

Telecom

ROAM  
BROKER 

Assuring your Business for the Future



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## Do you know how to streamline your Roaming Business?

Nowadays, the roaming business is a very mature market with well defined guidelines and standards. Thus operate a profitable roaming business in the current competitive environment is not an easy job. New partners are constantly being introduced; groundbreaking services are being launched making the volume of data transacted increase exponentially. Additionally, the fact the prices and exchange rates are constantly fluctuating and resources are becoming scarce, introduces more complex elements in the equation to ensure revenue protection.

RoamBroker enables mobile operators to manage the entire life-cycle of roaming agreements, including billing and roaming fraud management. RoamBroker empowers mobile network operators to take control of their own roaming business resulting in lower third-party costs, higher revenues and greater responsiveness to the need of the roaming marketplace.

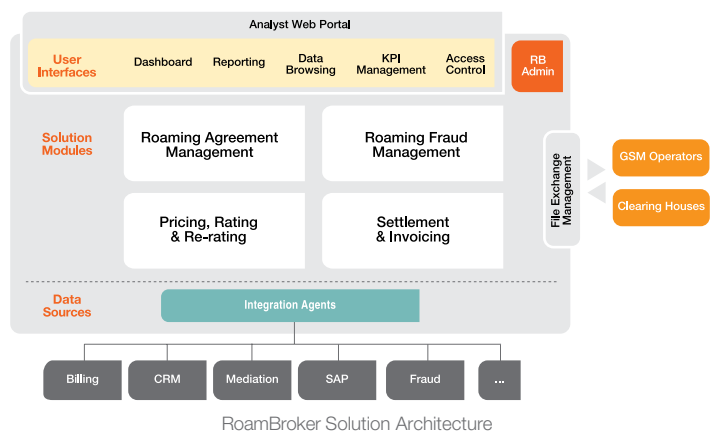
Using RoamBroker, you'll have access to all the roaming information you need via one central system that can be queried and used for business intelligence when managing your roaming partner relationships. This highly flexible solution for rating and processing roaming usage records also supports Near Real Time Roaming Data Exchange (NRTRDE), a key advantage to combat roaming fraud in a wide range of networks and the recommended standard for all GSM service providers.

## Maximise Your Roaming Revenues

RoamBroker is a centralised solution, with a user-friendly web browser interface, that is unique positioned to provide mobile operators with an effective TAP3-compliant tool.

RoamBroker supports advanced services handles the entire lifecycle of a Roaming agreement and manages all processes related to Roaming services including NRTRDE.

**RoamBroker** is a complete and easy-to-use solution for managing all aspects of Roaming Business: agreements information and lifecycle, RAEX, TAP&RAP files, Billing Management, Fraud Management and settlement.



## RoamBroker Features

### Roaming Management Agreement

The Roaming Agreement Management Module is responsible for managing the lifecycle of each agreement as well as the status of different services associated with each agreement, whether these are being negotiated, tested or already in production. This module manages and controls all exchanged test SIM cards information including each SIM card status generating alarms based on predefined thresholds. RoamBroker supports RAEX processes according with GSM Association standards in order to manage the dealing process with your roaming partners more efficient, easier and more satisfying. IOT check is also available to proactively ensure that all your roaming partners are correct and to detect erroneous charges in TAP files.

### Pricing, Rating & Re-rating

The Pricing, Rating & Rating Simulator Module is responsible for all the IOT rating and re-rating management. It allows a flexible IOT definition and multiple pricing plan definition for outbound roaming namely specific agreements with distinct operators, special discounts and promotions to attract roamers in, special roaming offers for high-value customers, flat pricing or common pricing in operator groups. RoamBroker also includes an IOT simulator which is a powerful tool that allows testing new pricing schemas upon real traffic before actually configure tariff on live agreements.

### Roaming Fraud Management

The Roaming Fraud Management Module fully supports the High Usage Reports defined by GSMA (detection of fraudulent activity and customer profile analysis). The limits may be controlled by operator or by customer segment and there are near real-time alerts associated to these limits. It is possible to issue daily HUR with the call details of all visitors IMSI who have exceeded the established fraud limit. Near Real Time Roaming Data Exchange is supported, allowing operators to exchange roaming records in near real time using a specific format (NRTRDE files) for roaming fraud prevention.

### Settlement & Invoicing

The Settlement & Invoicing Module controls the operator settlement information, the account settlement information and the operational settlement. It also produces and manages the roaming invoices. An on-line report is available with settlement information by different periods of time, for each operator, allowing the invoice validation received from roaming partners.

### File Exchange Management

The File Exchange Management Module assures an easier and automated process for TADIG tests and flexibly manages file formatting and file exchange. This module fully supports the entire TADIG test cycle, controlling the test cases and reducing the time needed to perform them. It is also responsible for the processing, validation and sending of specific roaming files with roaming partners.

## Enhance your Roaming Margins

Currently, operators are faced with the management of an increasing number of roaming agreements as a result of new services and globalization of their roaming reach.

With strict regulations and market maturity pushing prices and margins down, operators are, on the other hand, under a big pressure to increase their bottom line.

RoamBroker allows the implementation of specifically designed margin KPIs to monitor and manage the costs and revenues of roaming services. These KPIs provide precise information during the identification of the business impact of costs, partners' revenues, as well as potential risks and future business opportunities.

## User Interfaces

### Roaming Agreements

Using RoamBroker, operators have access to all the information they need via a centralized system that can be queried and used for business intelligence when managing their roaming partner relationships.



### Settlement & Invoicing

RoamBroker improves operators' invoicing processes, allowing the introduction of more flexible rates with each of the roaming partners and helps reconciling all the frequently found irregularities in the clearing of CDR's. The accuracy provided by settlement features, combined with invoicing process flexibility to manage discounts and exceptions, gives the operator all the necessary information to handle the most complex roaming billing services.



# Benefits

## Assure and Maximise Revenues

RoamBroker reduces time to market for new services, provides real competitive advantage and increases revenue through pricing flexibility, and eliminates the potential for revenue leakage due to fraud. It also reduces Clearing House dependency with associated cost savings.

## Operational Excellence

RoamBroker enables operators to streamline their processes around roaming administration with efficient management of roaming agreements, RAEX, TAP&RAP Files, Fraud Reports and settlement processes.

Minimize the development and maintenance effort in several systems avoiding redundancy and support costs. Reduce manual labor for operational tasks.

## Service Quality

RoamBroker allows you to manage alarms/alerts due to functional and operational situations. Through a set of analytical data processes you can be aware of roaming errors between operators exchange usage data to ensure correct cross-network billing. Using alarms, operators can detect and analyze errors almost immediately after data is exchanged in order to take the appropriate actions to reduce further losses.

## GSM Association Compliance

RoamBroker supports the most recent GSM standards, including TAP&RAP versions validation, NRTRDE, and RAEX processes. Roambroker is continually evolving to follow new GSM industry standards.

## Performance and Scalability

The RoamBroker architecture and technology enables rapid and scalable implementations from small to very large operators. It includes state-of-the-art technology developed to assure maximum performance with no impact on the operator's systems.

## Reports

RoamBroker provides a package of different reports divided into the following main areas: business, operation, fraud and financial reports.

'Pleasure in the job puts  
perfection in the work'

*Aristotle*

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