or a listing of all cell sites associated with a particular switch/repoll. We use Microsoft Excel to generate these files and recommend that product for viewing them. To retrieve these documents, open your spreadsheet program of choice then use the open file command (normally listed under File in the Window Menu bar). Navigate to the drive containing the CD and double click on the file name. These files may be uploaded to products such as PenLink in either CSV or XLS format. Please see your program documentation for assistance. While you may not manipulate the file and re-save directly on the CD, it may be manipulated and re-saved elsewhere

You may also receive files in a bundled, WinZip format (ZIP). These files contain other files (of the three types listed above). Zipped files are used to save space on particularly large requests. To open a ZIP file, open the My Computer folder on your desktop or Open the Windows Explorer (not Internet Explorer). Navigate to the drive containing the CD and double click on the file name. If this does not work, return to the folder containing your document and click on the file name. This will open a menu. Choose “OPEN WITH.” A new dialog box will open. Look for applications that do zipping. The most common is “WinZip.” Single click on your choice and click on the check box which says, “Always use this program to open these files.” This will set the program as your default and next time you need to open a ZIP file, you may just double click on the desired document.

*In November 2019 we had a gradual change in our network that affected some reporting of tower locations. Affected towers consist of less than 4 digits may have omitted the leading zeros that would have occurred between the sector and cell. Ex- if a tower used to show 10001 in our records it could show 11. Since this change is gradual, we currently have towers using the standard convention and the affected convention. We are working to resolve this issue and hopefully return to our standard of always providing 5 digits for towers of CDMA calls.

Interpreting Data Session Records

Your response includes Data Session records with or without location. Our query results in an Excel file with multiple columns. Each row represents one transaction on the T-Mobile or legacy Sprint network.

Please remember that T-Mobile systems natively use Coordinated Universal Time (UTC). Accordingly, the timestamps on these transactions appear as 00:00:01 to 23:59:59 UTC. T-Mobile is unable to convert these records to a different time zone. If you require records that are not captured in this response, please submit a new legal request that includes a description of records with the date/time adjusted for UTC.

Data Session are retained for 8 months on the T-Mobile network and for 90 days on the legacy Sprint network. At times, older records are available but may be incomplete or partially purged.

Please note that data usage can be passive, such as emails being delivered to an inbox or an application updating.

The first 64 bits of an IPv6 address are assigned by the network, and the last 64 bits are assigned by the User Equipment (UE). The network suggests to the UE the IP address to use, however the UE is only forced to use the first 64 bits and can randomly make up its own last 64 bits. Our records do not reflect the last 64 bits that the UE ultimately chooses, only the suggested IPv6.

The appearance and specific columns included may vary depending on whether the target was registered on the T-Mobile or legacy Sprint network. Some fields only appear in reports with location information. The columns present on your report may be:

Column Name	Description	Location Only?	Notes
IP Address	Internet Protocol address	No	The IP addresses displayed are “gateway” IPs and are all registered to T-Mobile US Inc. T-Mobile is unable to determine specific site accessed i.e., Facebook.com or Google.com.
MSISDN	Mobile Station International Subscriber Directory Number i.e., the target telephone number	No	
IMEI, MEID/ESN	International Mobile Equipment Identity of the target number, Mobile Equipment Identifier	No	
IMSI	International Mobile Subscriber Identity of the target number i.e., a unique network identifier, linked to the SIM card	No	
Start Time	The date and time in UTC when the session was connected.	No	
End Time	The date and time in UTC when the session was terminated.	No	
Node	The alphanumeric name of a node	No	
LTE ID	LTE ENodeB ID value	Yes	
Cell ID	LTE Sector ID value, or UMTS Cell ID value	Yes	
LAC	UMTS LAC value	Yes	
Address	Street address of tower used	Yes	

City	City of tower used	Yes	
State	State of tower used	Yes	
Zip	Zip code of tower used	Yes	
Azimuth	Orientation of antenna	Yes	
Latitude	Latitude of tower used	Yes	
Longitude	Longitude of tower used	Yes	
Downlink Size	Size of the download in bytes per session	Yes	
Uplink Size	Size of the upload in bytes per session	Yes	
Duration	The time duration in seconds derived by subtracting start date from end date.	No	
MCC	The Mobile Country Code of the network element handling the data session	No	
MNC	The Mobile Network Code of the network element handling the data session.	No	

Interpreting Timing Advance Records

Your response includes Timing Advance (TA) records. TA records are not call records. TA records are specialized historical location records. They are based on tower registrations and are not dependent on a voice call, text message or data session. TA records are stored by market, as defined by T-Mobile Engineering. TA records are retained for 0-90 days. Retention varies by market. Timing Advance data may not be available in every market, portion of a market or for every IMSI. Even if call records are found, there may be times when no timing advance records are available. Please exercise caution in using these records for investigative or prosecutorial purposes.

Timing Advance Records come with a rating of location accuracy known as confidence. A high level of confidence means that the device is located within 100 meters of the indicated location while a low level of confidence indicates a range of 300 or more meters from the indicated location. A medium is thus 100 – 300 meters from the indicated location. The accuracy of the result is largely based upon the number of network elements available to calculate the distance to the target. Because this calculation is an automatic one, there is no way for T-Mobile personnel to “fine tune” a result. Furthermore, because TA records come from a dynamic suite of tools, designed to evaluate network performance, T-MOBILE provides all responsive documents which are available at the time of your request, but the availability of records may vary overtime.

T-Mobile will certify timing advance records prepared 10/14/19 and after. T-Mobile is unable to certify timing advance records prepared prior to 10/14/19. For timing advance records prepared 10/14/19 and after, while T-Mobile certifies these records as business records under Fed. R. Evid. 803(6), 902(11), 902(13), and/or 902(14), T-Mobile shall not testify to the details of the collection, substance, and interpretation of such.

Please remember that T-Mobile systems natively use Coordinated Universal Time (UTC). If a time zone other than UTC was requested in your legal demand, you have been provided the exact UTC equivalent of your specified timeframe.

The columns present on your Timing Advance records may be:

Column Name	Description	Notes
Tracking ID	This is the Tracking ID that T-Mobile/MetroPCS used to process request.	
End Latitude	Latitude where the registration ended.	
End Longitude	Longitude where the registration ended.	
Confidence	High confidence represents <100m, Medium confidence represents 100m - 300m, and Low confidence represents >300m.	
IMSI	International Mobile Subscriber Identity of the target number.	
IMEI	International Mobile Equipment Identity of the target number.	
Model	Model name of the handset used.	
Make	Make of the handset used.	
Service Type	Type of service used during the registration.	
Start Date Time	Start time of the registration in UTC.	In UTC time.
Duration	Duration of the registration in seconds.	
End Date Time	End time of the registration in UTC.	In UTC time.
Start Cell	The cell where the registration began.	
Start eNodeB	The eNodeB where the registration began.	
Start TAC LAC	The TAC or LAC where the registration began.	
Start Sector	The sector where the registration began.	
End Cell	The cell where the registration ended.	
End eNodeB	The eNodeB where the registration ended.	

Column Name	Description	Notes
End Sector	The sector where the registration ended.	
Start Timing Advance Miles	Miles used to calculate the Confidence.	LTE only
End Timing Advance Miles	Miles used to calculate the Confidence.	LTE only
Start Timing Advance Cell	The cell where the registration began.	LTE only
End Timing Advance Cell	The cell where the registration ended.	LTE only
Technology	The technology used during the registration	
Device Technology	The device technology	
Market	The market the registration took place in.	

For more information on UTC, please visit: <http://www.timeanddate.com/time/aboututc.html>. To convert records to your local time, you will need to use a converter such as http://www.worldtimeserver.com/convert_time_in_UTC.aspx.

NOTICE REGARDING TIMESTAMP ON T-MOBILE CALL DETAIL RECORDS

T-Mobile US, Inc. stores and maintains call detail records in several different native formats. The most current call detail records are stored and maintained in Coordinated Universal Time ("UTC"). UTC is not a time zone, but a time standard that is the basis for civil time and time zones worldwide. UTC operates independently of country specific time zones and/or seasonal adjustments, such as Daylight Savings Time. Older call detail records are stored and maintained in the time zone associated with the user's location at the time of the call.

If you received call detail records in a spreadsheet format, they are timestamped in UTC. If call records have been produced, the transactions reflect UTC timestamps that correspond with the dates and times specifically identified in the legal demand.

A list of the most commonly requested records is listed below, together with the associated native formats.

- UTC: Voice Calls, with or without Cell Sites, SMS – Most recent 24 months
- User Location at time of call : Voice Calls – Older than 24 months (postpaid only)
- UTC: Data Sessions

The resources below will assist your preparation of a description of records that corresponds with UTC.

- To convert records to your local time, you will need to use a converter, such as:
http://www.worldtimeserver.com/convert_time_in_UTC.aspx
- For more information on UTC, you may visit: <http://www.timeanddate.com/time/aboututc.html>

*The above information applies to T-Mobile network activity only. Activity on the legacy Sprint network may have different native formats.

Any questions regarding this notice may be directed to LER2@T-Mobile.com. Please be sure to include the Tracking ID that appears of the initial response with all questions and inquiries.

Interpreting Call Detail Records CDMA Legacy Sprint - Exigent Only

Calling Number	This column reflects the number placing the call (the individual who initiated the call). If the call is an outgoing call, this will be the Sprint PCS target number
Called Number	This column reflects the number called. In most cases this number will be the same as the number in the "Dialed Digits" column. If the number has been forwarded, or if there is a routing number, then this will be reflected. If the number has a 11 in front of the area code, that means the call rolled to voicemail and was NOT answered by the customer
Dialed Digits	This column reflects the digits that the caller enters into the keypad of the phone. If the call is an incoming call, this will be the Sprint PCS target number
Mobile Role	Mobile Role (Type of Call). Listed as outgoing, incoming, routed call or undetermined
Start Date	Date and time the call was initiated
End Date	Date and time the call was ended
Duration	Duration of call, in seconds
Call Type	Indicates the type of transaction on the network. This includes, but not limited to: Voice, Text Detail
NEID	This reflects which network element handled the call
First Cell	Specific cell site in which the call was initiated. The first digit reflects the sector. The last 3-4 digits represent the Cell#. (See attached "Three Sector Layout" page for sector orientation.) For example, if the number in the column reads 2083, the cell site is 083 and the sector is 2
Last Cell	Specific cell site in which the call was ended. The first digit reflects the sector. The last 3-4 digits represent the Cell#. (See attached "Three Sector Layout" page for sector orientation.) For example, if the number in the column reads 2083, the cell site is 083 and the sector is 2
Tower Location Look Up	Identify tower number in columns J and K on the CDR report. The first digit is the sector number (side of tower). The last 4 digits are the tower number. In the NEID list, look up each tower number (column A, Cell# on NEID list) to identify Latitude, Longitude and Azimuth for each tower.
Azimuth	The azimuth listed is the center compass degree facing of the identified sector of the tower. Generally, the coverage of a tower is circular and divided in three equal pieces (each 120 degrees wide). Due north is 0, due south is 180. However, not every tower is aligned with the first sector starting at 0. Using the listed azimuth, rough direction from the tower can be calculated for a call. The center degree of the sector's facing is indicated in this field. For example, if a facing has a listed orientation of 90, the center of the coverage is pointed at 90 degrees, but the sector will cover traffic from roughly 60 degrees on either side (thus 30 to 150 degrees in this example).

Sprint Wholesale Partners

Mobile Virtual Network Operator (MVNO)	Address	Phone#	Fax#
2600hz Inc.	116 Natoma Street, Suite B San Francisco CA 94105	415-886-7901	415-886-7985
321 Communications Inc.	4600 Touchton Road, Suite 1150 Jacksonville FL 32246	305-356-4538	904-212-0555
ACN, Inc. (LKN Communications, Inc.)	1000 Progress Place Concord NC 28025	704-260-3366	704-260-3512
Acuative Corporation (f/k/a TelSource Corporation)	30 Two Bridges Road, Suite 240 Fairfield NJ 7004		973-556-1669
Aeris Communications, Inc.	2350 Mission College Blvd, Suite 600 Santa Clara CA 95054		408-557-1925
Alegro Mobile, LLC	1742 W. 42nd Place Hialeah FL 33012		
Amazon.com, Inc.	410 Terry Avenue North Seattle WA 98109-5210		206-266-7010
American Broadband and Telecommunications Company	One Seagate, Suite 600 Toledo OH 43699-0032	419-824-5810	419-205-9014
Amerimex Communications, Corp. d/b/a Safety Net Wireless	2323 Curlew Rd, Suite 7B Dunedin FL 34698		
AMTEL Corporation	379 Thornall Street, 5th Floor Edison NJ 8837	212-570-6146	908-418-4111
Assist Wireless LLC	2330 Gravel Drive Fort Worth TX 76118	682-246-9734 214-883-4192	817-887-1738
Aureon Communications LLC (Alliance - Internet Solver)	11308 Aurora Ave Urbandale IA 50322		515-224-0829
Autonet Mobile Inc.	3636 N. Laughlin, #150 Santa Rosa CA 95403		
Ayr Data, Inc.	1632 Mai Avenue Desoto TX 75115		972-283-6770
Baja Broadband, LLC (Decommissioned)	1061 521 Corporate Center Dr., Suite 100 Fort Mill SC 29707	980-235-7680	980-235-7602
Beyond Wireless LLC (fka LDCB)	4010 W. Walton Blvd, Suite B Waterford MI 48329		
BHN Spectrum Investments, LLC	5000 Campuswood Drive East Syracuse NY 13057		315-438-4643
Birch Communications Inc.	3060 Peachtree Rd. NW, One Buckhead Plaza, Suite 1065 Atlanta GA 30305	502-410-1456	478-405-3130
Blue Casa Telephone LLC (fka chit chat)	724 East Lincoln, Wichita, Ks 67211	316-265-1505 316-650-0161	
Blue Jay Wireless LLC	4240 International Parkway, Suite 140 Carrollton TX 75007		
BrightStar Global Solutions LLC (f/k/a Yourtel)	11450 Baker Road Platte City MO 64079		816-388-1044
Budget Prepay Inc.	1325 Barksdale Blvd. Bossier City LA 71111	318-671-5765	318-908-9996
C Spire		601-487-5200	601-487-7517
Call One, Inc.	225 N. Wacker Drive, 8th Floor Chicago IL 60606		312-496-6672
Cause Based Commerce Inc.	8111 Cheviot Road, Suite 201 Cincinnati OH 45247	513-923-9003	513-245-6382
Cbeyond Communications LLC	320 Interstate North Parkway Atlanta GA 30339	478-405-3866	
Charge Communication Inc.	1501 Mariposa St. #326 San Francisco CA 94107		
China Telecom Americas Corporation	607 Herndon Parkway, Suite 201 Herndon VA 20170		
Chunghwa Telecom Global Inc.	2107 N. First Street, Suite 580 San Jose CA 95131		
Cintex Wireless (f/k/a Cozac Wireless LLC-Liberty)	11565 Old Georgetown Road Rockville MD 20852	877-366-8432	914-459-0410
Cintex Wireless (TAG Mobile)	11565 Old Georgetown Road Rockville MD 20852		
Citibroadband Wireless Inc.	25 James Way Eatontown NJ 7724		732-440-4529
Comcast MVNO II, LLC (TRIAL AGREEMENT)	Comcast Center, 1701 John F. Kennedy Blvd Philadelphia PA 19103		
ConnectTo World Inc. d/b/a ConnectTo Communications (NO LONGER MVNO AS OF 10/10/2019)	555 Riverdale, Suite A Glendale CA 91204	818-546-4601	818-546-4617
Contour Networks	1349 W. Peachtree St., Suite 1740 Atlanta GA 30309		404-347-8370
Crane Merchandising Systems, Inc.	12955 Enterprise Way Bridgeton MO 63244		781-551-0515

Mobile Virtual Network Operator (MVNO)	Address	Phone#	Fax#
Credo Mobile Inc.	101 Market Street, Suite 700 San Francisco CA 94105-1533	415-369-2116	415-371-1048
DataXoom Corp. (True Wireless Inc.)	1995 El Dorado Avenue Berkeley CA 94707	925-362-9601	925-886-2640
Dejero Labs Inc.	412 Albert St., Suite 100 Waterloo, Ontario Canada N2L3V3		866-808-3665
Earthlink LLC	330 Monroe Avenue Rochester NY 14607		
Easton Telecom Services LLC (Decommissioned 4/14/2020)	3046 Brecksville Road Richfield OH 44286		330-659-9379
EcoMobile, Inc	2737 Via Orange Way, Ste 105 Spring Valley CA 91978	619-821-2290	
Enhanced Communications Group LLC	312 SE Delaware Ave. Bartlesville OK 74003		
Enhanced Communications Network Inc.	9550 Flair Drive, Suite 400 El Monte CA 91731	626-856-3492	626-582-1276
Epik Networks LLC	2711 Centerville Road, Suite 400 Wilmington VA 19808		
FreedomPop (STS Media Inc.)	18757 Burbank Blvd., Suite 116 Tarzana CA 91356	720-314-1140	
Freightwatch Security Net, Inc.	7501 N. Capital of Texas Hwy, Suite A-140 Austin TX 78731		512-329-0293
Google North America Inc.	1600 Amphitheatre Parkway Mountain View CA 94043	650-417-9011	
Google/ google fi /Nova			
Granite Telecommunications, LLC	100 Newport Ave, Ext Quincy MA 2171		617-328-0312
GreatCall	PO Box 4428 Carlsbad CA 92018	858-720-7391	
Hawaiian Telcom Communications Inc.	1177 Bishop Street Honolulu HI 96813		
Hotwire Communications Ltd. (Decommissioned on 6/1/20)	One Belmont Avenue, Suite 1100 Bala Cynwyd PA 19004	484-572-6003	610-642-9812
Ideal Mobile LLC (fka Zhielo) (Decommissioned on 11/13/19)	2050 N.E. 203rd Street North Miami Beach FL 33179	305-300-1325	786-288-3816
IDT Domestic Telecom Inc. & IDT Telecom Inc.	520 Broad Street Newark NJ 7102		
iGlobal Communications LLC	745 Davids Drive Wilmington OH 45177		937-283-3797
Ignition Wireless, LLC (Mobile Net Posa)	5400 Carillon Point Kirkland WA 98033		
I-New USA, Inc.	c/o Gibbons P.C., One Pennsylvania Plaza, 37th Floor New York NY 10119		
iPass Inc.	3800 Bridge Parkway Redwood Shores CA 94065	949-681-5093	650-232-4111
ItsOn Inc.	275 Shoreline Dr., Suite 350 Redwood City CA 94065		
i-Wireless LLC	One Levee Way, Suite 3104 Newport KY 42071	513-608-7328	859-261-6639
Kajeet Inc.	7101 Wisconsin Avenue, Suite 1111 Bethesda MD 20814	212-702-3747	240-482-3481
Kajeet/Airlink LLC	7101 Wisconsin Avenue, Suite 1111 Bethesda MD 20814	212-702-3747	240-482-3481
Karma Mobility Inc.	176 Grand Street, 2nd Floor New York NY 10017		
KORE Wireless Group Inc. (RACO)	3700 Mansell Road, Suite 300 Alpharetta GA 30022		
KORE Wireless Group Inc. (Wyless)	3700 Mansell Road, Suite 300 Alpharetta GA 30022		
Kynect	CT Corporation Systems 1999 Bryan St, suite 900, Dallas, Tx 75201	214-210-6309	
Latino Communications Corporation	5221 N. O'Connor Road, Suite 850 Irving TX 75039		972-444-4554
Layered Communications, LLC	1942 Broadway, Suite 314 Boulder CO 80303		
Liberty Mobile		626-248-0128	610-340-9085
Lunar Labs Inc.	1938 Franklin Street, Suite 206 Detroit MI 48207		
Lytx, Inc. (DriveCam Inc)	9785 Towne Centre Drive San Diego CA 92121		
M2M DataSmart Inc.	1155 Camino Del Mar #402 Del Mar CA 92014		
Madstar Mobile LLC	65 Blank St New Milford CT 6776	855-623-7827	
Master Call Connections, LLC	39 Broadway, Suite 1850 New York NY 10006	212-324-1221	212-324-1220
Master Call Connections, LLC (WDT)	39 Broadway, Suite 1850 New York NY 10016	212-324-1221	

Mobile Virtual Network Operator (MVNO)	Address	Phone#	Fax#
MegaPath Corporation f/k/a MegaPath Inc.	2510 Zanker Road San Jose CA 95131		408-952-7539
Meimoun & Mammon LLC	100 N. Biscayne Boulevard, Ninth Floor Miami FL 33132		
Mettel (Manhattan Telecommunications Corporation)	55 Water Street, 31st Floor New York NY 10041	212-607-2007	212-701-8350
Mitel Cloud Services, Inc.	1146 North Alma School Rd Mesa AZ 85201	602-200-0520	602-798-7046
Netfortris Acquisition Co., Inc. (Telekenex)	455 Market Street, #620 San Francisco CA 94105	415-287-1206	
Netzero Wireless, Inc	21255 Burbank Boulevard Suite 400 Woodland Hills CA 91367	818-287-3525	818-287-3001
Omnilink Systems Inc.	6120 Windward Parkway, Suite 100 Alpharetta GA 30005		678-624-5954
Omnitracs LLC (Qualcomm & GlobalTracs)	717 N Harwood, Suite 1300 Dallas TX 75201		
One Source Networks Inc.	6200 Bridge Point Parkway, Building 4, Suite 100 Austin TX 78730		210-679-4601
Onvoy, LLC (Vitelity LLC)	10300 6th Ave N Plymouth MN 55441	763-230-4306	303-500-0615
Pareteum North America Corp. (fka Elephant Talk)	100 Park Avenue, Suite 1600 New York NY 10017		
Patriot Mobile LLC (f/k/a EOS Mobile)	1205 S. White Chapel Blvd, Suite 215 Southlake TX 76092	817-527-5116	
PowerNet Global Communications Inc.	100 Commercial Drive Fairfield OH 45014		
Q Link Wireless LLC	499 East Sheridan Street, Suite 300 Dania FL 33004	954-482-4255	305-402-0224
Ready Wireless LLC (KDDI/Total Call)	955 Kacena Road, Suite A Haiwatha IA 52233	319-294-6080	319-294-6081
Ready Wireless LLC	955 Kacena Road, Suite A Hiawatha IA 52233	319-294-6080	319-294-6081
Real Time Translation Inc.	1107 Hazeltine Blvd. Suite 535 Chaska MN 55318		952-368-7383
Red Pocket Inc.	2060 D Avenida de los Arboles, Suite 288 Thousand Oaks CA 91362	310-819-2888	310-362-8463
Regional Strategic Partners, LLC (Cleartalk)	2693 Brickton North Dr Buford GA 30518		
Republic Wireless Inc. (f/k/a Bandwidth.com)	14900 Bogle Drive, 101 Chantilly VA 20151	877-510-4357	703-953-3643
Roam Mobility USA Inc. & Otono Networks Inc.	950-1100 Melville Street Vancouver, British Columbia Canada V6E 4A6		
ROK Mobile Inc.	8500 Steller Drive, Unit 3 Culver City CA 90232		
SI Wireless LLC	1418 Kensington Square Court, Building B Murfreesboro TN 37130	405-209-8094	
Sierra Wireless Services America, LLC	3330 Cumberland Blvd, Suite 700 Atlanta GA 30339		770-693-5951
SmartDrive Systems Inc.	9450 Carroll Drive Park San Diego CA 92121	858-225-5582	858-638-1757
Telecom Service Bureau Inc.	2303 SE 17th Street, Suite 102 Ocala FL 34471	352-233-2700	352-433-2161
Telispire (f/k/a Coast to Coast)	4245 Kemp Boulevard, Suite 220 Wichita Falls TX 76308		
Telispire (ZefCom)	4245 Kemp Boulevard, Suite 220 Wichita Falls TX 76308	940-397-9605	940-397-9610
Telit IOT Platforms, LLC (f/k/a Crossbridge)	5300 Broken Sound Blvd NW, Suite 150 Boca Raton FL 33487		
Tello LLC (Miron Enterprises)	4780 Ashford Dunwoody Road, Suite A 236 Atlanta GA 30338	1-888-366-3172	
Telogis Inc.	20 Enterprise, Suite 100 Aliso Viejo CA 92656		
TextNow, Inc. (f/k/a Enflick Inc.)	375 Hagey Blvd, Suite 310 Waterloo ON N2L6R5	226-476-1578	226-476-1723
The People's Operator USA, LLC	915 Broadway, Suite 1306 New York NY 10012		
Tiercel Security Solutions Inc.	110 Cherry Street, Suite 300 Seattle WA 98104		206-624-9448
TING 14 (formally Ring Plus)			
TracFone Wireless Inc.	9700 NW 112th Avenue Miami FL 33178	305-640-2054	305-715-3738
Triton Systems of Delaware LLC	21405 B Street Long Beach MS 39560		228-575-3101

Mobile Virtual Network Operator (MVNO)	Address	Phone#	Fax#
Tru Mobility Inc.	825 18th Street, Suite 200 Vero Beach FL 32960	772-539-0702	866-295-7744
TruConnect Communications Inc. (f/k/a Telscape)	1149 S. Hill Street, Suite H-400 Los Angeles CA 90015	213-379-5144	
TUCOWS Inc.	96 Mowat Avenue Toronto ON M6K 3M1	855-772-7088	
TWC Wireless LLC	60 Columbus Circle, c/o Time Warner Cable New York NY 10023		212-364-8459
TX Mobile LLC	9918 Brooklet Dr Houston TX 77099		713-534-1790
Unified Signal Inc. f/k/a DataJack Inc.	5400 Carolina Point, Bldg. 5000, 4th Floor Kirkland WA 98033	206-914-2266	
Vantage Communications (USA), LLC	6805 Route 202 New Hope PA 18938		267-756-1200
Venture 3 Systems LLC	1100 Horizon Circle, Suite 102 Chalfont PA 18914		267-308-0565
Waimana Enterprises Incorporated	1003 Bishop Street, Pauahi Tower, Suite 2700 Honolulu HI 96813		808-599-4653
Wing Tel, Inc.	550 W. 54th Street New York NY 10019	646-896-9310	
Wireless Holdings LLC	9119 Hwy 6 South, Suite 230 Box 130 Missouri City TX 77459		
Wizie.com LLC	32450 Rock Ridge Lane Farmington Hills MI 48334		248-671-0002
Zirrus LLC (Direct Comm Solutions Inc)	10251 Majestic Trail Parkland FL 33076	954-949-0377	
ZoomMediaPlus, Inc.	13991 Durango Dr Del Mar CA 92014	619-203-9381	858-793-9899
Ztar Mobile Inc.	16 Village Lane, Suite 250 Colleyville TX 76034	817-427-8888	817-605-9990

T-Mobile Wholesale Partners

Brand	MVNO Company Name	MVNO Address
Always Connect Solutions, LLC	Always Connect Solutions, LLC	Always Connect Solutions, LLC 604 N Sterling St., Nampa, ID 83651 Tel: 208-949-4000
CINTEX	Prepaid Group Wireless LLC (PWG)	PWG 6100 Executive Blvd, Ste 202, Rockville, MD 20852 Attn: Kim Corrigan Tel: 301-363-4303, Email: kim@pwgns.com
CONSUMERCELLULAR	Consumer Cellular	Consumer Cellular 7204 SW Durham Road, Suite 300, Portland, Oregon 97224 Tel: 888-750-5519
DISH MVNO	DISH	Email : boostsubpoenas@dish.com
Enfotrace	EnfoTrace	EnfoTrace 33 Hammond St. #201, Irvine, CA 92618 Tel: 213-840-0350
KAJEET	Kajeet Inc.	Kajeet Inc., Legal Department - General Counsel 7901 Jones Branch Dr., Suite 350, McLean, Virginia 22102 Tel: 240 482 3480, Fax: 240 482 3481
LYCAPLUS	LycaMobile, LycaMobile Plus	LycaMobile Subpoena Compliance Custodian of Records 570 Broad Street, Newark, NJ 07102 Tel: 973-286-0771, Fax: 973-286-0773 E-mail: subpoena.compliance@lycamobile.com
NOVA	Nova	Google Legal Investigations Support 1600 Amphitheatre Parkway Mountain View, CA 94043 Tel: 650-253-3425
Numerex	Numerex	Numerex 400 Interstate North Pkwy. Suite 1350, Atlanta, GA 30339 Tel: 800-665-5686
Orbcomm	Orbcomm	Orbcomm 22970 Indian Creek Dr. #300, Sterling, VA 20166 Tel: 301-693-7611, Tel: 703-433-6455
Plintron	Plintron	Plintron 10900 NE 8th Street, Suite 1000, Bellevue, WA 98004 Tel: 646-517-7644 (24x7), Fax: 425-274-7023 Email: PA-subpoena@plintron.com
Procon	Procon	Procon 2035 Lakeside Centre Pkwy. Ste 125, Knoxville, TN 37922 Tel: 865-694-2704
RACO	Raco Wireless/Raco Industries	Raco 5480 Creek Rd., Cincinnati, OH 45242 Tel: 800-509-3677

Brand	MVNO Company Name	MVNO Address
Republic Wireless	Subsentio	Republic Wireless C/O Subsentio 14900 Bogle Dr 101, Chantilly, VA 20151 Tel: 877-510-4357 x1
SIMPLE	Simple Mobile	TracFone Wireless Inc. d/b/a Simple Mobile Subpoena Compliance 9700 NW 112th Ave., Miami, FL 33178 Tel: 800-810-7094, Fax: 305-715-6932 <i>*Emergencies only: 800-820-8632</i>
Ting MVNO	Ting Inc.	Ting Inc. 800D Louisville Street Starkville, Mississippi 39759 Tel: 855-846-4389, Fax: 416-531-5584 Email: compliance@ting.com, <i>*Emergencies only: 844-276-1773</i>
TRACFONE	TracFone Wireless Inc.	TracFone Wireless Inc. Subpoena Compliance 9700 NW 112th Ave., Miami, FL 33178 Tel: 800-810-7094, Fax: 305-715-6932 <i>*Emergencies only: 800-820-8632</i>
TWILIO	Twilio Inc.	Twilio Inc. 375 Beale St. Ste 300, San Francisco, CA 94105 Tel: 844-264-7228, Tel: 415-683-7921
ULTRA	Ultra Mobile	Ultra Mobile 3420 Bristol Street, 6th Floor Costa Mesa, CA 92626 Tel: 855-846-6314, Fax: 949-900-1093 Email: ler@ultra.me
WALMART	Walmart Family Mobile	TracFone Wireless Inc. Subpoena Compliance 9700 NW 112th Ave., Miami, FL 33178 Tel: 800-810-7094, Fax: 305-715-6932 <i>*Emergencies only: 800-820-8632</i>
Wyless	Wyless	Wyless 60 Island St., Lawrence, MA 01840 Tel: 617-949-8900

Legacy Sprint NEID List by NEID

*NEIDs 804-815 are VoLTE Voice NEIDs

*NEIDs in the 3000s are cross provisioned on the T-Mobile network

ID	Switch Name	Switch Vendor	Time Zone	ID	Switch Name	Switch Vendor	Time Zone
1	Oklahoma City 1 (D)	Nortel	Central	39	Columbia 1	Lucent	Eastern
2	Little Rock (D)	Nortel	Central	40	LA Irvine 1 Orange County (D)	Lucent	Pacific
3	Fresno 1 (D)	Lucent	Pacific	41	LA 1 Irvine 2	Lucent	Pacific
4	Portland 1 (D)	Lucent	Pacific	42	LA 2 Burbank 1	Lucent	Pacific
5	Spokane 1 (D)	Lucent	Pacific	43	San Diego	Lucent	Pacific
6	KC Lenexa 1 (D)	Nortel	Central	44	LA Ontario 1	Lucent	Pacific
7	KC Lenexa 2 (D)	Nortel	Central	45	Charleston 1 Ntelos (D)	Lucent	Eastern
8	Milwaukee New Berlin (D)	Lucent	Central	47	El Paso (D)	Nortel	Mountain
9	Salt Lake City (D)	Lucent	Mountain	49	Lubbock (D)	Nortel	Central
10	Albany 1	Lucent	Eastern	50	Columbia 2 (D)	Lucent	Eastern
11	Omaha 1 (D)	Nortel	Central	51	Brookings	Nortel	Central
12	Des Moines Urbandale (D)	Nortel	Central	53	KC Independence 1 (D)	Nortel	Central
13	Louisville 1 (D)	Nortel	Eastern	54	Greenville 1	Lucent	Eastern
14	Pittsburgh 1 (D)	Lucent	Eastern	56	Wallingford 2 Hartford (D)	Lucent	Eastern
15	San Antonio 1 (D)	Nortel	Central	58	Austin 2 (D)	Nortel	Central
16	Dallas 1 (D)	Nortel	Central	59	Pennsauken 1	Lucent	Eastern
17	Fort Worth 1 (D)	Nortel	Central	60	Lansing 1 (D)	Lucent	Eastern
18	Austin 1 (D)	Nortel	Central	61	Orlando 2 (D)	Nortel	Eastern
19	St Louis Maryland Heights 1 (D)	Nortel	Central	62	RGV McAllen (D)	Nortel	Central
20	St Louis Maryland Heights 2 (D)	Nortel	Central	63	Edinburg 1	Lucent	Eastern
21	Bos Woburn 1	Lucent	Eastern	64	Carlsbad 1	Lucent	Pacific
22	Miami 1 (D)	Nortel	Eastern	65	LA Burbank 2 (D)	Lucent	Pacific
23	Miami Deerfield Beach (D)	Nortel	Eastern	67	Bos Woburn 2 (D)	Lucent	Eastern
24	Sacramento 1 (D)	Lucent	Pacific	68	Cheektowaga Buffalo (D)	Lucent	Eastern
25	Sea Redmond 2 (D)	Lucent	Pacific	69	DC Beltsville 3 (D)	Lucent	Eastern
26	Philadelphia 1	Lucent	Eastern	71	Pittsburgh 2 (D)	Lucent	Eastern
27	Buffalo 1 (D)	Lucent	Eastern	72	NY Manhattan 2	Lucent	Eastern
28	Denver Englewood 1 (D)	Lucent	Mountain	73	Phoenix 2 (Phx-MS-C 2) (D)	Lucent	Other
29	NY Westbury 2 (D)	Lucent	Eastern	75	Philadelphia 2 (D)	Lucent	Eastern
30	NY Westbury 1	Lucent	Eastern	76	Reno (D)	Lucent	Pacific
31	Indianapolis 1 (D)	Nortel	Eastern	77	Denver Englewood 2(D)	Lucent	Mountain
33	Nashville 1 (D)	Nortel	Central	79	San Antonio 2 (D)	Nortel	Central
34	Las Vegas 1	Lucent	Pacific	80	Dallas 2 (D)	Nortel	Central

Legacy Sprint NEID List by NEID - continued

ID	Switch Name	Switch Vendor	Time Zone	ID	Switch Name	Switch Vendor	Time Zone
81	Miami 2 (D)	Nortel	Eastern	136	Johnson City (D)	Nortel	Eastern
82	St Cloud (D)	Nortel	Central	138	Erie 1 (D)	Nortel	Eastern
84	NY Teterboro 2	Lucent	Eastern	139	Chi Bridgeview 2 (D)	Nortel	Central
86	NY Manhattan 1 (D)	Lucent	Eastern	140	Cleveland 1 (D)	Nortel	Eastern
87	PR Bayamon 1 (D)	Nortel	Other	141	Cincinnati Sharonville 1 (D)	Nortel	Eastern
88	DC Hanover 1 (D)	Lucent	Eastern	142	Worthington Columbus (D)	Nortel	Eastern
90	DC Beltsville 1	Lucent	Eastern	143	Richmond 1 (D)	Nortel	Eastern
91	Waynesboro 2 Ntelos (D)	Lucent	Eastern	144	Raleigh 1 (D)	Nortel	Eastern
92	DC Beltsville 2 (D)	Lucent	Eastern	145	Charlotte 1 (D)	Nortel	Eastern
94	Albany 2 (D)	Lucent	Eastern	146	Knoxville 1 (D)	Nortel	Eastern
95	SF Santa Clara (D)	Lucent	Pacific	147	Hon Moanalua 1 (D)	Nortel	Other
96	Springfield SWAT	SWAT	Eastern	148	Chi Arlington Heights 1 (D)	Nortel	Central
101	Bos Walpole 1	Lucent	Eastern	149	Chi Bridgeview 1 (D)	Nortel	Central
103	SF Santa Rosa 1 (D)	Lucent	Pacific	150	Norfolk 1 (D)	Nortel	Eastern
104	LA Ontario 2 (D)	Lucent	Pacific	151	Chicago Aurora 1 (D)	Nortel	Central
106	NY Branchburg 1	Lucent	Eastern	153	Carlsbad 2 (D)	Lucent	Pacific
107	NY Teterboro 1 (D)	Lucent	Eastern	156	Houston Westland 1 (D)	Nortel	Central
113	Wallingford 1 Hartford	Lucent	Eastern	157	Charleston 1 (D)	Nortel	Eastern
115	Davenport (D)	Nortel	Central	158	NY Long Island City 2	Lucent	Eastern
116	Fort Wayne 1 (D)	Nortel	Eastern	159	LA Santa Fe Springs 2 (D)	Lucent	Pacific
118	Sea Redmond 1 (D)	Lucent	Pacific	160	Lansing 2 (D)	Lucent	Eastern
120	LA Santa Fe Springs 1	Lucent	Pacific	161	DC Hanover 2	Lucent	Eastern
121	Bos Walpole 2 (D)	Lucent	Eastern	162	Pennsauken 2 (D)	Lucent	Eastern
122	Chi Arlington Heights 2 (D)	Nortel	Central	163	Fort Worth 3 (D)	Nortel	Central
123	Fort Worth 2 (D)	Nortel	Central	164	Raleigh Morrisville 2 (D)	Nortel	Eastern
124	Manhattan Tandem (D)	Lucent	Eastern	166	Schertz 1 (D)	Nortel	Central
125	NY Westbury Tandem (D)	Lucent	Eastern	168	NY Long Island City 3 (D)	Lucent	Eastern
126	Greenville 2 (D)	Lucent	Eastern	169	Stockton 1 WSS	Samsung	Pacific
128	Houston Fallstone 2 (D)	Nortel	Central	170	Bayamon 1 WSS	Samsung	Other
130	Tampa Ft Meyers (D)	Nortel	Eastern	171	Bayamon 2 WSS	Samsung	Other
135	NY Long Island City 1 (D)	Lucent	Eastern	172	Buffalo 1 WSS	Samsung	Eastern

Legacy Sprint NEID List by NEID - continued

ID	Switch Name	Switch Vendor	Time Zone	ID	Switch Name	Switch Vendor	Time Zone
173	Elkridge airave (D)	Airave	Eastern	218	Richmond 1 ALU	Lucent	Eastern
174	Phoenix airave (D)	Airave	Mountain	219	Hawaii 1 ALU	Lucent	Other
175	Ft worth airave (D)	Airave	Central	225	Milwaukee New Berlin 2 (D)	Lucent	Central
176	Atlanta 1 NWV	Ericsson	Eastern	263	NY Manhattan SWAT	SWAT	Eastern
177	NY Harrison 1	Lucent	Eastern	302	Detroit 1 (D)	Lucent	Eastern
178	DC Elkridge 1	Lucent	Eastern	304	Detroit 2 (D)	Lucent	Eastern
181	Kentwood 1 (D)	Nortel	Eastern	309	Minneapolis 1 (D)	Nortel	Central
183	Phoenix 3 (Phx-Roeser-MS 1)	Lucent	Mountain	310	Minneapolis 2 (D)	Nortel	Central
184	Norcross SWAT	SWAT	Eastern	360	Hammond 1 (D)	Nortel	Central
185	Fort Worth SWAT	SWAT	Central	361	Hammond 2 (D)	Nortel	Central
186	Oroville SWAT	SWAT	Pacific	363	NY Westbury SWAT	SWAT	Eastern
187	Elkridge SWAT	SWAT	Eastern	364	Kansas City SWAT	SWAT	Central
188	Orlando SWAT	SWAT	Eastern	365	Anaheim SWAT	SWAT	Pacific
189	Chicago SWAT	SWAT	Central	366	Springfield MGC	MGC8	Eastern
190	Satsuma SWAT	SWAT		367	Harrison MGC	MGC8	Eastern
201	Birmingham 1 (D)	Nortel	Central	368	Elkridge MGC	MGC8	Eastern
202	Kansas City 1 NWV	Ericsson	Central	369	Fairfax MGC	MGC8	Eastern
203	Ft Worth 1 NWV	Ericsson	Central	370	Anaheim MGC	MGC8	Pacific
204	Ft Worth 2 NWV	Ericsson	Central	371	Burbank MGC	MGC8	Pacific
205	Houston 2 NWV	Ericsson	Central	372	Harrison2 MGC (D)	MGC8	Eastern
206	Nashville 1 NWV	Ericsson	Central	373	Springfield2 MGC (D)	MGC8	Eastern
207	Miami 1 NWV	Ericsson	Eastern	391	Waynesboro 2 Ntelos	Lucent	Eastern
208	Orlando 1 NWV	Ericsson	Eastern	400	Atl Roswell 1 (D)	Nortel	Eastern
209	Orlando 2 NWV	Ericsson	Eastern	401	Atl Roswell 2 (D)	Nortel	Eastern
210	Atlanta 2 NWV	Ericsson	Eastern	402	Atl Norcross 1 (D)	Nortel	Eastern
211	Nashville 2 NWV	Ericsson	Central/Eastern	405	Houston Fallstone 1 (D)	Nortel	Central
212	Phoenix NWV	Ericsson	Other	406	Jacksonville 1 (D)	Nortel	Eastern
213	Kansas City 2 NWV	Ericsson	Central	407	Memphis 1 (D)	Nortel	Central
214	Charlotte 1 ALU	Lucent	Eastern	408	Orlando 1 (D)	Nortel	Eastern
215	Norfolk 1 ALU	Lucent	Eastern	409	Tampa (D)	Nortel	Eastern
216	Morrisville 1 ALU	Lucent	Eastern	420	CHCGILFFCA6 WSS	Samsung	Central
217	Morrisville 2 ALU (2) (D)	Lucent	Eastern	422	AKRNOHIJCA5 WSS	Samsung	Eastern

Legacy Sprint NEID List by NEID - continued

ID	Switch Name	Switch Vendor	Time Zone	ID	Switch Name	Switch Vendor	Time Zone
422	AKRNOHIJCA5 WSS	Samsung	Eastern	481	Reston 2 WiFi	WiFi	Eastern
423	Houston 1 NWV	Ericsson	Central	482	Reston 3 WiFi	WiFi	Eastern
424	Cheyenne 1 WSS	Samsung	Mountain	485	New York SBCATT #1	VOC	GMT
425	Omaha 1 WSS	Samsung	Central	486	Chicago SBCATT #1	VOC	GMT
426	Akron 2 WSS	Samsung	Eastern	487	SBC911 WP Anaheim (Anasbc1)	WiFi	Pacific
427	Akron 3 WSS	Samsung	Eastern	488	SBC911 WP Tacoma (Tacsbc1)	WiFi	Pacific
428	Chicago 2 WSS	Samsung	Central	489	SBC911 Phoenix	WiFi	Mountain
429	Swiftel (Brookings) 2	Ericsson	Central	490	Anaheim International	International SBC	GMT
430	Manhattan 3	Lucent	Eastern	491	Ft. Worth, TX	International SBC	GMT
440	Anaheim #1	Mavenir	Central	492	New York, NY	International SBC	GMT
441	Anaheim #2	Mavenir	Central	493	SBC911 Chicago	WiFi	GMT
442	San Jose #1	Mavenir	Central	494	SBC911 New York	WiFi	Eastern
443	San Jose #2	Mavenir	Central	495	Anaheim SBCATT #1	VOC	GMT
444	Tacoma #1	Mavenir	Central	496	Chicago SBCATT #1	VOC	GMT
445	Tacoma #2	Mavenir	Central	497	SBC Movius-FT. Worth Multiline	WiFi	Central
446	Ft. Worth #1	Mavenir	Central	498	Atlanta SBCATT #1	VOC	GMT
447	Ft. Worth #2	Mavenir	Central	499	Ft. Worth SBCATT #1	VOC	GMT
448	Kansas City #1	Mavenir	Central	500	SCSCF Reston 1	IMS	Eastern
449	Kansas City #2	Mavenir	Central	500	SCSCF Reston 2	IMS	Eastern
450	Chicago #1	Mavenir	Central	500	SCSCF Reston 3	IMS	Eastern
451	Chicago #2	Mavenir	Central	501	SCSCF Lenexa 1	IMS	Central
452	Atlanta #1	Mavenir	Central	501	SCSCF Lenexa 2	IMS	Central
453	Atlanta #2	Mavenir	Central	501	SCSCF Lenexa 3	IMS	Central
454	Harrison #1	Mavenir	Central	502	IMS Reston 1 ccf	IMS	Eastern
455	Harrison #2	Mavenir	Central	503	IMS Lenexa 1 ccf	IMS	Central
456	Elkridge #1	Mavenir	Central	505	Houston Westland 2 (D)	Nortel	Central
457	Elkridge #2	Mavenir	Central	508	SF Brisbane 1	Lucent	Pacific
477	Lenexa 1 WiFi	WiFi	Central	510	SF Brisbane 2	Lucent	Pacific
478	Reston 1 WiFi	WiFi	Eastern	512	SF Oakland 1	Lucent	Pacific
479	Lenexa 2 WiFi	WiFi	Central	513	Tacoma 1 WSS	Samsung	Pacific
480	Lenexa 3 WiFi	WiFi	Central	520	Fusion STIC SMS #1	SMT	

Legacy Sprint NEID List by NEID - continued

ID	Switch Name	Switch Vendor	Time Zone	ID	Switch Name	Switch Vendor	Time Zone
521	Fusion STIC SMS #2	SMT		619	nysbc39	SBC	Eastern
540	Reston MCODE Fusion SMS #1	SMT	Central	630	Akron 3 wss	Samsung	Eastern
541	Reston MCODE Fusion SMS #2	SMT	Central	631	Chicago 2 WSS	Samsung	Central
542	Reston MCODE Fusion SMS #3	SMT	Central	798	Hulu TDR #1	TDR	Central
543	Reston MCODE Fusion SMS #4	SMT	Central	na	Airave Phase 2	TCS	
544	Reston MCODE Fusion SMS #5	SMT	Central	na	Airave Phase 2	TCS	
545	Reston MCODE Fusion SMS #6	SMT	Central	na	Airave Phase 2	TCS	
546	Reston MCODE Fusion SMS #7	SMT	Central	na	Airave Phase 2	TCS	
547	Reston MCOE Fusion SMS #8	SMT	Central	798	Hulu TDR#1	TDR	Central
548	Lenexa MCOE Fusion SMS #9	SMT	Central	Varies by SMRE	SMSL 01	SMS	Central
549	Lenexa MCOE Fusion SMS #10	SMT	Central	Varies by SMRE	SMSL 02	SMS	Central
550	Lenexa MCODE Fusion SMS #1	SMT	Central	Varies by SMRE	SMSL 03	SMS	Central
551	Lenexa MCODE Fusion SMS #2	SMT	Central	Varies by SMRE	SMSL 04	SMS	Central
552	Lenexa MCOA Fusion SMS #3	SMT	Central	Varies by SMRE	SMSL 05	SMS	Central
553	Lenexa MCODE Fusion SMS #4	SMT	Central	Varies by SMRE	SMSL 06	SMS	Central
554	Lenexa MCODE Fusion SMS #5	SMT	Central	Varies by SMRE	SMSL 07	SMS	Central
555	Lenexa MCOE Fusion SMS #6	SMT	Central	Varies by SMRE	SMSL 08	SMS	Central
556	Lenexa MCOE Fusion SMS#7	SMT	Central	Varies by SMRE	SMSL 09	SMS	Central
557	Lenexa MCOE FUSION SMS #8	SMT	Central	Varies by SMRE	SMSL 10	SMS	Central
558	Lenexa MCOE FUSION SMS #9	SMT	Central	Varies by SMRE	SMSL 11	SMS	Central
559	Lenexa MCOE FUSION SMS #10	SMT	Central	Varies by SMRE	SMSL 12	SMS	Central
600	CS OSA Lenexa	Airave	Central	Varies by SMRE	SMSR 19	SMS	Central
601	Convergence-FAP-2	Airave		Varies by SMRE	SMSR 20	SMS	Central
606	Phoenix 1 (Phx-Phoenix-MS-C 1)	Lucent	Mountain	Varies by SMRE	SMSR 21	SMS	Central
610	atlsbc35	SBC	Eastern	Varies by SMRE	SMSR 22	SMS	Central
611	atlsbc36	SBC	Eastern	Varies by SMRE	SMSR 23	SMS	Central
612	chisbc29	SBC	Central	Varies by SMRE	SMSR 24	SMS	Central
613	chisbc38	SBC	Central	Varies by SMRE	SMSR 01	SMS	Central
614	elksbc9	SBC	Eastern	Varies by SMRE	SMSR 02	SMS	Central
615	elksbc17	SBC	Eastern	Varies by SMRE	SMSR 03	SMS	Central
616	nysbc24	SBC	Eastern	Varies by SMRE	SMSR 04	SMS	Central
618	nysbc38	SBC	Eastern	Varies by SMRE	SMSR 05	SMS	Central

Legacy Sprint NEID List by NEID - continued

ID	Switch Name	Switch Vendor	Time Zone
Varies by SMRE	SMSR 06	SMS	Central
Varies by SMRE	SMSR 07	SMS	Central
Varies by SMRE	SMSR 08	SMS	Central
Varies by SMRE	SMSR 09	SMS	Central
Varies by SMRE	SMSR 10	SMS	Central
Varies by SMRE	SMSR 11	SMS	Central
Varies by SMRE	SMSR 12	SMS	Central
Varies by SMRE	SMSR 13	SMS	Central
Varies by SMRE	SMSR 14	SMS	Central
Varies by SMRE	SMSR 15	SMS	Central
Varies by SMRE	SMSR 16	SMS	Central
Varies by SMRE	SMSR 17	SMS	Central
Varies by SMRE	SMSR 18	SMS	Central