



## DATA SHEET



### KEY BENEFITS

#### *Rapid Time to Market*

One IP connection to the VeriSign network provides quick connectivity to the North American SS7 network.

#### *Reduced Capital Expenditure*

No need to invest in expensive SS7 equipment—simply use your existing Media Gateways to connect to the VeriSign network.

#### *Reduced Operational Costs*

No need to maintain extensive in-house SS7 operational staff—VeriSign is a recognized leader in signaling services, so you can continue to focus on service enhancements and growing your business.

#### *Reduced Routing Costs*

Prior to connecting to the SS7 network, VeriSign can search for an existing IP endpoint, and if one is found, the call is connected directly, IP-to-IP.

## VeriSign® SIP-7 Service

The VeriSign® SIP-7 Service provides a cost-effective means for integrating SIP (Session Initiation Protocol)-based Voice over Internet Protocol (VoIP) platforms with the existing Signaling System 7 (SS7) network, allowing interconnection between IP networks and the PSTN.

### + The VoIP Evolution

An increasing number of service providers are turning to IP technology for providing VoIP service to their subscribers. While operating a packet-switched network offers many advantages, such as integrated voice and data, lower operational costs, and quicker deployment, they also present significant challenges. Today, most calls must connect to the Public Switched Telephone Network (PSTN) for completion, and for access to intelligent databases, they require SS7 signaling capabilities. Deployment and administration of SS7 equipment requires significant capital expenditures and experienced operational personnel.

The VeriSign SIP-7 Service helps reduce the cost of PSTN connectivity by combining your SIP-based Media Gateways with the efficiency and control of the VeriSign SS7 signaling technologies. SIP-7 provides SS7 connectivity throughout North America and offers access to enhanced services—such as number portability, calling name, and toll-free database access—through a single SIP feed.

### + An Innovative Service

The VeriSign SIP-7 Service and your media gateway is a powerful combination. Service providers can realize the benefits of an IP infrastructure and be confident that calls requiring access to the PSTN are connected in a reliable, cost-effective manner. In addition, VeriSign can provide access to our Public IP Directory to check for an IP endpoint, and if one is found, can connect the call over IP. SIP-7 enables you to overcome the challenges of purchasing and managing the complex and expensive signaling equipment required to interoperate with the PSTN.

### + Benefits of a Managed Service

Rather than spend significant capital for your own SS7 signaling equipment, and the cost of providing in-house operational staff experienced in SS7 connectivity and management, you can stay focused on building and retaining market share. The VeriSign SIP-7 service is a managed model that removes SS7 connectivity requirements from the VoIP carrier and allows seamless interconnection to the PSTN.



Where it all comes together.™

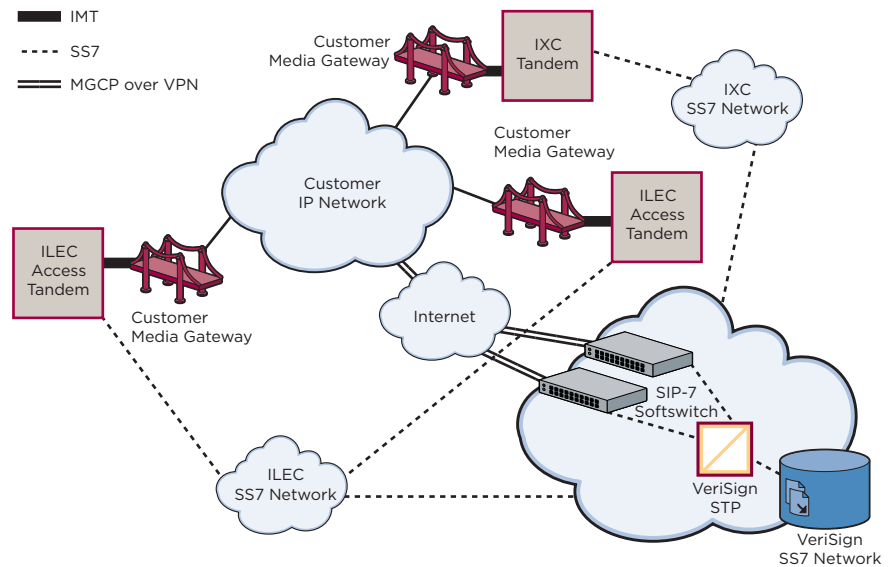
**+ A Reliable and Experienced Provider**

VeriSign operates the largest independent SS7 network in the world, assuring you of the efficiencies and reach of our established, reliable system. Our SS7 network handles over 2.7 billion interactions per day and provides network services to over 1,000 carriers. We monitor our network 24/7 with highly-trained technicians using state-of-the-art monitoring tools.

**+ SIP-7 in Action**

- Carrier provides a SIP feed to VeriSign.
- VeriSign converts the SIP feed to SS7 and connects to our North American SS7 network.
- Carrier is connected to every destination switch in the United States and Canada.
- VeriSign sends Media Gateway Control Protocol (MGCP) messages to the bearer gateways in the carrier network.

**SIP-7 Interconnect Model**



Visit us at [www.Verisign.com](http://www.Verisign.com) for more information.