

Controlling IMS Voice Over PS Session in S1 Mode

This chapter describes the following topics:

- Feature Summary and Revision History, on page 1
- Feature Changes, on page 2
- Command Changes, on page 2
- Performance Indicator Changes, on page 2

Feature Summary and Revision History

Summary Data

Applicable Product(s) or Functional Area	MME
Applicable Platform(s)	ASR 5500
Feature Default	Disabled - Configuration Required
Related Changes in This Release	Not Applicable
Related Documentation	• *Command Line Interface Reference* • *MME Administration Guide* • *Statistics and Counters Reference*

Revision History

Important Revision history details are not provided for features introduced before releases 21.2 and N5.1.

Revision Details	Release
IMS Voice Over PS Session in S1 Mode	21.5.7

Feature Changes

Configured APN is considered as IMS APN and UE is allowed to attempt IMS PDN connection only if it is subscribed to that APN. If the configured IMS APN is present in the subscription in ULA, then MME sets "IMS voice over PS session in S1 mode" in the Attach Accept/TAU Accept message.

If the configured IMS APN is not present in the subscription in ULA, then "IMS voice over PS session in S1 mode" must be unset. If there is any change in subscription due to ISDR/DSR, then the updated parameter must be sent to the UE during the next IM-Exit.

The **ims-apn** CLI command in the Call Control Profile Configuration mode is enhanced to configure the network identifier on MME.

Command Changes

ims-apn

In the Call Control Profile Configuration mode, the **ims-apn** CLI command is enhanced to add network identifier.

Use the following configuration to add or remove network identifier in Call Control Profile:

```
configure
   call-control-profile profile_name
      ims-apn network-identifier network_identifier_name
      remove ims-apn network-identifier
      end
```

- **ims-apn network-identifier** *network_identifier_name*: Configures the network identifier on MME. Once configured APN is considered as IMS APN and UE is allowed attempt IMS PDN connection only if it is subscribed to that APN. *network_identifier_name* Must be string of 1 through 63 characters. It should consist only of alphabetic characters (A-Z and a-z), digits (0-9), dot(.) and the dash (-).
- **remove**: Removes the network identifier configured for IMS APN.

Performance Indicator Changes

show call-control-profile full all

The **IMS APN** added to the out put of this command displays "Configured" or "Not Configured".

If **IMS APN** is configured, it displays the name of the configured IMS APN name.