



DATA SHEET



KEY BENEFITS

Reliability

Largest private SS7 network in the world provides greater link diversity, efficient routing, and direct access to all the Regional Bell Operating Companies (RBOCs) and major Incumbent Local Exchange Carriers (ILECs) for Local Access and Transport Areas (LATAs) access utilizing only the VeriSign network. IP backbone handles large bursts of traffic for efficient service even during peak traffic. Our Network Surveillance Control Center monitors our network infrastructure 24/7.

Full Solutions Partner

We are your single-source access to VeriSign's full range of intelligent network and database services to simplify management of your network operations. We can help you easily evolve to next-generation services with support of IP protocols and standards, including SIGTRAN, SIP, and ENUM, as well as a full suite of VoIP solutions.

Superior Customer Support

VeriSign will help you manage your network with customized network reporting, proactive monitoring of your network traffic, and notification of significant growth. Our dedicated, experienced design and implementation team (conducting an average of 100 rehomes per month) will work with you to set up the most efficient network plan.

ISUP Trunk Signaling and TCAP CLASS Services

VeriSign® Network Infrastructure provides signaling for call routing and access to intelligent services for wireless and wireline service providers. Our private network is designed for maximum diversity and routing efficiency, and with our service bureau approach, VeriSign helps you reduce the complex and expensive engineering involved in managing your network operations.

VeriSign® ISUP (ISDN User Part) Trunk Signaling allows you to deliver virtually instant connections for your customers and to deploy a full range of intelligent network services. ISUP Trunk Signaling replaces in-band signaling, so information for call setup and teardown is carried on out-of-band data links using the ISUP layer of the Signaling System 7 (SS7) protocol. ISUP service is critical to call processing, so VeriSign has employed an Incumbent Local Exchange Carrier (ILEC) access strategy using only the VeriSign network, reducing the number of hops in the message path, and resulting in more efficient routing and network management.

VeriSign ISUP Trunk Signaling provides direct access to all Regional Bell Operating Companies (RBOCs) and to all major ILECs, streamlining your SS7 operations by dealing with one dependable point of interconnection. ISUP also provides switch-to-switch signaling allowing for such services as Caller ID. In addition, the same signaling path used for ISUP can be used to facilitate inter-office CLASS (Custom Local Area Signaling Services). VeriSign® TCAP CLASS Messaging enables competitive services such automatic call-back and automatic recall.

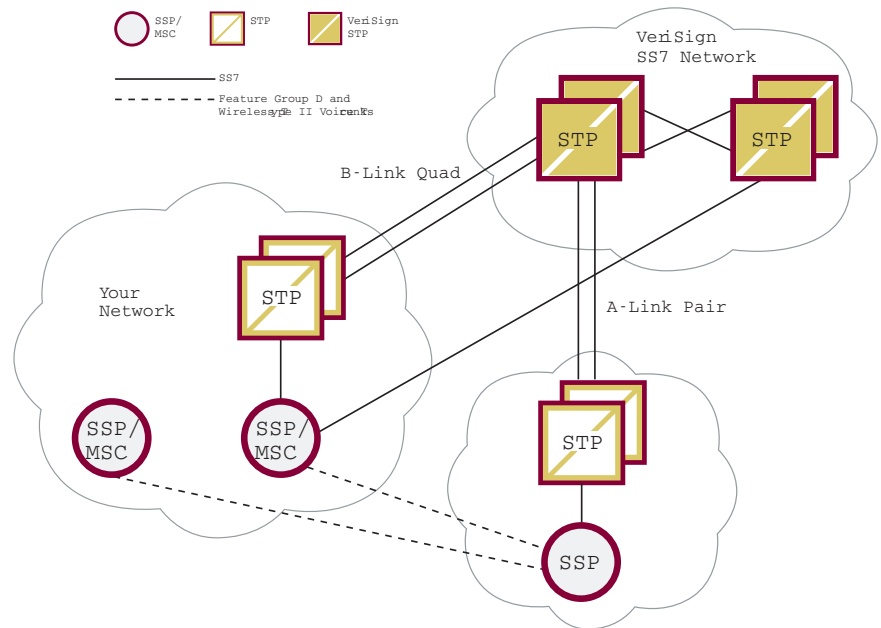
+ ISUP Signaling Step-by-Step:

1. Call request is started from originating SSP or Mobile Switching Center (MSC) to the terminating SSP/MSC.
2. An Initial Address message is sent from originating SSP/MSC and STP to the terminating STP and SSP. Originating SSP/MSC reserves a trunk between itself and the terminating SSP.
3. If the called party is available, an Answer Complete message is returned to the originating SSP/MSC. If not available, the terminating SSP responds with a busy tone and the call ends.



Where it all comes together.™

4. SSP receives the Answer Complete message indicating availability and completed connection.
5. When a party disconnects, the SSP or MSC serving the disconnecting party disconnects the voice circuit and sends a Release message to the other SSP/MSC.
6. The SSP/MSC receiving the Release message acts on this information by releasing its own facility and subsequently transmits a Release Complete message to the SSP/MSC that initiated the first release.



Visit us at www.VeriSign.com for more information.