



# S-GW Access Peer Profile Configuration Mode Commands

MME restoration is a 3GPP specification-based feature designed to gracefully handle the sessions at S-GW once S-GW detects that the MME has failed or restarted. If the S-GW detects an MME failure based on a different restart counter in the Recovery IE in any GTP Signaling message or Echo Request / Response, it will terminate sessions and not maintain any PDN connections.

As a part of this feature, if a S-GW detects that a MME or S4-SGSN has restarted, instead of removing all the resources associated with the peer node, the S-GW shall maintain the PDN connection table data and MM bearer contexts for some specific S5/S8 bearer contexts eligible for network initiated service restoration, and initiate the deletion of the resources associated with all the other S5/S8 bearers.

## Command Modes

This configuration mode enables operators to configure a peer profile for the Network Triggered Service Restoration feature.

Exec > Global Configuration > Peer Profile Configuration

**configure > peer-profile service-type sgw-access name** *profile\_name*

Entering the above command sequence results in the following prompt:

```
[local] host_name(config-peer-profile-sgw-access)#
```



## Important

The commands or keywords/variables that are available are dependent on platform type, product version, and installed license(s).

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## description

Creates a textual description for this S-GW access peer profile.

**do show**

<b>Product</b>	S-GW
<b>Privilege</b>	Administrator, Security Administrator
<b>Command Modes</b>	<p>Exec &gt; Global Configuration &gt; Peer Profile Configuration</p> <p><b>configure &gt; peer-profile service-type sgw-access name</b> <i>profile_name</i></p> <p>Entering the above command sequence results in the following prompt:</p> <pre>[local] host_name(config-peer-profile-sgw-access) #</pre>
<b>Syntax Description</b>	<p><b>description</b> <i>string</i></p> <p><b>description</b> <i>string</i></p> <p>A text string that describes this S-GW access peer profile. The description can be from 1 to 64 alphanumeric characters in length.</p>
<b>Usage Guidelines</b>	<p>Use this command to create a textual string that describes this S-GW access peer profile.</p> <p><b>Example</b></p> <p>To create a description titled SGWACCESS:</p> <p><b>description</b> <i>SGWACCESS</i></p>

## do show

Executes all **show** commands while in Configuration mode.

<b>Product</b>	All
<b>Privilege</b>	Security Administrator, Administrator
<b>Syntax Description</b>	<b>do show</b>
<b>Usage Guidelines</b>	<p>Use this command to run all Exec mode <b>show</b> commands while in Configuration mode. It is not necessary to exit the Config mode to run a <b>show</b> command.</p> <p>The pipe character   is only available if the command is valid in the Exec mode.</p>



### Caution

There are some Exec mode **show** commands which are too resource intensive to run from Config mode. These include: **do show support collection**, **do show support details**, **do show support record** and **do show support summary**. If there is a restriction on a specific **show** command, the following error message is displayed:

```
Failure: Cannot execute 'do show support' command from Config mode.
```

## end

Exits the current configuration mode and returns to the Exec mode.

<b>Product</b>	All
<b>Privilege</b>	Security Administrator, Administrator
<b>Syntax Description</b>	<b>end</b>
<b>Usage Guidelines</b>	Use this command to return to the Exec mode.

## exit

Exits the current mode and returns to the parent configuration mode.

<b>Product</b>	All
<b>Privilege</b>	Security Administrator, Administrator
<b>Syntax Description</b>	<b>exit</b>
<b>Usage Guidelines</b>	Use this command to return to the parent configuration mode.

## ntsr

Enables network triggered service restoration (NTSR) and identifies the Pool ID to use for the feature.

<b>Product</b>	S-GW
<b>Privilege</b>	Administrator, Security Administrator
<b>Command Modes</b>	Exec > Global Configuration > Peer Profile Configuration <b>configure &gt; peer-profile service-type sgw-access name</b> <i>profile_name</i> Entering the above command sequence results in the following prompt: <pre>[local] host_name(config-peer-profile-sgw-access)#</pre>
<b>Syntax Description</b>	<b>ntsr pool-id</b> <i>number</i> <b>no ntsr-pool-id</b> <i>number</i> <b>default ntsr-pool-id</b> <i>number</i>  <b>default</b> The specified NTSR pool ID will be used as the default.

**no**

Disables the specified option.

**ntsr *pool-id***

Specifies the NTSR pool ID to use for the NTSR feature. NTSR pool IDs and pool types are configured in Global Configuration Mode using the **ntsr pool-id** command.

**Usage Guidelines**

Use this command to configure an SGW Access Peer Profile for the NTSR feature.

**Example**

To enable NTSR for NTSR pool ID 1

```
ntsr pool-id 1
```