



# S10/S3-S11 Interface Separation

This chapter describes the following topics:

- [Feature Summary and Revision History, on page 1](#)
- [Feature Description, on page 2](#)
- [How It Works, on page 2](#)
- [Configuring S10/S3 Interface Separation, on page 2](#)
- [Monitoring and Troubleshooting, on page 3](#)

## Feature Summary and Revision History

### Summary Data

Applicable Product(s) or Functional Area	MME
Applicable Platform(s)	<ul style="list-style-type: none"> <li>• ASR 5500</li> <li>• VPC-DI</li> <li>• VPC-SI</li> </ul>
Default Setting	Disabled - Configuration Required
Related Changes in This Release	Not Applicable
Related Documentation	<ul style="list-style-type: none"> <li>• Command Line Interface Reference</li> <li>• MME Administration Guide</li> </ul>

### Revision History

Revision Details	Release
First introduced.	21.10

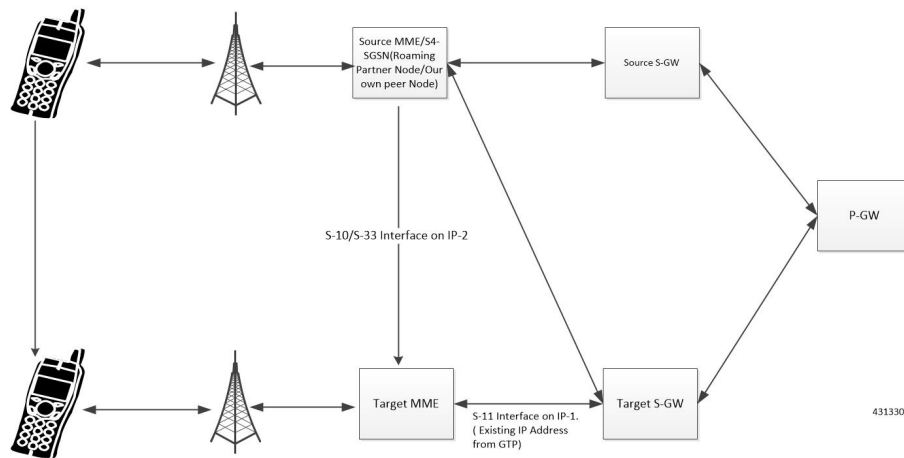
## Feature Description

MME supports association of additional EGTP service for handling S10/S3 interfaces. New CLI is introduced allowing MME to decide to use which egtp-interface for S10/S3 signalling to peer MME/SGSN for Handover scenarios.

## How It Works

### Flows

Separate IP Addressing for S11 and S10/S3 interfaces. All S11 Communication will be on IP-1 and S10 communication will on IP-2. This is applicable for both inter operator S10/S3(MME/SGSN) Handovers and intra operator S10/S3(MME/SGSN) Handovers.



### Limitations

This section describes the known limitations for S10/S3-S11-Interface Separation feature:

- Configuration changes like adding and deleting of GTPv2 interfaces is not supported during runtime.
- Changes to GTPv2 interfaces must be performed in service-mode only.
- When S10/S3 and S11 GTPv2 interfaces are separated, S10/S3 interface will only allow S10/S3 procedures on that interface other GTP messages will be discarded. Same is with respect to S11 interface.

## Configuring S10/S3 Interface Separation

This section provides information on the CLI commands to configure Configuring S10/S3 Interface Separation the in MME.

## egtp-s10-s3-service

Use the following configuration to associate EGTP service for S10/S3 interface to support Inter-Operator S10 Handover.

```
configure
context context_name
  mme-service service_name
    associate egtp-s10-s3-service service_name
  [ no ] associate egtp-s10-s3-service
end
```



---

**Important**

Association of new egtp-s10-s3-service requires mme-service restart or system reload.

---

**NOTES:**

- **no**: Removes the association for S10/S3 interface at MME.
- The **associate egtp-s10-s3-service** *service\_name* associate EGTP service for S10/S3 interface. *service\_name* must be an alphanumeric string of size 1 to 63 characters.

## Monitoring and Troubleshooting

This section provides information regarding show commands and bulk statistics available to monitor and troubleshoot the EGTP S10/S3 Service Separation feature.

### Show Commands and Outputs

**show mme-service all**

The output of this command includes the following fields:

- EGTP S10/S3 Context
- EGTP S10/S3 Service

