



1xRTT/EV-DO Mobile Data Roaming Services

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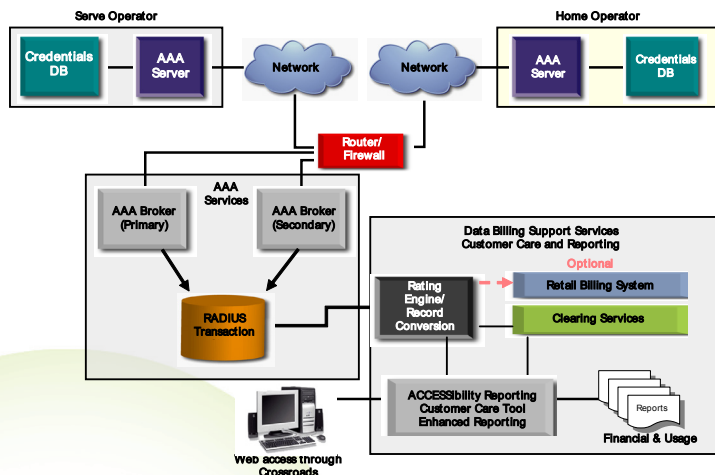
The Syniverse **1xRTT/EV-DO Mobile Data Roaming Services** give you a cost-effective, competitive edge by expanding wide-area 1xRTT/EV-DO coverage through roaming agreements with other 1xRTT/EV-DO providers.

As the first to offer a mobile data roaming solution that bridges technical gaps and simplifies business relationships among a growing number of new roaming partners, Syniverse can help you deliver high-speed Internet services. You'll have provisioning through a single connection point, access across multiple air interface technologies, be provided consolidated usage and financial information for billing, and have access to subscribers who are roaming in other markets.

Syniverse's centralized network, clearinghouse and service bureau solutions will simplify the complexity of implementing and managing mobile data roaming services by reducing capital outlay and streamlining operations.

Benefits of 1xRTT/EV-DO

- Simplifies the clearing and settlement of multiple business relationships.
- Enhances customer satisfaction by allowing you to quickly resolve roaming issues and provide a consistent, uniform experience to end users.
- Analyzes subscriber usage, allowing you to better determine how to direct marketing and partnering resources.
- Provides reporting for customer support and troubleshooting information.
- Simplifies message routing across operators and provides you with security relationship management.
- Takes advantage of Syniverse's nearly 20 years experience in clearinghouse, transaction processing, rating and reporting of mission-critical information.





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- Analyzes subscriber usage, allowing you to better determine how to direct marketing and partnering resources.
- AAA Broker service simplifies the management of multiple relationships between wireless operators and provides feeds for data billing support services, customer care and online analytical tools.
- Data clearing and settlement Service provides a centralized process to simplify the exchange of business partner transaction data.

Features of 1xRTT/EV-DO

AAA Broker Service

The Syniverse Authentication, Authorization and Accounting (AAA) Broker Service simplifies the management of multiple relationships between wireless operators and provides feeds for data billing support services, customer care and online analytical tools.

The AAA Broker Service centralizes subscriber authentication and authorization management as well as the collection of the access and accounting records. It manages routing, inter-service provider relationships, protocol, attributes, tunnels and retries. Through a single

relationship with Syniverse, providers can use the AAA Broker Services to obtain connectivity to all participating 3G operators.

Additionally, the Syniverse AAA Broker Service provides a central point to manage routing and security management for AAA messaging (e.g., routing unknown traffic to one entity for resolution) across operators. By using a proxy RADIUS server based on standards defined in RFC 2865 and RFC 2866, this feature ensures consistent treatment and reporting across service providers.

AAA Broker Services are capable of proxy routing inbound messages based on any of the following:

- Prefix delimiter rules.
- Suffix delimiter rules.
- Attribute mapping rules that allow Syniverse to route all session packets to a destination based on attributes in the Access Request.

The management of inter-service relationships between roaming partners is simplified through the use of a RADIUS proxy. Providers do not need to establish and maintain shared secret relationships with multiple roaming partners. This "hubbing" increases security for providers because the cryptographic information required for AAA messaging is shared only with Syniverse and requires only one point of interconnection with the security system.

Data Billing Support Service

The Syniverse Data Billing Support Service includes record aggregation, wholesale rating, translation and conversion. The AAA Broker Service feeds accounting records to the Data Billing Support Service. Records can be converted to the provider's specified industry standard formats, rated based on the bilateral agreements between roaming partners, and output to Syniverse's clearing and settlement service. Records also can be provided to the provider's billing system, if required.



Syniverse Technologies

Serving more than 800 communications companies in over 160 countries, Syniverse Technologies (NYSE:SVR) offers market-leading solutions that simplify the complexities of roaming, messaging, network interoperability and business intelligence for mobile operators, MSOs, enterprise verticals and emerging mobile providers.

Syniverse Data Billing Support Services will:

- Collect data events from multiple network elements.
- Translate data events from diverse inputs.
- Provide wholesale rating and facilitate retail rating. Current 1xRTT/EV-DO wholesale rating options include: session, duration, volume, any combination of session, duration or volume, and daily flat rate.
- Perform required industry standard and specific customer edits.
- Adhere to customer wholesale aggregation rules.
- Translate data events into CIBER or TAP billing formats for delivery to billing systems.

Data Clearing and Settlement Service

The Syniverse Data Clearing and Settlement Service provides a centralized process to simplify the exchange of business partner transaction data.

This Syniverse clearinghouse service simplifies the exchange of billing records with roaming partners by providing a single point of contact for both serve and home service providers. The settlement services facilitate financial and roaming management by:

- Calculating a financial net settlement position with roaming partners.
- Enabling revenue assurance by ensuring valid messages/records.
- Providing key data in daily and monthly reports in a user-friendly format.
- Clearing, settling and reporting on mobile data events between service providers and partners.
- Providing timely electronic/online reporting for roamer and financial management and control.

Clearing records are created from RADIUS input, accumulated and then processed for net settlement. Syniverse will provide reporting that can be used to determine a net settlement position between partners.

Operators also have access to ACCESSibility[®], Syniverse's Web-enabled reporting system that allows a provider to view, print or download various clearing and settlement reports using data accumulated from Syniverse's settlement services. Reports can be easily downloaded into third party applications for business analysis and can be scheduled for maximum efficiency. ACCESSibility is available through CrossroadsSM, Syniverse's secure Web infrastructure.

Visibility[®] Services Unique Roamer Activity (URA) reporting

This functionality provides an online window into real-time roaming data used for customer service. The AAA Broker feeds the RADIUS access and accounting messages to the system. With the URA feature, users are able to drill down by mobile data subscriber to view all messaging activity for up to seven days. This roaming activity information enables roamer management, customer service and network troubleshooting.

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