



SPRINT WHOLESALE SIGNALING SYSTEM 7SM (SS7)

Sprint Wholesale Signaling System 7 provides SS7 messaging on voice calls sent from your switch to the Sprint network for improved service efficiencies and reduced signaling costs. Use this product to expand SS7 service outside your region — and even terminate globally — with fast call setup and messaging. The Sprint SS7 backbone offers multiple signal transfer points (STPs) for full redundancy, and two international Sprint STPs support access to C7 international standards throughout the world.

The SS7 signaling protocol utilizes an overlay, out-of-band messaging network to perform call processing and network control functions for multiple voice channels over a single signaling channel. Out-of-band signaling frees the entire bandwidth of voice facilities for the competitive advantage of improved network utilization.

Sprint Wholesale SS7 is available for the following Sprint Wholesale products:

- ▶ Dedicated Outbound
- ▶ Dedicated Outbound Extension
- ▶ Dedicated Inbound
- ▶ Dedicated Inbound Extension
- ▶ Customized Network Routing (CNR)

The Sprint Wholesale SS7 services are provided over a digital, fiber-optic backbone network using a digital switching architecture and supported by sophisticated management control systems. These elements provide a highly reliable and redundant network. The design of the Sprint network enables survivability at the backbone or transmission level and the service level.



Features

Sprint Wholesale SS7 adds value to your network with the following features:

- ▶ Direct interconnection of your SS7 network with Sprint SS7 network
- ▶ Transports the SS7 call setup message and receives the voice traffic associated with that message
- ▶ Call setup establishes connection in virtually less than 1.5 seconds
- ▶ Compliant with Telcordia GR-246, GR-394 and GR-444 standards to ensure interoperability between different SS7 networks in the United States

Benefits

Enjoy the advantages that Sprint Wholesale SS7 brings to your voice network.

- ▶ Improve network efficiencies with fast call setup and refined call control
- ▶ Increase information transfer and flexibility for call connections
- ▶ Connect directly to the Sprint SS7 network
- ▶ Deliver compatible communications services worldwide using the global telecommunications standard defined by the International Telecommunication Union (ITU)
- ▶ Make efficient use of voice trunks because the signaling path is separate from the voice path
- ▶ Take advantage of 24 x 7, state-of-the-art monitoring system for assured network reliability

Applications

For every long-distance call, the Local Exchange Carrier (LEC) sends call information to the interexchange carrier (IXC). Sprint uses this information to verify if the terminating location is available and to establish a path for the call. Once the call is answered, SS7 messaging starts tracking for billing and monitors call status. When the called party hangs up, the SS7 message ends the billing tracking and disconnects the call.

Availability

Sprint Wholesale SS7 is available throughout the United States.

For more information about Sprint Wholesale Signaling System 7, talk to your Sprint account representative today, or, call 1 800 788-3240.

Visit Sprint Wholesale on the Internet: www.sprint.com/wholesale

