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August 28, 2002

Mr. Thomas J. Sugrue  
Chief, Wireless Telecommunications Bureau  
Federal Communications Commission  
445 12 th Street, SW  
Washington, DC 20554

**Re: CC Docket No. 94-102 In the Matter of Revision of the Commission's  
Rules to Ensure compatibility with Enhanced 911 Emergency Calling  
Systems**

Dear Mr. Sugrue:

In response to your July 29, 2002 letter requesting responses to E911 ILEC information requests, Sprint respectfully submits the following responses to specific questions and attached excel spreadsheets entitled Database Services.xls and FCC911.xls. As described, Sprint has a national ALI database that is scheduled to be upgraded by October 15, 2002. The national database has been tested with wireless database third-party vendors Intrado and TCS and will be available for testing with any wireless carrier, PSAP, or third-party vendor operating in Sprint LTD territory by mid-October. The interface will be available for launch of live E911 Phase II service to customers by Mid-October 2002.

Sprint hopes that this information will prove useful in the implementation of E911 capability.

If you have any questions concerning these responses, please do not hesitate to contact me.

Sincerely,

/S/

Jay C. Keithley

Attachments

1. For each ALI database operated by your company, please identify:
  - a. The database, including its location (by city and state, or by geographic region served by the database).

*Sprint's redundant national ALI database is located in Johnson City and Bristol, Tennessee. In order for a Sprint LTD-hosted PSAP to receive Phase II wireless, the PSAP must be connected to the national ALI database. If the PSAP chooses to maintain its own wireline database, it can connect to the national database for wireless ALI delivery or deploy its own connectivity to the wireless database providers. In Kansas and Missouri, the counties maintain their ALI databases and Sprint provides the PSAPs with update records for populating their database. Sprint plans to transition many of the Kansas and Missouri counties to the national ALI database in 2003. For purposes of this request, county managed and operated ALI databases were not included. Refer to attached spreadsheet **Database Services.xls**.*

- b. All PSAPs served by the database (by jurisdiction)  
*Refer to attached spreadsheet **Database Services.xls**.*
  - c. The type of interface that your company has installed, or will install, to support passage of Phase II information to PSAPs (e.g., E2, E2+, modified PAM).

*Sprint has installed a modified PAM interface between third party wireless database providers Intrado and TCS and the Sprint LTD National ALI database. Sprint LTD uses a frame relay network to deliver ALI from the national ALI database to the PSAP.*

- d. The routing solution(s) that the interface will support (e.g., NCAS wireline compatibility mode).

*The routing solution supported by Sprint LTD for Phase II wireless is NCAS.*

- e. The dates by which:
    - i. Any necessary database upgrades will be completed;  
*Database upgrades are ongoing. The database is scheduled to be 100% converted by October 15, 2002. At that time, phase II wireless data elements can be delivered to the PSAP.*
    - ii. The interface will be available for any necessary testing with CMRS carriers, PSAPs, or third-party vendors; and  
*Interface testing with wireless database third-party vendors*

*Intrado and TCS took place during July and August 2002. By mid-October, the database will be available for testing with any wireless carrier, PSAP, or third-party vendor operating in our territory.*

- iii. The interface will be available for launch of live E911 Phase II service to consumers.  
*Mid-October, 2002*

- f. If unable to identify any of the dates specified in (e), the specific reasons for such inability.

- 2. For each ALI database operated by your company, specify:
  - a. The type of data each database will be capable of receiving (e.g., latitude and longitude, confidence factor, uncertainty factor, and address information);

*Answered under question 2.b.*

- b. The format in which your company expects to receive data (i.e., what data fields will be used and which data will be required in each field); and

*The national ALI database will be capable of receiving phase II data elements in the following format:*

PAM Second Supplemental Character Placement.

Description	Pam Position	Characters	Comments
Latitude sign	673	1	+ equals North, - equals South
Latitude	674	10	in format of 000.000000
Space	684	1	
Longitude sign	685	1	+ equals East, - equals West
Longitude	686	10	in format of 000.000000
Space	696	1	
Confidence	697	3	0 to 100, 0 equals no information.
Space	700	1	
Uncertainty	701	7	0 - 1800000 meters
Space	708	1	
Altitude sign	709	1	0 equals above, - equals below
Altitude	710	5	0 to 65406 meters
Space	715	1	
Alt uncertainty	716	4	0 to 1000 meters

Following is a copy of the Phase II wireless PSAP Screen.

**NCAS CALL**

```

          1                               2                               3
    1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2
0
1W A R N I N G - L I N E - - - - -
2CPN                               H H : M M : S S   M M D D Y Y Y Y
3C U S T O M E R - N A M E - - - - -
4N N N N N N N N N N N   T T T   D D D                               C L A S
5S T R E E T - N A M E - - - - -
6S T R ( C O N T )   S U F X   D I R _ L E C _ - - - - -
7C O M M U N I T Y - - - - -                               S T
8B L D G _ - - - - -
9U N I T _ - - - - -   F L R _ - - - - -   E S N _ - - - - -
10P CPN                               A L T # PSEUDO TN
11X - - - - - _ Y - - - - - _ C F C O N
12U N C - - - - - _ Z - - - - - _ Z U N C - - - - -
13L A W - - - - -                               N X X - X X X X
14F I R E - - - - -                               N X X - X X X X
15E M S - - - - -                               N X X - X X X X

```

Whether the database will be capable of requesting updated location information (i.e., refresh capability).

*The database will be capable of requesting a rebid that refreshes the screen if the phase II data elements did not deliver at the time the ALI was delivered to the PSAP screen. The database will not be capable of providing dynamic updates to a refresh.*

*The interface requirements to refresh the screen with dynamic updates will be provided to the database vendor for their development in early 2003. Dynamic updates will be available by year-end 2003.*

3. Identify the manner in which your company expects wireless carriers, public safety entities, and/or third party vendors to interconnect with the ALI databases and selective routers your company operates (e.g., specific trunking and messaging requirements). In particular, please:
  - a. Specify whether specific trunk ordering procedures are in place.

- i. If so, indicate the standard interval for delivery of trunks (measured in business day).|

*Sprint LTD has specific trunk ordering procedures in place and wireless carriers and public service entities are advised of those procedures. The minimum trunk delivery time is 6 business days and the standard interval for delivery of trunks is 30 business days.*

*Reference attached Excel Spreadsheet **FCC911 Request.xls** identifying the manner in which Sprint LTD expects wireless carriers, public safety entities, and/or third party vendors to interconnect to the Sprint LTD provided Selective Routers.*

*Wireless carriers and third party vendors will access the national ALI database through the frame relay network in place between Intrado and TCS. Public safety entities (PSAPS) will use their existing frame relay network to interface the national ALI database. There are no special requirements trunk requirements for Phase II ALI delivery.*

- b. Specify whether Emergency Services Routing Key (ESRK)/Emergency Services Routing Digits (ESRD) policy or assignment procedures are in place.

*Sprint LTD has a policy in place that specifies that the Emergency Services Routing Key (ESRK) or the Emergency Services Routing Digits (ESRD) is to be supplied by the wireless carrier.*

4. Explain how the costs of upgrades to facilities operated by your company (e.g., ALI database, selective router, trunking) necessary to support wireless E911 will be recovered (e.g., through tariffs, contracts or other arrangements). Please specify whether the mechanism for recovering these costs is currently in place, or, if not, when it will be in place.

*Sprint is in the process of identifying wireless costs and their recovery. At this time, Sprint does not know if there will be new charges for connectivity to wireless carrier databases. A decision has not been made regarding pass through charges when Sprint is the host database provider. Sprint continues to investigate the requirements to provide phase II wireless service. Sprint expects its first tariff including phase II wireless charges to be submitted by the end of September. Sprint does not anticipate charging wireless carriers.*