



# 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"><li>• ASR 5500</li><li>• VPC-DI</li><li>• VPC-SI</li></ul>   |
| Feature Default                          | Disabled - Configuration Required  |
| Related Changes in This Release          | Not Applicable   |
| Related Documentation                    | <ul style="list-style-type: none"><li>• <i>Command Line Interface Reference</i></li><li>• <i>SGSN Administration Guide</i></li></ul> |

### 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.

