



# Gateway Location Register

Upgrades your network infrastructure with intelligent roaming capabilities to monitor, manage, optimize and maintain a high quality of service for inbound roamer traffic.

## Current Situation

As the mobile telecom market becomes more competitive, mobile network operators are looking for revenue assurance by enlarging their inbound roaming revenues, while lowering their costs.

The inbound market provides the (Visited Public Mobile Network) VPMN operator with the majority of total roaming revenue, and therefore controlling the number of inbound roamers that register to the network is crucial.

To assist operators in lowering costs and optimizing inbound roaming traffic, Starhome® is pleased to offer mobile operators its Gateway Location Register Solution.

## Starhome's Solution

Starhome's solution for inbound management is based on the functionality of the 3GPP Gateway Location Register Node.

Gateway Location Register provides the VPMN with the ability to significantly reduce the amount of signaling messages sent via its signaling provider to Home Public Mobile Networks (HPMNs).

This reduction eventually enables the operator to control inbound roamers' activities within the network and to reduce expenses. In addition, Gateway Location Register provides a set of tools enabling the inbound roamer to register into the network, regardless of other decisions made by the HPMN.

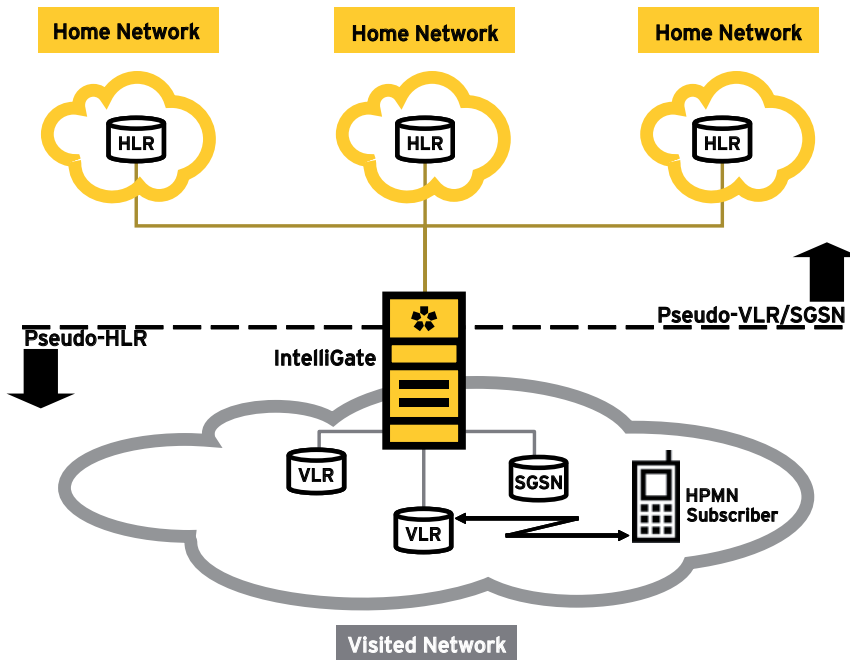
Gateway Location Register is a node located between the Visitor Location Register (VLR) and/or Serving GPRS Support Node (SGSN) and the Home Location Register (HLR), which may be used to optimize location updating and the handling of subscriber profile data across network boundaries. When a subscriber is roaming, Gateway Location Register functions as a **pseudo-HLR** when facing the VLR and SGSN in the visited network. Gateway Location Register functions as a **pseudo-VLR** and SGSN when facing the HLR in the home network.

## Benefits of Starhome's Solution

- Increases inbound roaming revenues
- Protects inbound roaming market share
- Manages and optimizes inbound roaming signaling traffic
- Standard and non disruptive behavior
- Provides visibility tools for better wholesale decisions



## Gateway Location Register



### Key Features

- Enhanced 3GPP Gateway Location Register platform
- Telco-grade platform with real-time and high capacity support
- Geographically distributed architecture
- Monitors and identifies gaps in the coverage of your inbound roamers
- Enhanced:
  - Management tools
  - Statistics
  - Forecast algorithms

### Starhome

Starhome® is a field proven leader in roaming whose cumulative knowledge and expertise has made it the roaming partner of choice for mobile operators. Since its establishment in 1999, Starhome manages and maintains over 900 roaming solutions for over 178 mobile operators in 118 countries worldwide. Starhome's solutions address all key

roaming requirements and target three distinct areas of activity at the mobile operator: **Retail** - Starhome offers seamless solutions to stimulate and increase roaming traffic and usability. **Wholesale** - our powerful solutions enable teams to meet their wholesale targets and IOT discount agreements. **Operation** - our mission-critical solutions optimize network efficiency and reduce cost of ownership.

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