



Anti-SoR Detector™ Solution

Enhance your Intelligent Preferred Network® Solution with the capability to detect anti-Steering of Roaming (SoR) practices that may be used by roaming partners.

Current Situation

Some operators have recently started to employ Anti-SoR (Steering of Roaming) practices. Anti-SoR is defined as “any technical network based methods that can effectively frustrate, counteract or undo the effect of SoR when applied without the consent or participation of either the Roaming Subscriber or the HPMN Operator” (BARG BA.30).

Starhome’s Intelligent Preferred Network® Solution incorporates built-in logic to identify such methods, and provides the operator with focused alarms and comprehensive reports enabling further investigation of the potential “violation.”

Starhome’s Solution - Detection Capabilities

Starhome’s® Anti-SoR Detector™ service allows mobile operators to detect the following potentially Anti-SoR activities used by visited network operators on outbound roamers:

- Blocking Update Location messages from reaching Intelligent Preferred

Network/SoR platform:

- Changing of signaling numbering plan
- Using any of the following methods:
 - Simulation of manual selection
 - Locking your roamers to the network (“Retain” mechanism, for example)

Reports and Alarms

Anti-SoR Detector continuously monitors traffic statistics, as well as subsequent events following receipt of Update Location messages or following your SoR system’s reactions to those messages. Exceptional drops or peaks in traffic statistics, as well as unexpected signaling, are recorded and generate appropriate counters.

Recorded information is stored and can be viewed via comprehensive reports. Using Starhome’s Reporting Tool, mobile operators can add the Anti-SoR Detector reports to other statistical reports available with the Intelligent Preferred Network® service.

Benefits of Starhome’s Solution

- Provides VPMN a tool to support decision and negotiations with its roaming partners
- Inbound roaming transparency
- Based on quality, field-proven product & platform at tier 1 & 2 operators and groups



Anti-SoR Detector

Updates

As experts in Steering of Roaming technology, Starhome keeps abreast of all the new Anti-SoR developments in the market. This information is translated into enhancing Anti-SoR detection capabilities. Detection procedures for newly developed Anti-SoR practices will frequently be made available for incorporation into the Anti-SoR Detector.

IntelliGate™ - Service Mobility Platform

Starhome's IntelliGate is a Telco-quality roaming service mobility platform that provides mobile network operators with advanced roaming technology and services across multiple network types, with minimal impact on operator resources. With an unmatched

record for on-time delivery, smooth integration and fast service deployments, Starhome's IntelliGate is constantly proving itself in the most complex and varied operator network environments worldwide.

The Anti-SoR Detector is one of many advanced SoR technologies and features from Starhome that ensure you have the best possible roaming management available.

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.

Contact us: Phone: +41-44-380-6777, Fax: +41-43-222-6768
Email: info@starhome.com, Web site: <http://www.starhome.com>

This material describing Starhome is for general information purposes and may be modified by Starhome at any time without notice. The information disclosed in this document is disclosed on an "as is" basis, and Starhome shall not be liable for the accuracy or completeness thereof. This material is the proprietary and/or confidential information of Starhome, and may not be disclosed, copied or transferred to any third party without Starhome's prior express consent. Starhome, its logo and service names are registered trademarks or trademarks of Starhome GmbH. All other marks are the property of their respective holders. © Copyright 2002-2010 Starhome. All rights reserved.

Key Features

- Monitors
 - Traffic statistics
 - Events following update location (UL) messages or IPN service reactions to those messages
- Records and identifies exceptional behavior
 - Unusual drops or rises in traffic statistics
 - Unexpected signaling
- Comprehensive reports
 - Reporting Tool and other statistical reports with IPN
- Identifies steering "violators"
 - Enacts measures to stop Anti-SoR activities