



1-in-N IMEI Check per SGSN Subscriber

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Feature Summary and Revision History

Summary Data

Applicable Product(s) or Functional Area	SGSN
Applicable Platform(s)	<ul style="list-style-type: none"> • ASR 5500 • VPC-DI • VPC-SI
Feature Default	Disabled - Configuration Required
Related Changes in This Release	Not Applicable
Related Documentation	<ul style="list-style-type: none"> • <i>Command Line Interface Reference</i> • <i>SGSN Administration Guide</i>

Revision History

Revision Details	Release
First introduced.	21.10

Feature Description

The SGSN supports IMEI check for a configurable number of subscriber events ranging from 1 to 15 events. With this release, the SGSN skips sending IMEI check to EIR for the first “N-1” events where IMEI/IMEISV is received. The number of IMEI Check for each subscriber towards EIR is drastically reduced thereby reducing the EIR load. This also ensures that each subscriber is IMEI/IMEISV checked periodically.



Important

Fresh IMEI check happens for requests with foreign PTMSI landed to different session managers other than the session manager where the subscriber was housed previously.

Configuring IMEI Check to EIR for the First 1-N Events

This section describes how to configure IMEI check to EIR for the first 1-N events.

Configuring IMEI Check Every N Events in MAP Service

Use the following configuration to perform IMEI check every N events for each subscriber.

```
configure
  context context_name
    map-service map_service_name
      equipment-identity-register { isdn E.164_num | point code point_code
    } check-imei-sub-every-n-events times
      no equipment-identity-register { isdn E.164_num | point code point_code
    } [ include-imsi | map-include-imsi ]
    end
```

Notes:

- **check-imei-sub-every-n-events** *times*: Performs IMEI check every N events for each subscriber. *times* must be an integer ranging from 1 to 15.
- **no**: Disables the configuration to perform IMEI check every N events for each subscriber.

Configuring IMEI Check Every N Events in EIR-Profile

Use the following configuration to Perform IMEI check every N events for each subscriber.

```
configure
  sgsn-global
    eir-profile profile_name
      check-imei-sub-every-n-events check_frequency
      no check-imei-sub-every-n-events
    end
```

Notes:

- **eir-profile** *profile_name*: Configures EIR profile. Pointcode/ISDN should be configured for EIR Profile to be valid. *profile_name* Specifies the EIR profile name, must be a string of 1 to 64 characters.
- **check-imei-sub-every-n-events** *check_frequency*: Performs IMEI check every N events for each subscriber . *check_frequency* must be an integer from 1 to 15.
- **no**: Disables the configuration to Perform IMEI check every N events for each subscriber.

