



DATA SHEET



KEY BENEFITS

New Income from Data Services

Helps service providers increase subscriber usage of data services on roaming partner networks and roaming usage from visiting data subscribers.

Preserve Subscriber Relationship

Allows service providers to maintain the subscriber relationship when roaming.

Faster Revenue Collection Process

Streamlined management of subscriber roaming records helps ensure timely and accurate billing and eliminate the need to individually invoice roaming partners.

Bigger Footprint

Expands network coverage for subscribers to roaming partner networks creating universal access to data services.

Revenue Assurance

Offers providers a flexible solution to rate and clear billing data with their roaming partners, and track and analyze their financial position with their partners, via a comprehensive Web-based reporting system.

VeriSign® Wireless Data Roaming Service

VeriSign® Wireless Data Roaming Service (WDRS) is a complete outsourced solution enabling service providers to offer wireless data roaming to subscribers over broadband wireless networks including, but not limited to, CDMA1x (all packet data methods, including EV-DO Release 0 and EV-DO Rev. A), GSM/GPRS, WiMAX, and Wi-Fi. The VeriSign WDRS solution helps service providers minimize capital expenditures while providing the essential components of a complete, robust data roaming service including networking, authentication, security, monitoring, inter-operator billing, reporting, and real-time tools to identify and troubleshoot any failed roaming events.

VeriSign WDRS mitigates much of the logistical complexity and security concerns of implementing and maintaining data roaming arrangements and assists in getting to market quickly with quality service. With VeriSign WDRS, service providers are free to use a mixture of radio networks to deliver advanced data roaming services that build on existing network resources. Our industry leadership and commitment to efficiency and innovation in signaling networks means VeriSign is your trusted provider.

+ Wireless Data Roaming Key Features

Data Transport Services: GRX and CRX

The VeriSign GPRS Roaming Exchange (GRX) and CDMA Roaming Exchange (CRX) services provide a secure, scalable connection between networks to enable mobile data service roaming. Through a single connection to the VeriSign CRX or GRX, a service provider can reach all of their desired roaming partners and provide ubiquitous service for their subscribers.

VeriSign GRX and CRX services use a global network of private, high-capacity facilities to interconnect mobile carriers worldwide. The services employ a fully redundant, global, switched network over terrestrial fiber, submarine, and satellite systems utilizing current technologies to help ensure the highest quality and to support all types of data traffic.

VeriSign GRX and CRX services offer more value through exceptional service quality and performance as well as multiple connectivity options including VPN. The standard service includes the ability to prioritize traffic, on-line reporting of current and historical data, and the highest level of support.



Where it all comes together.™



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Maximize Roaming Revenue with Roamer Visibility

Optional portal for visibility into voice and data roaming transactions, proactively identifies problems and monitors roamer activity in near real-time. Easily identifies any roaming issues (i.e., lost revenue) for proactive response, increasing service levels and assisting in maximizing revenue.

Fraud Management

Optional visibility, analysis, and compilation tools for data roaming traffic offer near real-time information about potential fraud for proactive network management support.

Roamer Authentication, Authorization, and Accounting (AAA)

AAA provides a means of verifying a user's identity, granting access and recording usage. Centralizing roamer AAA with VeriSign creates a trusted third-party point of control and audit of roaming administration. This functionality validates and reports data events for home and visiting subscribers for reconciliation with roaming partners. Data records are quickly available for subscriber billing via the service provider's proxy server. Roamer AAA proxy services are available for both Remote Authentication Dial-in User Service (RADIUS) and EAP-SIM.

Network Usage Mediation

The VeriSign Usage Mediation Engine provides access to all subscriber records via one simple connection. Session data records are provided in real-time and can be mapped into industry recognized billing formats such as RADIUS, Cibernet Cellular Intercarrier Billing Exchange Roamer Record™ (CIBER), Transfer Account Procedure (TAP), Exchange Message Interface (EMI) and Internet Protocol Detail Record (IPDR).

Rating, Clearing and Settlement

VeriSign offers flexible clearing and settlement choices, including distribution of clearing record files directly to the service provider or a designated billing system/clearinghouse. The VeriSign net settlement process provides the option for service providers to track and analyze their financial position with data roaming partners. Monthly reports detail the service provider's financial position, network usage, and subscriber roaming patterns. Invoicing is also available for non-net settlement processing. VeriSign can perform multiple wholesale rating and taxing schemes by roaming partner.

VeriSign provides secure, easy-to-use Web reporting tools that provide insight into data roaming records for validation, reporting, and transfers. Access any one of 40 daily or monthly reports tailored to financial, marketing, and fraud management. User-defined and custom reporting is also available.

For more information, visit www.VeriSign.com