



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. |
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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.
```

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. |
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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. |
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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 |
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Privilege

Security Administrator, Administrator

Command Modes

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) #
```

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.

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| Product | SGSN |
| Privilege | Security Administrator, Administrator |
| Command Modes | <p>Exec > Global Configuration > Network Service Entity - Frame Relay Peer NSEI Configuration</p> <p>configure > network-service-entity peer-nsei <i>nsei_number</i> frame-relay</p> <p>Entering the above command sequence results in the following prompt:</p> <pre>[local]host_name(nse-fr-peer-nsei-nse_id)#</pre> |
| Syntax Description | <p>[no] ns-vc id <i>ns-vc_id</i></p> <p>no</p> <p>Removes the specified NSVC configuration.</p> <p>id <i>ns-vc_id</i></p> <p>This keyword defines the NSVC configuration identifier.</p> <p><i>ns-vc_id</i>: Must be an integer from 0 to 65535</p> |
| Usage Guidelines | <p>Access the NSVC configuration mode.</p> <p>Example</p> <p>Gain access to the NSVC configuration mode to change the 4th instance.</p> <pre>ns-vc id 4</pre> |