

Enhanced CDMA Roaming Solution

Advance Pay rate plans have become very important to CDMA operators in recent years to communicate simpler, attractive rate plans to a growing subscriber base, while minimizing capital and operational costs. Recently, CDMA operators have also become interested in ways to complement their existing unlimited rate plans through various usage-based billing approaches when their subscribers roam outside the home network. Traditionally, WIN triggers facilitate usage-based rating, but when the WIN trigger is not enabled by the home operator, or when they are not available for use by roaming partners, then another approach is required to offer real-time rating without compromising the ease of single-stage dialing.

Primal Technologies' Enhanced CDMA Roaming Solution supports the ability to offer single-stage dialing with the benefits of flexible real-time rating and call monitoring for mobile originated calls and mobile terminated calls when WIN triggers are not available. Together with industry-leading flexible prepaid rating features, IVR, and web-based subscriber self-care management, the Enhanced CDMA Roaming Solution interworks with existing prepaid and postpaid CRM/Billing systems that an operator may already have.

This modular solution is easily extensible to meet an operator's incremental requirements for complete Advance Pay/Prepaid service, and / or other comprehensive Primal Technologies services including SMSC, MMS Server, Visual VM, OTA, and Data Charging Solution. Primal OTA allows new PRL lists to be pushed to handsets as those subscribers migrate to the Primal Enhanced CDMA Roaming Solution.



Enhanced CDMA Roaming Features

- Single-stage dialling (no 800# to dial)
- MO and MT rating while roaming
- Tested with Nortel, Alcatel-Lucent, Motorola, Huawei, ZTE
- Special roaming profile for subscribers
- Stand-alone roaming cash/bucket account or interworking with existing prepaid service
- Concurrently also supports National LD, Intl. LD rating (for non-roaming scenarios also)
- Operator can select which calls are routed directly from roaming network, and which calls are routed back to home network (e.g. for carrier selection)
- Dialed short codes and special DNs can work identically while roaming as when non-roaming
- Primal IVR for call setup announcements
- Maintain existing recharge mechanisms, or Primal provided
- Real-time Revenue Reporting
- Real-time IS-41 message monitoring
- Variable Interval Rating
- Multiple rate plan support
- Time/Destination-based rating
- Bucket rating, Zone-based rating
- Micro Transactions
- Per Customer Configuration for Balance Thresholds
- Subscriber Self-care WWW access
- Dynamic Sweeping Intervals
- Easily extended to support AIN0.2, SIP, IS-826 WIN Prepaid and/or Calling Card Solution (optional)
- SMSC, MMS, RADIUS OCS Native Charging support
- Manage PRL lists with Primal OTA

Prepaid Skylight Integration

- Customer Service Real-time Access To All CDRs
- Real-time Access To Account Status
- Engineering Real-time Monitoring
- Finance Access To Hourly, Daily, Weekly Monthly Revenue Generation
- System and Revenue Performance Monitoring
- Dynamic Searching based on MIN/DN/IMSI Card and Expiry Date