



# Network Service Entity - Peer NSEI Configuration Mode Commands

## Command Modes

The Network Service Entity (NSE) - Peer NSEI configuration mode configures the Frame Relay parameters for the peer NSE. This mode is a sub-mode of the Global Configuration mode. This sub-mode provides the commands and parameters to define the management functionality for the Gb interface between a BSS and an SGSN over a 2.5G GPRS Frame Relay network connection.

Exec > Global Configuration > Network Service Entity - Frame Relay Peer NSEI Configuration

**configure > network-service-entity peer-nsei nsei\_number frame-relay**

Entering the above command sequence results in the following prompt:

```
[local]host_name(nse-fr-peer-nsei-nse_id)#
```



## Important

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

- [bssgp-timer](#), on page 1
- [do show](#), on page 1
- [end](#), on page 2
- [exit](#), on page 2
- [ns-reset-mode](#), on page 2
- [ns-vc](#), on page 3

## bssgp-timer

This command has been deprecated.

## do show

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

## Product

All

**end**

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**Privilege** Security Administrator, Administrator

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**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.

**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

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

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**Product** SGSN

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**Privilege** Security Administrator, Administrator

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**Syntax Description** `end`

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**Usage Guidelines** Return to the Exec mode.

## exit

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

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**Product** SGSN

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**Privilege** Security Administrator, Administrator

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**Syntax Description** `exit`

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**Usage Guidelines** Return to the global configuration mode.

## ns-reset-mode

The command configures automatic NS-Reset for a specific Frame Relay peer NSE (network service entity).

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**Product** SGSN

**Privilege**

Security Administrator, Administrator

**Command Modes**

Exec &gt; Global Configuration &gt; Network Service Entity - Frame Relay Peer NSEI Configuration

**configure > network-service-entity peer-nsei nsei\_number frame-relay**

Entering the above command sequence results in the following prompt:

```
[local]host_name(nse-fr-peer-nsei-nse_id) #
```

**Syntax Description****ns-reset-mode { active | passive }  
default ns-reset-mode****default**

Resets the configuration to the passive mode.

**active**

Configures active mode so that the SGSN is enabled to initiate NS-Reset without manual intervention.

**passive**Configures passive mode which means the SGSN continues *not* to initiate NS-Reset.

This is the default mode.

**Usage Guidelines**

Use this command to configure the SGSN for active mode regarding the peer NSE, so that the SGSN will initiate:

- NS-Reset when NSVC-DLCI binding is done.
- NS-Reset when the link goes down and then comes back.
- NS-Unblock upon receipt of NS-Reset-Ack message.

Active mode is useful in the following scenarios:

- if the SGSN detects LMI down but the BSC does not detect any link failure so does not send NS-Reset.
- if the NS layer can go down and the SGSN will mark the link as 'Blocked-Dead'. If the link comes up later, the NS layer state for that link will remain in the Blocked state.

**Example**

Configure active mode to perform NS-Reset when the link goes down and comes back up:

**ns-reset-mode active****ns-vc**

This command creates a network service virtual circuit (NSVC) for this frame relay NSE and enters the configuration sub-mode to define the NSVC parameters. These parameters are described in the NSVC Configuration Mode chapter elsewhere in this CLI Reference Guide.

<b>Product</b>	SGSN
<b>Privilege</b>	Security Administrator, Administrator
<b>Command Modes</b>	Exec > Global Configuration > Network Service Entity - Frame Relay Peer NSEI Configuration <b>configure &gt; network-service-entity peer-nsei <i>nsei_number</i> frame-relay</b> Entering the above command sequence results in the following prompt: <code>[local]host_name(nse-fr-peer-nsei-nse_id) #</code>
<b>Syntax Description</b>	<b>[ no ] ns-vc id <i>ns-vc_id</i></b>  <b>no</b> Removes the specified NSVC configuration.  <b>id <i>ns-vc_id</i></b> This keyword defines the NSVC configuration identifier. <i>ns-vc_id</i> : Must be an integer from 0 to 65535
<b>Usage Guidelines</b>	Access the NSVC configuration mode.

**Example**

Gain access to the NSVC configuration mode to change the 4th instance.

```
ns-vc id 4
```