

FILED
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PUBLIC SERVICE
COMMISSION

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

CASE NO.
2008-00135

COMPLAINT OF SPRINT COMMUNICATIONS
COMPANY LP AGAINST BRANDENBURG
TELEPHONE COMPANY AND REQUEST FOR
EXPEDITED RELIEF

**SPRINT COMMUNICATIONS COMPANY L.P.'s OBJECTIONS AND
RESPONSES TO BRANDENBURG TELEPHONE COMPANY'S DATA REQUESTS**

Sprint Communications Company, L.P. ("Sprint"), by and through its counsel, and pursuant to the August 1, 2008 Order entered by the Kentucky Public Service Commission ("KPSC" or "Commission") in this matter, hereby submits the following Objections and Responses to the data requests propounded by Brandenburg Telephone Company ("Brandenburg ") on August 8, 2008.

General Objections

Sprint makes the following general objections. Although specifically referred to in some of Sprint's responses, these General Objections apply to each of the data requests and are incorporated by reference into Sprint's responses.

1. Sprint objects to these data requests insofar as they are vague, ambiguous, overly broad, imprecise, or utilize terms that are subject to multiple interpretations, but are not properly defined or explained for purposes of these data requests. Sprint objects to such data requests as irrelevant, overly broad, unduly burdensome, and oppressive.

2. Sprint objects to these data requests insofar as they are not reasonably calculated to lead to the discovery of admissible evidence and are not relevant to the subject matter of this

action.

3. Sprint objects to providing information to the extent that such information is already in the public record before the Commission or elsewhere.

4. Sprint objects to these data requests to the extent that responding would be unduly burdensome, expensive, oppressive, or excessively time-consuming.

5. Sprint objects to these data requests to the extent the information requested constitutes confidential information. To the extent the data requests seek proprietary confidential information, Sprint will make such information available pursuant to an appropriate protective agreement, subject to any other general or specific objections contained herein.

6. Sprint Communications Company L.P. is a large corporation with employees located in numerous locations. In the course of business, these companies create countless documents that are not subject to Sprint or Federal Communications Commission (“FCC”) retention of records requirements. These documents are kept in numerous locations that are frequently moved from site to site as employees change jobs or as the business is reorganized. Therefore, it is possible that not every document will be provided in response to these requests. Rather, Sprint’s responses will provide, subject to any applicable objections, all of the information obtained by Sprint after a reasonable and diligent search conducted in connection with these requests. Sprint will conduct a search of those files that are reasonably expected to contain the requested information. To the extent the discovery requests purport to require more, Sprint objects on the grounds that compliance would impose an undue burden and expense.

7. Any responses will be provided subject to, and without waiver of, the foregoing objections. Sprint will make full or partial responses to the extent reasonably possible consistent with these objections.

SPECIFIC OBJECTIONS AND RESPONSES

DATA REQUEST NO. 1:

Please identify all of the NPAs in Kentucky, Indiana and any other state associated with switch "540" identified in the "Brandenburg Traffic Study" conducted by Sprint and provided to Brandenburg on August 1, 2008.

SPRINT'S OBJECTION/RESPONSE: Sprint objects to this Data Request on the grounds that it is not relevant to the subject matter of this action (General Objection 2) and on the grounds that it is overly broad (General Objection 1), and unduly burdensome (General Objection 4). In addition, Sprint objects to this Data Request to the extent that it seeks information that is already publically available (General Objection 3). Subject to and without waiving Sprint's objections, Sprint's response is as follows: The list of NPAs associated with the "switch 540 identified in the Brandenburg Traffic Study" includes NPAs 217, 219, 317, 419, 502, 513, 606, 614, 618, 812, 423, 330, 765, 937, 931, 740, 270, 859, 731, 567, 260, and 574.

RESPONDENTS: Julie Walker
Tammy Aines

DATA REQUEST NO. 2:

Please identify with specificity the CLLI or other switch designator, "Orig switch number" (as used in the Brandenburg Traffic Study) and physical address of any and all Sprint switches in

Kentucky, Tennessee, Ohio and Indiana that may serve as the initial entrance point into the Sprint network for calls originated in Kentucky and for calls originated in another state. Please identify the other state(s) in your answer.

SPRINT'S OBJECTION/RESPONSE: Sprint objects to this Data Request on the grounds that it is not relevant to the subject matter of this action (General Objection 2) and on the grounds that it is overly broad (General Objection 1), and unduly burdensome (General Objection 4). In addition, Sprint objects to this Data Request to the extent that it seeks proprietary confidential information (General Objection 6). Subject to and without waiving Sprint's objections, Sprint's response is as follows: See Sprint CONFIDENTIAL Attachment DR-2.

RESPONDENTS: Julie Walker
Tammy Aines

DATA REQUEST NO. 3:

Please explain in detail how Sprint jurisdictionalizes calls to the switches identified in response to Data Request No. 2 when the switches serve as the initial entrance point into the Sprint network.

SPRINT'S OBJECTION/RESPONSE: Sprint objects to this Data Request on the grounds that it is not relevant to the subject matter of this action (General Objection 2). In addition, Sprint objects to this Data Request to the extent that it seeks or calls for information or documents that are not in existence as of the date of the data requests (General Objection 6). Subject to and without waiving Sprint's objections, Sprint's response is as follows: For landline originated calls, Sprint's Message Processing System (MPS) utilizes the originating NPA-NXX to populate the originating state and LATA codes. For wireless originated calls, Sprint's MPS utilizes the serving wire center NPA-NXX to populate the originating state and LATA codes. Sprint's Call Detail Synergies (CDS) system houses the jurisdictional reporting system logic. The CDS system compares the MPS fields Orig. LATA and State to the Term. LATA and State fields. If

those two are equal, the call is marked as intrastate. Otherwise, the call is classified as interstate.

RESPONDENTS: Mary Sandoy
Greg Costigan

DATA REQUEST NO. 4:

Please explain how Sprint determines which switch routes CMRS traffic that is originated and terminated within an MTA along a state border.

SPRINT'S OBJECTION/RESPONSE: Sprint objects to this Data Request on the grounds that it is not relevant to the subject matter of this action (General Objection 2). In addition, Sprint objects to this Data Request to the extent that it seeks or calls for information or documents that are not in existence as of the date of the data requests (General Objection 6). Subject to and without waiving Sprint's objections, Sprint's response is as follows: From both a CDMA and iDEN network perspective, Sprint determines which switch routes CMRS traffic network, based on the following factors a) FCC License (MTA); b) network facility costs; c) LATA boundaries and d) state boundaries.

RESPONDENTS: Stan Skipworth
Karl Wagner

DATA REQUEST NO. 5:

Please explain the circumstances under which a landline call originated in Kentucky and terminated to a Brandenburg Telephone number in Kentucky would be jurisdictionalized by Sprint as interstate.

SPRINT'S RESPONSE: Sprint fully supports and complies with the FCC position that the physical points of origination and termination of the call must be used to determine its jurisdiction. There are no situations where a landline-originated call that originates and

terminates in the same state should be classified as Interstate. It will be noted in the output file for the traffic study conducted for August 2008 there are a very small number of landline-originated calls with Kentucky originating and terminating NPAs that Sprint's logic classifies as Interstate. These calls are for customers using a Sprint ISDN VPN (Integrated Services Digital Network Virtual Private Network) business product with a special access dedicated circuit at the originating end. With this product and arrangement, the customer can send originating ANI information per their own specifications. As a result, Sprint's system logic ignores the originating telephone number in determining jurisdiction and instead utilizes the originating serving wire center NPA-NXX to identify the physical point of origination for the call. In all cases, the calls physically originated in states other than Kentucky, despite the originating ANI information. It should be noted that in the traffic study output file, these calls account for an immaterial percentage of the traffic. The 21 calls comprise .07% (seven hundredths of one percent) of the total calls in the traffic study, with 31 minutes representing .02% (two hundredths of one percent) of the traffic volume.

In the initial traffic study provided to Brandenburg Telephone for the May 2008 time period, there was a larger number of calls flagged as landline-originated, where the originating NPA was a Kentucky NPA and the call had been assigned an Interstate jurisdiction by Sprint. This was due to an inadvertent omission in the output file. It did not contain the field WOM-ORIG-LINE-SRCE-IND, an additional indicator needed to identify if a call originated from a wireless handset or a landline phone. The WOM-ORIG-LINE-SRCE-IND is derived by Sprint's message processing system by looking up the originating NPA-NXX in a reference table of LERG data to see if the NPA-NXX is assigned to a cellular company. Because this field was missing in the original output file, a subset of wireless-originated calls was mistakenly identified in the

"Origination" field in the traffic study file as landline-originated. This omission was corrected with the August 2008 output file. It should be noted that the accuracy of the underlying data (i.e. the determination of the appropriate jurisdiction), and the resulting PIU factors are not affected by this error. Only the grouping of the data in the May traffic study output file was affected. Both the initial study and the subsequent study duly support Sprint's filed PIU factors.

RESPONDENTS: Regina Roach
Greg Pollock

DATA REQUEST NO. 6:

Please identify with specificity the CLLI or other switch designator, "Orig switch number" (as used in the Brandenburg Traffic Study) and physical address of any and all Sprint wireless switches in Kentucky, Tennessee, Ohio and Indiana.

SPRINT'S OBJECTION/RESPONSE: Sprint objects to this Data Request on the grounds that it is not relevant to the subject matter of this action (General Objection 2) and unduly burdensome (General Objection 4). Subject to and without waiving Sprint's objections, Sprint's Response is as follows: See Sprint CONFIDENTIAL Attachment DR-6.

RESPONDENTS: Julie Walker
Tammy Aines

DATA REQUEST NO. 7:

Please identify with specificity the site name and physical address of all Sprint cellular telephone sites in Kentucky, Tennessee, Ohio and Indiana.

SPRINT'S OBJECTION/RESPONSE: Sprint objects to this Data Request on the grounds that it is not relevant to the subject matter of this action (General Objection 2) and on the grounds that it is overly broad (General Objection 1), and unduly burdensome (General Objection 4). Subject to and without waiving Sprint's objections, Sprint's Response is as follows: See Sprint

CONFIDENTIAL Attachment DR-7. It should be noted that Attachment DR-7 includes sites that are not located in Kentucky, Tennessee, Ohio and Indiana. These sites were included on the list as they are located in bordering states and serve customers in Kentucky, Tennessee, Ohio and Indiana.

RESPONDENTS: Ty Sloffer
Fama Lo
Erin Warner
Carson Smith
Shane Parkerson
Brian Robbins

DATA REQUEST NO. 8:

Please explain in detail the methodology Sprint utilized to assign the state LATA indicator in the call detail records generated by Sprint and reported to Brandenburg Telephone in the Brandenburg Traffic Study.

SPRINT'S OBJECTION/RESPONSE: Sprint objects to this Data Request on the grounds that it is unduly burdensome (General Objection 4). In addition, Sprint objects to this Data Request to the extent that it seeks or calls for information or documents that are not in existence as of the date of the data requests (General Objection 6). Subject to and without waiving Sprint's objections, Sprint's response is as follows: The State and LATA fields on the call detail records are based on a V&H Table lookup. This V&H Table is created from a Corporate Exchange Architecture System (CEAS) feed which is updated weekly. CEAS is a repository for data pertaining to NPA, NXX, LATA, CLLI codes and equipment types, and is updated monthly via LERG updates.

RESPONDENT: Greg Costigan

DATA REQUEST NO. 9:

Please explain in detail how Sprint prepared the Brandenburg Traffic Study. Your answer should include the source of the call detail records used as the basis of the Traffic Study, identify all of the types of traffic included in the Traffic Study and identify all of the types of traffic excluded from the Traffic Study.

SPRINT'S OBJECTION/RESPONSE: Sprint objects to this Data Request on the grounds that it seeks or calls for information or documents that are not in existence as of the date of the data requests (General Objection 6). Subject to and without waiving Sprint's objections, Sprint's response is as follows: As Call Detail Records (CDRs) complete their processing over the Sprint/Nextel Network, the raw CDR is batched and sent to Message Processing System (MPS) for processing. MPS takes this raw data, processes the CDRs and distributes to one of four main source files in a 782 byte format. The four source files are: SUSP, ABSD, NBAX and HSTO and are created daily from all switches associated on the network. The SUSP file contains CDRs that suspended in MPS during processing due to a wide variety of reasons, and await correction before continuing to billing. Once the suspended CDRs are corrected they will then be passed to the next available HSTO file for distribution to downstream billing applications. The ABSD file contains all suspected abused CDRs, this file is very low in the number of CDRs captured on a daily basis. The NBAX file contains CDRs that are deemed not billable for several reasons, i.e. zero duration, forced disconnect, un-billable trunk class, etc...The HSTO file contains all CDRs that successfully processed through MPS and distributed to one of many downstream billing applications. This file is used exclusively for the extraction of CDRs used in traffic studies. Traffic studies are requested using either the Originating CLLI Code or Terminating CLLI Code for a specific date range, (CLLI = Common Language Location Indicator). Using a specific field with a specific value contained on the CDR quickly eliminates billions of CDRs that fail to meet this basic criteria and capture only CDRs with the requested value. The requested CDRs are then copied into a unique dataset with key fields identified for the purpose of creating a report of this

data. This report provides a quick glance of all activity from an historical perspective covering the date range of the extraction. The report includes: Date, CLLI Code, Dialed Phone Number, Called Phone Number, Originating Phone Number, Orig Info Digits, Originating Line Source Indicator, State LATA Indicator (Jurisdiction), Originating Switch, Originating Trunk, Duration in Seconds, Duration in Minutes and the number of CDRs, in addition to other requested information. See Attachment DR-9 for additional information regarding the origin and source of the various CDR fields.

RESPONDENTS: Julie Walker
Gregg Pollock

DATA REQUEST NO. 10:

Please explain how Sprint populated the "originating information digits" in the Brandenburg Traffic Study.

SPRINT'S OBJECTION/RESPONSE: Sprint objects to this Data Request on the grounds that it seeks or calls for information or documents that are not in existence as of the date of the data requests (General Objection 6). Subject to and without waiving Sprint's objections, Sprint's response is as follows: The Information Digits (a.k.a. Originating Line Identification) are provided in the SS7 Initial Address Message (IAM). Please see Sprint Attachment DR-10.

RESPONDENTS: Jerry Jordan
Tammy Aines

DATA REQUEST NO. 11:

Please identify the CLLI or other switch designator and "Orig switch number" (as used in the Brandenburg Traffic Study) of the Sprint switch used to terminate traffic to Brandenburg Telephone pursuant to the CMRS Interconnection Agreement between Sprint Spectrum and Brandenburg Telephone approved by the Commission with an effective date of September 29, 2005.

SPRINT'S OBJECTION/RESPONSE: Sprint objects to this Data Request on the grounds that it is not relevant to the subject matter of this action (General Objection 2). In addition, Sprint objects to this Data Request to the extent that it seeks proprietary confidential information (General Objection 6). Subject to and without waiving Sprint's objections, Sprint's response is as follows: See Sprint CONFIDENTIAL Attachment DR-11.

RESPONDENTS: Randy Rezac
Tammy Aines

DATA REQUEST NO. 12:

Please identify by county how many Sprint:

- (a) landline long-distance customers had an address of record in Kentucky as of July 1, 2006.
- (b) wireless customers had an address of record in Kentucky as of July 1, 2006.

SPRINT'S OBJECTION: Sprint objects to this Data Request on the grounds that it is not relevant to the subject matter of this action (General Objection 2) and on the grounds that it is unduly burdensome (General Objection 4). In addition, Sprint objects to this Data Request to the extent that it seeks highly proprietary confidential information (General Objection 6).

DATA REQUEST NO. 13:

Please identify by county how many Sprint:

- (a) landline long-distance customers had an address of record in Kentucky as of July 1, 2008.
- (b) wireless customers had an address of record in Kentucky as of July 1, 2008.

SPRINT'S OBJECTION: Sprint objects to this Data Request on the grounds that it is not relevant to the subject matter of this action (General Objection 2) and on the grounds that it is unduly burdensome (General Objection 4). In addition, Sprint objects to this Data Request to the extent that it seeks highly proprietary confidential information (General Objection 5).

DATA REQUEST NO. 14:

Please identify with specificity the location of Sprint's switch "540" identified in the Brandenburg Traffic Study.

SPRINT'S RESPONSE: See Sprint's Response to Data Request No. 2.

RESPONDENTS: Randy Rezac
Tammy Aines

DATA REQUEST NO. 15:

Provide all terminating call detail records generated by Sprint's switches for traffic terminated by Sprint to Brandenburg Telephone for the week of August 17, 2008 through August 23, 2008.

SPRINT'S OBJECTION/RESPONSE: Sprint objects to this Data Request on the grounds that it is not relevant to the subject matter of this action (General Objection 2). In addition, Sprint objects to this Data Request to the extent that it seeks or calls for information or documents that are not in existence as of the date of the data requests (General Objection 6). In addition, Sprint objects to this Data Request to the extent that it seeks proprietary confidential information (General Objection 5). Subject to and without waiving Sprint's objections, Sprint's response is as follows: See Sprint CONFIDENTIAL Attachment DR-15.

RESPONDENT: Gregg Pollock

DATA REQUEST NO. 16:

Provide terminating call detail records for May 11, 2008 through May 18, 2008 for CMRS traffic terminated by Sprint to Brandenburg Telephone over the interconnection facilities established pursuant to the CMRS Interconnection Agreement between Brandenburg Telephone and Sprint Spectrum and approved by the Commission with an effective date of September 29, 2005.

SPRINT'S OBJECTION/RESPONSE: Sprint objects to this Data Request on the grounds that it is not relevant to the subject matter of this action (General Objection 2). In addition, Sprint

objects to this Data Request to the extent that it seeks or calls for information or documents that are not in existence as of the date of the data requests (General Objection 6). In addition, Sprint objects to this Data Request to the extent that it seeks proprietary confidential information (General Objection 5). Subject to and without waiving Sprint's objections, Sprint's response is as follows: Sprint's Call Detail Record (CDR) Archive is a rolling 90-day database, therefore the detailed records for May 11, 2008 through May 18, 2008 are not available. Sprint is investigating with the assistance of the Information Technology department whether these CDRs can be retrieved from any data source. Based on the results of Sprint's investigation, if Sprint is readily able to generate this data it will be provided as a supplement to this response.

RESPONDENT: Brian Siebert

DATA REQUEST NO. 17:

Specify when Sprint first identified the alleged inaccuracy of the jurisdictionalization of terminating access calls in Brandenburg Telephone's CABs bills to Sprint.

SPRINT'S RESPONSE: Sprint became aware of the industry-wide problem of wireless roaming calls being mis-jurisdictionalized by Local Exchange Carriers (LECs) in 2002. Therefore, Sprint identified Brandenburg as a potential over-biller at that time. Specifically, Sprint identified the inaccuracy of Brandenburg's billing PIU factor on its November 2007 Carrier Access billing to Sprint. At that time Sprint compared the Brandenburg's billed PIU to Sprint's filed PIU factor for that invoice period. This comparison revealed a difference between the two factors of 32% (Sprint filed 93%, and Brandenburg billed 61%). As a result of its finding, Sprint requested a traffic study for the Brandenburg end offices and through this traffic study determined that a subset of originating wireless calls were being mis-jurisdictionalized by Brandenburg.

RESPONDENTS: Julie Walker
Regina Roach

DATA REQUEST NO. 18:

Specify when Sprint first notified Brandenburg Telephone of the alleged inaccuracy of the jurisdictionalization of terminating access calls in Brandenburg Telephone's CABs bills to Sprint.

SPRINT'S RESPONSE: Sprint has always provided Brandenburg with the accurate PIU factor on a quarterly basis by sending them a copy of its filed PIU factor letter. By providing Brandenburg with an accurate PIU factor, Sprint was effectively notifying Brandenburg of its inaccuracy regarding the jurisdictionalization wireless roaming traffic. However, Brandenburg chose to ignore the filed PIU factor letter. Formal notification was delivered to Brandenburg in the form of a dispute for overbilled intrastate access in November Of 2007.

RESPONDENTS: Julie Walker
Regina Roach

DATA REQUEST NO. 19:

Identify any and all companies with which Sprint has resolved a dispute regarding the jurisdictionalization of terminating access calls, and specify the percentage of interstate usage ("NU") established as part of each resolution.

SPRINT'S OBJECTION: Sprint objects to this Data Request on the grounds that it is not relevant to the subject matter of this action (General Objection 2) and on the grounds that it is unduly burdensome (General Objection 4). In addition, Sprint objects to this Data Request to the extent that it seeks proprietary confidential information (General Objection 5).

DATA REQUEST NO. 20:

Identify the PIU factor Sprint and AT&T of Kentucky have agreed to use with regard to CABS bills for terminating access.

SPRINT'S OBJECTION: Sprint objects to this Data Request on the grounds that it is not relevant to the subject matter of this action (General Objection 2). In addition, Sprint objects to this Data Request to the extent that it seeks proprietary confidential information (General Objection 5).

DATA REQUEST NO. 21:

Identify the PIU factor Sprint and Windstream Kentucky East have agreed to use with regard to CABS bills for terminating access.

SPRINT'S OBJECTION: Sprint objects to this Data Request on the grounds that it is not relevant to the subject matter of this action (General Objection 2). In addition, Sprint objects to this Data Request to the extent that it seeks proprietary confidential information (General Objection 5).

DATA REQUEST NO. 22:

Is Sprint's network configured in a manner that would permit it to route a wireline or wireless call originating in Kentucky and terminating to an end-user physically located in Kentucky through a switch located outside of Kentucky so that the call would appear to be interstate in nature? Please explain.

SPRINT'S RESPONSE: No, Sprint's nationwide network is interconnected such that calls from/to similar geographic locations can take differing routes across the network to achieve successful call completion. Regardless of the intermediate routing across Sprint's network, the information representing geographic call origination and termination locations (data used to determine jurisdiction) is not changed.

RESPONDENT: Randy Rezac

DATA REQUEST NO. 23:

Please identify any assumptions or allocation factors that were utilized or applied in the Brandenburg Traffic Study, and please explain in detail how those assumptions or factors were derived or calculated.

SPRINT'S OBJECTION/RESPONSE: Sprint objects to this Data Request to the extent that it seeks or calls for information or documents that are not in existence as of the date of the data requests (General Objection 6). In addition, Sprint objects to this Data Request to the extent that it seeks proprietary confidential information (General Objection 5). Subject to and without waiving Sprint's objections, Sprint's response is as follows: No assumptions or allocation factors were utilized or applied in the traffic study.

RESPONDENTS: Julie Walker
Gregg Pollock

DATA REQUEST NO. 24:

Please produce copies of all documents of any nature whatsoever (paper, electronic, etc.) upon which Sprint relied, or to which Sprint referred, in answering any and all of Brandenburg Telephone's data requests to Sprint.

SPRINT'S OBJECTION: Sprint objects to this Data Request for reasons more specifically set forth in General Objections 2, 3, 5 and 6, which are incorporated herein by reference.

DATA REQUEST NO. 25:

For each data request above, please identify each and every person who provided information to respond to the data request, or who participated in the preparation of the response to the data request.

SPRINT'S RESPONSE: Sprint has identified any person who assisted in the preparation of the answer to the response or who provided information used in preparing the answer to the response.

RESPONDENT: Mary Ellen Hassell

This 29th day of August, 2008.

John N. Hughes / by MDK with permission

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Attorney for Sprint

CERTIFICATE OF SERVICE

I certify that the Responses of Sprint Communications Company L.P. have been served by first class mail on John Selent and Edward Depp, Dinsmore & Shohl, 1400 PNC Plaza, 400 West Jefferson Street, Louisville, KY 40202, this 29th day of August, 2008.

This 29th day of August, 2008.

John N. Hughes / by MNL with permission

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COMPLAINT OF SPRINT COMMUNICATIONS COMPANY L.P.
 AGAINST BRANDENBURG TELEPHONE COMPANY
 SPRINT'S RESPONSE TO BRANDENBURG'S FIRST SET OF DISCOVERY
 QUESTION NO. 9

<i>Field on CDR</i>	<i>Origin of Population</i>	<i>Source</i>
Orig. Date	Switch	Switch Clock
Orig./Term. CLLI	CVHM Table, Information Provided by CEAS	
Dialed Telephone Number	Switch	SS7 IAM Called Party Number Parameter
Called Telephone Number	Switch	
Orig. Phone Number	Switch	SS& IAM Calling Party Number or Charge Number Parameter (if both, CHG is used)
Orig. Info. Digits	Switch	SS& IAM Originating Line Identification Parameter
State LATA Ind.	MPS Update Module, Based on CVHM Table Information Provided by CEAS	
Orig. SWC NPA	TGIN Table	
Orig. SWC NXX	TGIN Table	
Orig. UOI Sree (Switch Number)	Switch	
Orig. Trunk	Switch	Switch; Table CLLICDR
Orig. OPCO Num	CVHM Table, Information Provided by CEAS	
Term. OPCP Num.	CVHM Table, Information Provided by CEAS	
Dur. Secs (Seconds)	Switch	Switch Clock
Minutes	Calculation Performed by Microsoft Excel	
Number of Calls	Report Logic Built in the STM2 Utility Program	

SPRINT ATTACHMENT DR-10

Example of an Initial Address Message (IAM) with Information Digits (a.k.a. Originating Line Identification)

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15:09:29.657 Link: ->CHC301-KSC121/01
  BSN: 41 FSN:33
  SI: ISUP
  SSF: NN DPC: KSC121 OPC: 249-126-3 5/8-bit SLS: 20
  CIC: 420
  MT: IAM
  Called Party Number Length: 7 octets
    Nature of Address Indicator: National (significant) num
    Address Signal: 9259440020
  Calling Party Number Identifier
    Nature of Address Indicator: Unique national number
    Address Signal: 9136632845
Originating Line Information Identifier
  Originating Line Information: Plain Old Tel Ser (00)
  Charge Number Identifier
    Nature of Address Indicator: Calling party national num
    Address Signal: 9136632845
    Hop Counter Value: 15
  Carrier Identification Identifier
    Digits: 0333
  Jurisdiction Information Identifier
    Address Signal: 913451
  
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1 | | |ANSI.92.LAP
1 | 1|0101001 |Backward Indicator Bit, Backward Sequence Number
2 | 1|0100001 |Forward Indicator Bit, Forward Sequence Number
3 | 00|1111111 |Length Indicator (LI) - MSU
4 | | |ANSI.96.MTP
4 | 1000|0101 |ISUP message, National network, priority 0
5 | 0111 1101 |24 Bit Destination Point Code (DPC): Member = 125 dec, 7D hex
6 | 1100 0000 | Cluster = 192 dec, C0 hex
7 | 1111 1101 | Network = 253 dec, FD hex
8 | 0000 0011 |24 Bit Originating Point Code (OPC): Member = 3 dec, 03 hex
9 | 0111 1110 | Cluster = 126 dec, 7E hex
10 | 1111 1001 | Network = 249 dec, F9 hex
11 | 000|10100 |5/8 Bit Signaling Link Selection (SLS): 20 dec,14 hex
12 | | |ANSI.2000.ISUP
12 | 1010 0100 |14 bit Circuit Identification Code (CIC)
13 | 00|0000001 |14 bit Circuit Identification Code (CIC); 2 bits spare
14 F| 0000 0001 |MT = Initial Address Message(IAM)
15 F| 0000 0000 | Nature of Connection Indicators Parameter Value
16 F| 0010 0000 | NotIncomingInt/NoEndtoEnd/NoInterworking/AllISUP/ISUPprefdAllWay
17 F| 0000 0000 | NonISDNOrigAcc/NoIndicator/NumNotTrans/NoQoRAattempt
18 F| 0000 1010 | Calling Party Category = ordinary calling subscriber
19 V| 0000 0011 |Pointer to mandatory variable parameter = 3 octet(s)
20 V| 0000 0110 |Pointer to mandatory variable parameter = 6 octet(s)
21 V| 0000 1101 |Pointer to start of optional part = 13 octet(s)
22 V| 0000 0011 |LI of User Service Information Parameter = 3 octet(s)
23 V| 100|00000 | Coding Std. = ITU-T, IT Cap. = speech
24 V| 100|10000 | Transfer Mode = circuit, Info. Rate = 64 kbit/s
25 V| 101|00010 | Layer 1, Protocol = Rec. G.711 u-law
26 V| 0000 0111 |LI of Called Party Number Parameter = 7 octet(s)
27 V| 0|0000011 | Nature of address = national (significant) number
28 V| 0|0010000 | NP = ISDN
29 V| 0010|1001 | Address Signal = 9259440020
  
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30 V| 1001|0101 | Address Signal
31 V| 0100|0100 | Address Signal
32 V| 0000|0000 | Address Signal
33 V| 0000|0010 | Address Signal
34 O| 0000 1010 |Calling Party Number Parameter
35 O| 0000 0111 |LI of Calling Party Number Parameter = 7 octet(s)
36 O| 0|0000011 | Nature of address = unique national (significant) number
37 O| 0001|0011 | NP = ISDN; Pres = allowed; Scr = network provided
38 O| 0001|1001 | Address Signal = 9136632845
39 O| 0110|0011 | Address Signal
40 O| 0011|0110 | Address Signal
41 O| 1000|0010 | Address Signal
42 O| 0101|0100 | Address Signal
43 O| 1110 1010 |Originating Line Information Parameter
44 O| 0000 0001 |LI of Originating Line Information Parameter = 1 octet(s)
45 O| 0000 0000 | Orig. line info.= Plain Old Telephone Service (POTS)
46 O| 1110 1011 |Charge Number Parameter
47 O| 0000 0111 |LI of Charge Number Parameter = 7 octet(s)
48 O| 0|0000011 | Nature of address = ANI of calg party,national number
49 O| 0001|0000 | NP = ISDN
50 O| 0001|1001 | Address Signal = 9136632845
51 O| 0110|0011 | Address Signal
52 O| 0011|0110 | Address Signal
53 O| 1000|0010 | Address Signal
54 O| 0101|0100 | Address Signal
55 O| 1110 1110 |Carrier Selection Information Parameter
56 O| 0000 0001 |LI of Carrier Selection Information Parameter = 1 octet(s)
57 O| 0000 0001 | CSI = presubscribed,not input by calling party
58 O| 0011 1101 |Hop Counter Parameter
59 O| 0000 0001 |LI of Hop Counter Parameter = 1 octet(s)
60 O| 000|01111 | Value = 15
61 O| 1100 0101 |Carrier Identification Parameter
62 O| 0000 0011 |LI of Carrier Identification Parameter = 3 octet(s)
63 O| 0010|0010 | Type of Network Id = national, Network Id Plan= 4 digits
64 O| 0011|0000 | Digits = 0333
65 O| 0011|0011 | Digits
66 O| 1100 0100 |Jurisdiction Information Parameter
67 O| 0000 0011 |LI of Jurisdiction Information Parameter = 3 octet(s)
68 O| 0001|1001 | Address signals = 913451
69 O| 0100|0011 | Address signals
70 O| 0001|0101 | Address signals
71 O| 0000 0000 |End of optional parameters fields indicator