

APN-OI based P-GW Selection

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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
Default Setting	Disabled - Configuration Required
Related Changes in This Release	Not Applicable
Related Documentation	• *Command Line Interface Reference* • *MME Administration Guide*

Revision History

Revision Details	Release
First introduced.	21.15

Feature Description

The MME accepts a new format for the operator-identifier. When the configured APN matches with the APN that gets constructed with APN operator identifier (APN-OI), then the corresponding APN profile with the

P-GW address is selected. APN-OI-Replacement string from the ULA is in the format of ABCD.XYZ.MNCXXX.MCCYYY.GPRS or ABCD.MNCXXX.MCCYYY.GPRS.

MME selects P-GW based on the APN-OI-Replacement in the ULA message from HSS. MME is configured with ipv6.mnc009.mcc262.gprs/ KT5G.B2B.MNC009.MCC262.GPRS as the operator identifier. If this string matches with the APN-OI in the ULA message from HSS, then the configured P-GW is selected.

APN-OI Based P-GW Selection Configuration

This section describes how to configure APN-OI based P-GW Selection.

Modifying Operator Identifier

Use the following configuration to modify the operator identifier.

```
configure
   operator-policy name operator_policy_name
   apn{ network-identifier apn_net_id operator-identifier apn_op_id |
operator-identifier apn_op_id }[ apn-profile apn_profile_name ]
   end
```

NOTES:

- **apn** : Specifies the Access Point Name.
- **network-identifier***apn_net_id* : Links the specified APN network ID with the specified APN profile. *apn_net_id* must be an alphanumeric string of 1 through 63 characters, including dots (.) and dashes (-).
- **operator-identifier***apn_op_id* : Specifies the Operator identifier. *apn_op_id* must be a string of 1 to 39 characters in length 1 to 39, in format of [MNCxxx.MCCyyy.GPRS] / [ABCD.DEF.MNCxxx.MCCyyy.ZZZZ].



Note With release 21.15, Operator Identifier can be configured in [ABCD.DEF.MNCxxx.MCCyyy.ZZZZ] format in addition to existing [MNCxxx.MCCyyy.GPRS] format.

- **apn-profile** *apn_profile_name*: Associates APN Profile. *apn_profile_name* must be a string of size 1 to 64 characters in length.