

Uneven Distribution of eNodeBs in MME Managers

This chapter describes the following topics:

- Feature Summary and Revision History, on page 1
- Feature Description, on page 2
- Configuring MME Manager, on page 2
- Monitoring and Troubleshooting, on page 2

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	Not applicable
Related Changes in This Release	Not applicable
Related Documentation	• *Command Line Interface Reference* • *MME Administration Guide*

Revision History

Revision Details	**Release**
First introduced.	21.6

Feature Description

MME Manager distributes/redistributes equal number of eNodeB SCTP connections across MME Managers. As a result of network outages, the distribution of eNodeB SCTP connections by the MME Managers were uneven. The distribution of eNodeB SCTP connections across MME Managers is made even.

Configuring MME Manager

Use the following configuration to configure the MME Manager related commands and to correct the stack eNB entry in **mmedemux**.

mme mmedemux s1ap-sync mmemgr { all | instance *instance_value* **}**

Notes:

- **mme**: Configures the MME exec commands.
- **mmedemux**: Configures the MME Manager related commands.
- **s1ap-sync**: Synchronizes with s1ap association count with MME Manager-Archive with all instances of MME Manager.
- **mmemgr**: Synchronizes up with MME Manager on eNodeB list.
- **all**: Synchronizes up with MME Manager on eNodeB list with all instances.
- **instance** *instance_value*: Synchronizes with MME Manager on eNodeB list with specific instance. **instance** *instance_value* must be an integer from 1 to 48.

mme mmedemux audit-with { all | instance *instance_value* **}**

Notes:

- **mme**: Configures the MME exec commands.
- **mmedemux**: Configures the MME Manager related commands.
- **audit-with**: Allows **mmedemux** to free up the enodeB archive and to rebuild using audit from the MME Manager database. Clears any blocked eNB entry in **mmedemux**.
- **all**: Synchronizes up with MME Manager on eNodeB list with all instances.
- **instance** *instance_value*: Synchronizes with MME Manager on eNodeB list with specific instance. **instance** *instance_value* must be an integer from 1 to 48.

Monitoring and Troubleshooting

This section provides information on the show commands available to this feature.

Show Commands and/or Outputs

This section provides information regarding show commands and/or their outputs.

show session subsystem facility mmedemux instance <instance_id>

The following new fields are added to the output of this command:

MMEDemux MMEMGR S1AP Association:

- MME Manager
  - Total ENodeB Associations
  - Total ENodeB Peers



Important The above command displays the associated count for each MME Manager.

show session subsystem facility mmedemux instance <instance_id>