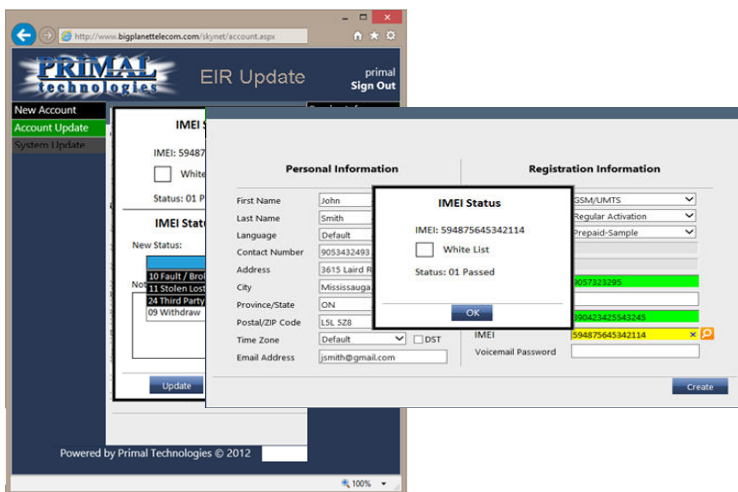


While the traditional Equipment Identity Register (EIR) is deployed in some networks, widespread deployment still has not occurred. However, the introduction of new, sophisticated features in handsets such as cameras, mp3 players, and email capability etc. has resulted in a rising number of thefts particularly among certain models of handsets. Wireless operators have taken notice, and are beginning to address this common, serious problem.

Primal Technologies EIR addresses this problem by allowing subscribers to report their lost/stolen handset to the wireless operators customer care centre. Customer care then marks the handset as lost, or stolen accordingly. Thereafter, if the handset is attempted to be turned on, it will no longer receive wireless service. Furthermore, if the handset has been stolen then it can be identified with the SIM owner for law enforcement purposes.

While Primal Technologies supports this traditional theft deterrent capability, the Extended EIR (xEIR) provides additional functionality including tracking which model of handset is being used by their subscribers at any particular time. This allows an operator to understand which/how many subscribers are using grey market handsets and also facilitates SIM/firmware configuration management and application version control. An open, secure, transactional interface allows access to determine the handset model used by a particular subscriber for such configuration purposes.

Primal Skylight provides the full experience for Customer Service, Engineering, Finance and Marketing to monitor handset usage and EIR System Performance.



### EIR Features

- GSM Phase 1, Phase 2, Phase2+
- Support for both IMEI and IMEISV
- Grey list, Black list screening restricts attachment from previously reported lost/stolen handsets
- Deters handset theft, especially among higher priced handset models
- Tracks theft of handset shipments
- API to query current IMEI of subscriber
- Separate transaction log stream for law enforcement purposes
- LTE Integration (S13 & S13')
- Central IMEI Database interface

### xEIR (Extended EIR) Features

- White-list screening to ensure only Type approved and registered operator handsets can attach (configurable)
- Tracks handset manufacturer & model changes made by subscribers
- IMEI/IMSI association and locking (configurable)
- Cloned handset detection
- Inbound roaming tracking, metrics
- Supports additional colour lists
- Identify IMSI attachments from handsets registered to subscribers on certain rate plans (e.g. Smart Phone models on a voice/text only rate plan) for further Customer care engagement and potential upsell
- Send SMS to subscriber when SIM change is detected

### xEIR Skylight Integration

- Bulk IMEI data loading
- Monitors and provides reports on usage of black-listed, grey-listed, or white-listed handsets for a specified time period