



July 10, 2002

*Via ECFS Electronic Filing*

Marlene H. Dortch, Secretary  
Federal Communications Commission  
Office of the Secretary  
445 12th Street, SW  
Washington, DC 20554

**Re: CC Docket No. 94-102 / Quarterly TTY Implementation Report  
Horizon Personal Communications, Inc.  
Broadband PCS Station KNL580  
BTA080 C1 – Chillicothe, Ohio**

Dear Ms. Dortch:

Horizon Personal Communications, Inc. ("Horizon") hereby submits its final quarterly report on implementation of TTY access to 9-1-1 over its digital wireless network, pursuant to the Commission's *Fourth Report and Order* in CC Docket No. 94-102, released December 14, 2000.

Horizon has chosen CDMA technology for its broadband PCS system and has configured its network to operate in conjunction with the Sprint PCS network. In this regard, appropriate software upgrades to provide TTY capability in Horizon's network were installed in June of this year.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read "M. Skocik", is written over the typed name.

Monesa S. Skocik  
Vice President - External Affairs

Horizon Personal Communications, Inc.  
Final E911 TTY Device Capability Report

I. DEVELOPMENT ACTIVITIES

- 1) **Network Infrastructure Software Development** – Horizon has chosen CDMA technology for its broadband PCS system because it has entered into an affiliation arrangement with Sprint PCS. Appropriate software upgrades to provide TTY capability in Horizon’s CDMA network were installed prior to the June 30, 2002 digital TTY implementation deadline.
- 2) **Handset Development and Testing Plans** – Horizon has been following TTY capable handset development and interoperability testing that is being performed by Sprint PCS. Horizon’s CDMA customers are able to purchase TTY capable handsets and equipment through our retail stores, or online from Sprint PCS. The following TTY capable handsets have been tested by Sprint PCS:
  - PCS Phone by Samsung A400
  - PCS Phone by Sanyo 6200
  - PCS Phone by Kyocera 1135
  - PCS Phone by LG 1010
  - PCS Phone by LG 4NE1
  - PCS Phone by Audiovox 9155
- 3) **Beta Testing and Lab Testing** – Horizon is a small carrier, and is looking to Sprint PCS and its equipment manufacturers to conduct full beta and lab testing of network software, handsets and infrastructure equipment. In this regard, Sprint PCS has performed interoperability testing with all of its infrastructure vendors in both a laboratory and a field environment. Sprint PCS has also completed three live network user trials (beta test) with deaf/hard of hearing user groups.
- 4) **Release and General Availability to Carriers of Network Infrastructure Software** – See answer to #1, above. We also direct the Commission’s attention to recent TTY status report filed by Sprint PCS, included in a report filed by ATIS/TTY Forum in CC Docket No. 94-102.
- 5) **Availability to Carriers of Full Digital Acceptance Test Units** – As discussed above, at least six TTY-capable CDMA handsets are available to Horizon and its customers.
- 6) **Efforts Toward Achieving Digital Wireless Solution Compatibility with Enhanced TTY** – Dependent on handset vendors for enhanced TTY devices.

## II. TESTING AND DEPLOYMENT ACTIVITIES

- 7) **Carrier Coordination of Testing with PSAP** – Horizon is relying on the ATIS-sponsored TTY Technical Standards Incubator (TTSI) program to coordinate PSAP testing with the help of NENA and APCO.
- 8) **Carrier Testing Activities, Including Field Testing, Consumer and End-to-End Testing, and Other Necessary Tests** – TTY testing activities on our Nortel CDMA network will be performed in accordance with procedures developed by Sprint PCS. Sprint PCS is actively participating in the ATIS TTSI program and has reported that interoperability tests are ongoing.
- 9) **Retail Availability of Necessary Consumer Equipment** – Subject to availability from Sprint PCS, PVT's CDMA customers are able to purchase TTY capable handsets and equipment through our retail stores, or online from Sprint PCS. The following TTY compatible phones are currently available to PVT's retail customers:
  - PCS Phone by Samsung A400
  - PCS Phone by Sanyo 6200
  - PCS Phone by Kyocera 1135
  - PCS Phone by LG 1010
  - PCS Phone by LG 4NE1
  - PCS Phone by Audiovox 9155
- 10) **Geographic Scope of Network Infrastructure Deployment** – Since our CDMA network has only one switch, TTY capability was available across our whole network once the appropriate software upgrades were installed.