More than compliance

Use HPE Enhanced Equipment Identity Register

Hewlett Packard
Enterprise

Robbery of handheld devices has increased. By registering your subscribers' devices, you can provide concrete measures to limit the benefits of stealing them, while building customer trust.

Since devices are connected to subscribers' "digital life," consumers want to block access to their various social networks and email/online service accounts once their device has been stolen or lost. Similarly, professionals connected to their enterprise's IT systems often have real-time and sensitive data on their mobile devices; leaks of this data could have serious legal or financial impact on their companies.

Do more than comply

With the growth of smartphones—the introduction of new connected mobile devices like smart watches, 4G tablets, and laptops; and development of second-hand handsets available online—criminal acts related to stealing them are increasing rapidly in many countries. Because of this, politics and consumer and family associations are putting pressure on governments to take more concrete measures to limit the benefits of stealing mobile phones.

Manage legislation's effect

Changing telecom regulator legislation is pushing operators to block mobile devices in a short time after their owners have declared them stolen. While this is an extra cost burden, it's also an opportunity to improve your device-population knowledge and provide extra security services to your subscribers. This can reduce churn and build additional trust with your subscribers who have just gone through a stressful experience.

Get more

To implement these measures, turn to Hewlett Packard Enterprise (HPE). Our HPE Enhanced Equipment Identity Register solution can help you comply with telecom regulators' laws and gain greater insights into your device population and subscriber base, while providing additional services to subscribers. It's cost-effective, easily implemented, and delivers additional value beyond traditional equipment identity register (EIR) solutions.

Your device population is an asset—like your spectrum and network—and the greater knowledge you have about this population, the more value you can derive from it. By understanding its trends and the granular device capabilities knowledge, you can market and launch new service offerings to your subscribers.

Additionally, in the fight against criminal acts, consumer and enterprise subscribers have higher expectations from mobile operators. A stolen device should be denied access to the network, and the data on it protected so it can't be accessed by the person who stole it.

Review the solution

The HPE Enhanced Equipment Identity Register leverages proven preintegrated Hewlett Packard Enterprise solution components to deliver a complete solution:

- **HPE Automatic Device Detection** enables real-time capture of triplets (IMEI/IMSI/MSISDN) to track the subscriber and handset population and to be aware of any changes within the pairs—device or subscriber, for example, when a subscriber is upgrading the device.

- **HPE Equipment Identity Register** delivers the core functionality—as defined in ETSI and 3GPP standards—of allowing or denying network access to a specific device based on its IMEI and the flag attached to it in its database.

• **HPE Advanced Device Management Engine** adds valuable capabilities for analyzing the device population based on various dimensions such as device capabilities through a rich web-based user interface and reporting mechanism. This enables call center representatives or others to access the device registry in a secured manner. It also offers a business logic layer for automating processes when events are detected like cloned IMEI showing up on the network, unexpected change of pair device/subscriber, or a stolen handset trying to connect to network. It is preintegrated with the GSM/GSMA IMEI database and mobile device management platform for remotely securing the content of the mobile devices if required.

Our broad range of expertise, products, and technologies can be successfully implemented in GSM and LTE environments on mobile phones or any other devices such as mobile broadband modems or machine-to-machine devices.
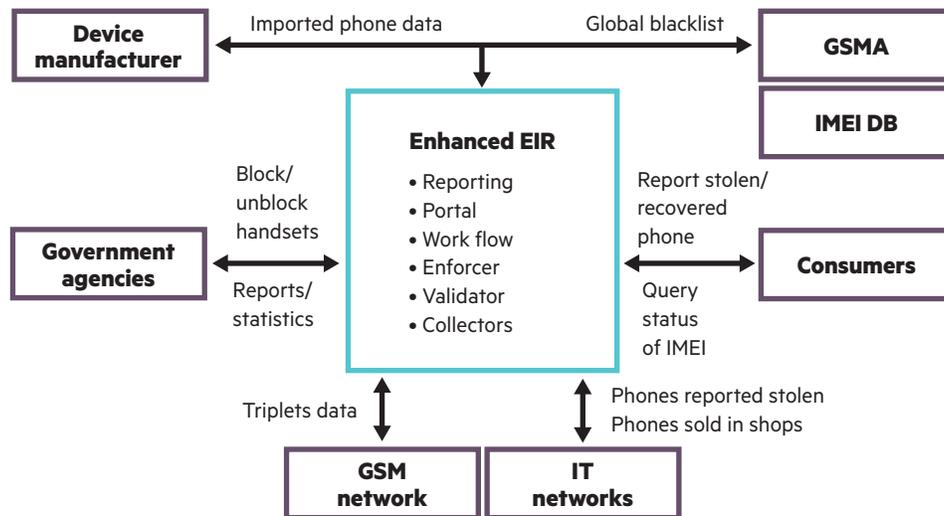
Figure 1: HPE Enhanced Equipment Identity Register architecture

Read about the features

• GSMA IMEI database preintegration

• Rich set of reporting capabilities

• Built-in work-flow engine processes triggers and events based on predefined rules

• IMEI/MSISDN pairing tracking

• Cloned IMEI detection and analysis

• Type allocation code analysis and validation reported by handset and translation into make, model, and device capabilities

• Rich set of integration application programming interface

• Network control access of mobile devices based on their status

• Data import and export capabilities

• Modular and scalable architecture

Gain these benefits

- Complies with telecom regulations and more when it comes to stopping the "recycling" of stolen handsets

- Provides a centralized system for managing device population and analyzing it based on the device's capability and profile information

- Helps validate interest in launching new services

- Enables you to generate additional security services revenues, for example, locate and lock devices

Review our additional services

HPE Solution Lifecycle Services for the communications and media industry help you realize the full value of your solutions, from planning and assessment through to testing, deployment, operation, and nearly continuous improvement. Each service area leverages proven processes and best practices to balance capital expenses and operating expenses (OPEX) and reduce risk, while keeping your projects on time and your operations running smoothly.

HPE Solution Consulting Services help define business transformation and translate strategies into actionable solutions.

HPE Solution Implementation Services offer a low-risk project lifecycle across design, development, customization, and network and system integration.

HPE Solutions Management Services increase the operational efficiency of your existing solutions, including reactive, proactive, operational, and enhancement services.

Outsourcing options by Hewlett Packard Enterprise are designed to improve business agility while reducing your OPEX; options include IT and infrastructure outsourcing, application management, and business process outsourcing.

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