



DATA SHEET



KEY FEATURES

Multi-faceted Solution

- + Immediate connectivity to hundreds of operators world wide.
- + Consistent Service Level Agreements reaching operator destinations globally
- + Advanced Anti-SPAM and Fraud Detection Services
- + Agreement Management between all operator within the hubbing environment, both direct and indirect connections

Transparent Connection Management

- + Hub for billing or payment
- + Routing configuration within the HUB (line range associations)
- + Web-based tool to select operators for message exchange
- + Transparent termination rates

Reliable and Flexible Connectivity Options

- + Supports a variety of connectivity options such as IP (SMPP) or SS7 (GSM MAP)
- + Real-time monitoring of hubs connected to VeriSign
- + Geographic Redundancy
- + Successfully meet the compliance criteria for Open Connectivity SMS Hubbing Solutions as defined by the GSMA

Comprehensive Reporting

- + Message Delivery Reports – viewable monthly, weekly and daily for Mobile Originated (MO) and Mobile Terminated (MT) message traffic statistics
- + Reports can be created based on any combination of the following criteria:
 - Time Period
 - Delivery Type
 - Delivery Status
 - Operator
- + AA19 Reporting for settlement between operators



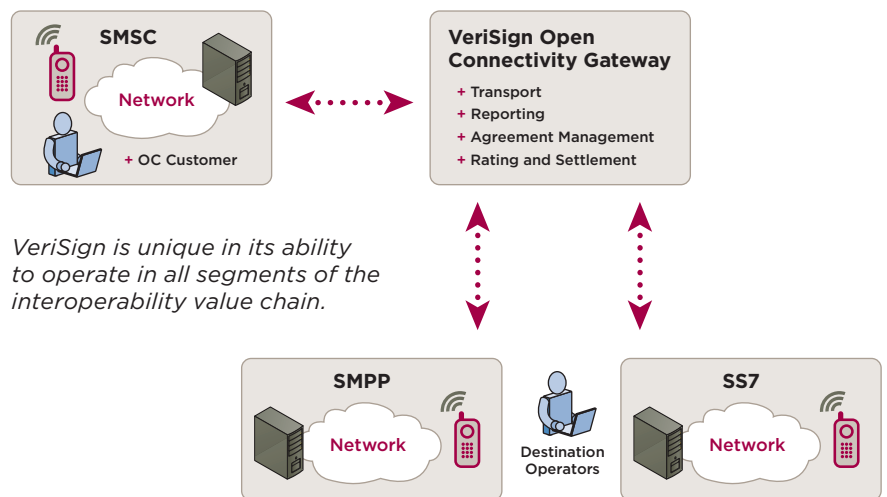
VeriSign® Open Connectivity Gateway

With the growth and proliferation of wireless operators, voice and data services, the exchange of international data has become highly complex, and resource intensive. The bilateral agreement model can restrict operators from realizing their interoperability footprint goals and objectives. Furthermore, there are significant costs associated with the coordination of global service and implementation of each inter-operability operator. In some cases it may not be commercially viable for an operator to have certain destinations available due to the financial and operational outlay required to implement an agreement with a particular operator.

The VeriSign® Open Connectivity Gateway helps wireless operators to efficiently and reliably exchange SMS messages with other operators, and therefore provide a large messaging reach for their subscribers. In addition to message exchange, this service can provide a majority of the services performed by the operator roaming services group, thus reducing the operational costs associated with doing business. The traditional services include:

- Traditional operator certification (TADIG and IREG testing)
- Termination fee and agreement establishment
- Clearing and settlement of messages exchanged between operators

Open Connectivity Architecture





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KEY BENEFITS

Reduce Vendor Relationships

- + Simplify your relationships by working with a services provider who can reliably handle your hubbing requirements

Helps to Reduce Messaging Infrastructure Costs

- + Onboarding and testing of new connections/operators is handled by VeriSign, allowing you to streamline your operational costs

Full "Transparency" and Fair Competition

- + VeriSign is committed to adhering to the principles of transparency which enable operators to see the true origination and destination of their traffic

Flexible Business Models

- + In addition to supporting the concept of the multi-lateral hub, VeriSign provides a full service resource, supporting unique bilateral needs and new requirements if they arise. Additionally, the elements of our hub services are available either as a whole, or as individual piece parts

+ Key Features

Message Exchange (Transport)

VeriSign Open Connectivity Gateway provides the ability for operators to exchange messages through a single connection to VeriSign. VeriSign supports two connection types, IP based (SMPP) or SS7 based (GSM MAP).

Reporting

Web-based reporting data is provided at a subscriber transaction and summary report level, assisting the operator's customer care group with detailed data. Operations and product groups also leverage the data for message trends and analysis.

Fraud, SPAM and Virus Protection

This functionality will provide the ability to detect and guard against fraudulent transactions and/or viruses that are attempting to be injected into the customer's network. VeriSign provides black list protection at both the operator and MSISDN level and provides the ability for operators to search for message dispositions results based on source, destination and time parameters.

Operation & Maintenance

As the hub provider, VeriSign holds the responsibility for compliance with all GSMA SLAs including uptime, latency, and service notification requirements.

Robust and Flexible Transport

The VeriSign Signaling System 7 (SS7) and extensive IP network will provide access to the VeriSign Open Connectivity Gateway service and to desired interworking operators. If required, operators can use their existing transport network to connect to the VeriSign Open Connectivity Gateway service. This solution provides a reliable and high performance service, with alternative paths to delivery in the event of a systems outage.

Cascade Billing

VeriSign's Open Connectivity Gateway also provides the option to support a multitude of requirements associated with the billing and invoicing process. As required by wireless operators, AA19/AA70/AA71 settlement reporting services are also available providing accounts payable and accounts receivable information in both a summary and detailed format.

End-to-end IREG & TADIG Testing

VeriSign will handle a myriad of aspects for IREG (Inter-Working, Roaming Expert Group) and TADIG (Transferred Account Data Interchange Group) testing as specified by the GSMA.

Agreement Management

This tool will allow easy documentation of the wholesale rates for selected operators, flexible rate selection options and the ability to opt-in or opt-out of a relationship. This gives operators control to select most suitable routing path, based on their criteria (pricing, reliability, etc.).

+ Learn More

For more information about VeriSign ICMMS, please call 1-888-716-0023 or email: mobilesales@verisign.com

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