



# S-GW Access Peer Profile Configuration Mode Commands

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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.

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## 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)#
```



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## Important

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

- [description, on page 2](#)
- [do show, on page 3](#)
- [end, on page 4](#)
- [exit, on page 5](#)
- [ntsr, on page 6](#)

## description

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

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**Product**

S-GW

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**Privilege**

Administrator, Security Administrator

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**Command Modes**

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)#
```

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**Syntax Description**

**description** *string*

**description** *string*

A text string that describes this S-GW access peer profile. The description can be from 1 to 64 alphanumeric characters in length.

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**Usage Guidelines**

Use this command to create a textual string that describes this S-GW access peer profile.

**Example**

To create a description titled SGWACCESS:

```
description SGWACCESS
```

# do show

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

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**Product**

All

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**Privilege**

Security Administrator, Administrator

---

**Syntax Description**

**do show**

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**Usage Guidelines**

Use this command to run all Exec mode **show** commands while in Configuration mode. It is not necessary to exit the Config mode to run a **show** command.

The pipe character | is only available if the command is valid in the Exec mode.



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**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.
```

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**end**

# end

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

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**Product** All

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**Privilege** Security Administrator, Administrator

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**Syntax Description** **end**

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**Usage Guidelines** Use this command to return to the Exec mode.

# exit

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

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**Product**

All

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**Privilege**

Security Administrator, Administrator

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**Syntax Description**

**exit**

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**Usage Guidelines**

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.

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## Product

S-GW

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## Privilege

Administrator, Security Administrator

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## Command Modes

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)#
```

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## Syntax Description

**ntsr pool-id** *number*  
**no ntsr-pool-id** *number*  
**default ntsr-pool-id** *number*

### default

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.

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## 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
```