M3UA SG Link Configuration

In this section:
- To create an M3UA SG Link
- To configure an M3UA SG Link
- To activate or deactivate an M3UA SG Link
- To delete an M3UA SG Link
- Traffic Augmentation
- Traffic Reduction

The far end of this link must terminate on a Signaling Gateway Process (SGP).

Up to 500 license-dependant M3UA SG links may be provisioned in one linksets at MTP3.

The messages on the link are in M3UA format and are transmitted using Stream Control Transmission Protocol (SCTP). Each Routing VM (Routing CPU) supports up to 250 SCTP Associations. The state of these links depends on the link alignment and can be (1) in-service at MTP2 and at MTP3, (2) out-of-service at MTP2 and MTP3, and (3) in-service at MTP2 and out-of-service at MTP3.

A linkset that contains M3UA SG links can also contain other link types (for example, M2PA).

Note
The linkset attributes determine the operation mode for all links within the respective linkset.

Provisioning the M3UA SGP depends on your system and network configuration; hence, there are no instructions provided in this document to execute the required tasks for this provisioning.

Before you attempt the M3UA SG Link alignment, the configuration tasks at the M3UA SGP must be completed.

To create an M3UA SG Link

1. From the Main Menu, click MTP3.

2. Click the required NA.

3. Click Linksets.

4. Click the required linkset.

5. Click Create in the Generic Link Selection screen.

6. Using the Link Type drop-down list, select M3UA SG Link.

7. Enter the required SLC and DRE ID.

8. Click Continue.
To configure an M3UA SG Link
1. From the Main Menu, click MTP3.
2. Click the required NA.
3. Click Linksets.
4. Click the required linkset.
5. Click the required M3UA SG Link.
6. Configure the required attributes and click Continue.

To activate or deactivate an M3UA SG Link
1. From the Main Menu, click MTP3.
2. Click the required NA.
3. Click Linksets.
4. Click the required linkset.
5. Click the required M3UA SG link.
6. Click Activate or Deactivate.

To delete an M3UA SG Link

Tip
You must deactivate an M3UA SG link before deleting this link

1. From the Main Menu, click MTP3.
2. Click the required NA.
3. Click Linksets.
4. Click the required linkset.
5. Click the required M3UA SG link.

Tip
The link type is identified under the Link Type column.
6. Click Deactivate.

7. Click Continue.

8. Navigate to the Linkset Basic Configuration screen.

9. Under the Generic Link Selection heading, click delete in the same row that M3UA SG link that you want to delete appears.

10. Click Continue.

Traffic Augmentation
For SG link alignment, it is a requirement that all Routing Context (RC) configuration be in place at the SGP at the time of link alignment. The procedure to register for additional RCs (M3UA Traffic Augmentation) is as follows:

1. Create a new SG link in the linkset.

2. Create the required Routing Context and other corresponding ASP configuration at the SGP.

3. Align the SG link. This link will be registered and active for the existing and new traffic.

4. At the SGP add the additional Routing Context configuration for the existing SG links.

5. Deactivate and reactivate the original SG links. The new SG link will carry all traffic while deactivating and reactivating the previously existing links.

6. You can either remove the new SG link or leave it in place to share the traffic. Any far end or user part will be unaware of the changes. Alternatively, remove the SG link.

Traffic Reduction
In order to remove an RC (M3UA traffic reduction) from an SG link set the procedure is similar and is as follows:

1. Create a new SG link in the linkset.

2. Create a corresponding ASP configuration at the SGP with only the RCs configured that are required.

3. Align the link. This link will be active only for the traffic indicated by the configured RCs.

4. Remove the Routing Contexts that are no longer required from the existing ASP configurations and deactivate and reactivate the existing SG links.

5. You can either remove the new SG link or leave it in place to share the traffic. Any far end or user part will be unaware of the changes. Alternatively just remove the SG link.