MME Masked IMEISV

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Feature Summary and Revision History

Summary Data

Applicable Product(s) or Functional Area	MME
Applicable Platform(s)	• ASR 5500 • *VPC-DI* • *VPC-SI*
Feature Default	Disabled
Related Changes in This Release	Not applicable
Related Documentation	• *MME Administration Guide* • *Statistics and Counters Reference*

Revision History

Revision Details	Release
First Introduced	21.23

Feature Description

Some 5G devices do not support 3GPP wireless function as they comply with R15 standard. To make those devices 3GPP compatible, Router Area Network (RAN) requires the model and software information of the specific devices.

MME provides "Masked IMEISV" IE to RAN and makes the unsupported 5G devices compatible for 3GPP wireless functions.

In order to address this device compatibility issue, a new configuration command is introduced in the “mme-service” configuration mode. It enables and disables the sending of the masked International Mobile Station Equipment Identity and Software Version Number (IMEISV) value in the following S1AP messages:

- Initial Context Setup Request
- Handover Request

The (IMEISV) is an Optional IE in the S1AP “Initial Context Setup Request” and “Handover Request” messages. The IMEISV is composed of the following elements (each element must be in decimal digits only):

- Type Allocation Code(TAC) and length is 8 digits
- Serial Number (SNR) is an individual serial number uniquely identifying each equipment within each TAC and its length is 6 digits
- Software Version Number (SVN) identifies the software version number of the mobile equipment and its length is 2 digits
- When the masked imeisv flag is enabled, the last 4 digits of the SNR value are converted as ffff before sending . However, the original imeisv value cannot be modified

Enabling and Disabling Masked IMEISV

Use the following configuration commands to enable and disable masked IMEISV in the S1AP messages "Initial Context Setup Request" and " Handover Request":

```
configure
  context context_name
    mme-service service_name
      [ no ] enable-masked-imeisv
     end
```