

## Automated Provisioning 3.3 SS7-Based, OTA Programming Solution

Reduce your costs, as well as strain on technical and retail resources. Use over-the-air technology to update your customers' phones faster and easier. The Interop Technologies SS7-Based, OTA programming solution enables you to automate updates and reduce activation time by up to 40 percent. In addition, the solution eliminates manual handset programming.

Using state-of-the-art techniques in clustering and load balancing, Interop Technologies helps operators support the higher volume and availability requirements of today's wireless market.

The SS7-Based, OTA Solution supports encrypted programming, which increases network security and reduces potential fraud. The solution allows operators to adjust the Preferred Roaming List (PRL) in subscribers' handsets. This ability helps you manage cost structures effectively and react quickly to changing roaming relationships in a competitive market. The solution also enables short-code updates.

## Features

- OTA parameter administration
  - PRL "push" to individual subscriber handsets
  - A mass-update toolset, enabling operators to provision a large number of handsets quickly and automatically
- OTA service provisioning
  - Handset-initiated PRL downloads
  - NAM provisioning
  - Customizable IVR and POS integration available
- Improved support for A-Key and Secure Secret Data authentication
- Real-time, Web-based customer care and reporting—from the OTA campaign to the individual customer level

### Solution Specifications

- To ensure multi-path system availability, components connect over a dual gigabit Ethernet network.
- A high-availability database cluster handles message storage, billing, and subscriber profiles.
- All platforms run on x86 architecture with a customized Linux kernel.
- Customer service representative interfaces enable "one-off" updates to subscribers.
- The fully redundant, dynamic distributed architecture ensures no single point of failure and 99.999 percent reliability.
- Flexible deployment options—hosted, modified hosted, and turnkey—to suit any business model.

