

CDMA OTA PROVISIONING

Activate Handsets Quickly with Soaring Success Rates

Automate point-of-sale activations with extremely high accuracy. Improve customer satisfaction and eliminate frustrating activation errors and related costs.

The Interop Technologies SS7-based CDMA OTA solution provisions Number Assignment Modules (NAMs) and Preferred Roaming Lists (PRLs) fast—and gets them right the first time. Our proven IS-683-compliant solution significantly reduces activation time for you and your customers.

➤ SIMPLIFY PROGRAMMING

The Interop Technologies CDMA OTA solution makes handset programming simple.

Over-the-Air Service Provisioning (OTASP) enables subscribers to simply place a *228 call to quickly and easily activate their devices. Our solution offers an Interactive Voice Response (IVR) System for terminating user-generated voice calls to facilitate OTASP programming. The IVR is fully integrated into the OTAF and provides multiple functions, including activation, MDN changes, ESN swaps, and PRL updates.

With Over-the-Air Parameter Administration (OTAPA), operators can simply send mass PRL updates to customer handsets or reprogram devices individually using “push” and/or short code technology. Customer service representatives can do “one-off” updates so engineers can focus on more technical tasks. OTAPA provides full business visibility with real-time, Web-based customer care and reporting from the OTA campaign to the individual customer level.

➤ OPTIMIZE PRODUCTIVITY WITH INTELLIGENT PROGRAMMING

The Interop Technologies CDMA OTA solution helps you manage expenses across your customer base more effectively and react quickly to lock in lower costs when roaming relationships change.

Automated PRL Selection dynamically determines the most appropriate PRL for a target device based on a number of operator-specified device or subscriber parameters. Parameters can include those collected directly from the device (via the protocol capabilities request, for example) or from other operator systems, such as the rate plan. Unlike traditional PRL blasting, this capability helps ensure that every device gets the right PRL, raising success rates, reducing the number of corrective resends, and optimizing the overall effectiveness of operators’ roaming agreements.

simply pick
the right PRL



4 ways
to
deploy

CHOOSE FROM FOUR DEPLOYMENT OPTIONS

Interop Technologies offers four flexible deployment options:

Hosted—Share technology in a service bureau environment.

Modified Hosted—Deploy our solution at your site without capital expense; we manage it for you.

Turnkey—Purchase our solution outright for on-site deployment.

Turnkey with Managed Services—Purchase our solution outright; we handle operations and management.

All four options include our world-class technology, and our architecture enables easy migration from hosted to turnkey if and when your business requires a different strategy.

A Configurable Service Programming Code (SPC) Algorithm and Retry Mechanism provide the flexibility necessary to ensure maximum success rates for unlocking devices—an essential step in any device programming session. The mechanism can leverage a standard code, a standard algorithm, or an operator-provided algorithm. If the first SPC fails to unlock a device or the appropriate algorithm is unknown, the solution can be configured to retry using a sequence of other available algorithms and codes.

➤ HOST UNTIL YOU'RE READY TO BUY OUR TURNKEY SOLUTION

Don't allow resource constraints or evolving business environments dictate your long-term strategy.

Unlike other hosting companies, which can only provide long-term hosted solutions using another company's technology, we can easily migrate your services from our hosted to turnkey solutions. Should your business needs change and you decide to migrate, we help you make the transition smoothly and quickly.

The technology is exactly the same for hosted and turnkey. Common interfaces for users, customer care, billing, and reporting simplify the migration process. With other providers, disruption occurs from switching technologies, vendors, and tools, often just as services become a critical part of your business.

Interop Technologies offers a simple migration path from hosted to turnkey, providing exceptional deployment flexibility.

➤ COMBINE OUR SOLUTIONS

For a complete set of handset configuration firmware and software update capabilities, add the Interop Technologies SCOPE™ Device Management (DM) solution to CDMA OTA Provisioning. Both solutions operate behind our unique VersatileView™ User Interface (VVUI) that can be changed according to the skill sets of the various employees tasked with the provisioning process. The Interop Global Device Repository (GDR) sits under the VVUI and is an auto-populated repository of data on all of your subscribers' handset capabilities. It identifies whether OTA, OMA-DM, or a combination of the two is appropriate to accomplish the task at hand and eliminates the need for employees to sift through network configurations and device settings before performing tasks.

You can use the Interop Technologies hosted DM option until the penetration level of DM-capable handsets in your network justifies investment in a turnkey solution. Ask us for details on this end-to-end solution.

KEY BENEFITS

Over-the-Air Parameter Administration (OTAPA)

- PRL "push" to individual subscriber handsets
- Mass-update toolset for fast, automatic updates to large numbers of handsets

Over-the-Air Service Provisioning (OTASP)

- Handset-initiated PRL downloads
- NAM provisioning
- Optional fully automated, customizable IVR system
- Optional API interface for operators using an existing IVR system

Automated PRL Selection

Configurable SPC Algorithm and Retry Mechanism

PRL Blast Tool

- Enables mass PRL updates for high-volume PRL parameter administration

Short Code PRL Tool

- PRL updates over short code, assigned to default PRL file selected in short code PRL form

ESN/pESN/MEID support

- OTAPA and OTASP functions support both Electronic Serial Number (ESN) and Mobile Equipment Identity (MEID)-based pseudorandom ESN (pESN)

Preferred User Zone List (PUZL)

Extremely high activation accuracy

Reduced activation time

"Five-nines" (99.999%) reliability