



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 2
- [do show](#), on page 3
- [end](#), on page 4
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- [ns-reset-mode](#), on page 6
- [ns-vc](#), on page 7

bssgp-timer

This command has been deprecated.

do show

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

Product

All

Privilege

Security Administrator, Administrator

Syntax Description

do show

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.
```

end

end

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

Product SGSN

Privilege Security Administrator, Administrator

Syntax Description **end**

Usage Guidelines Return to the Exec mode.

exit

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

Product	SGSN
Privilege	Security Administrator, Administrator
Syntax Description	exit
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).

Product

SGSN

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.

Product

SGSN

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

[no] **ns-vc id** *ns-vc_id*

no

Removes the specified NSVC configuration.

id ns-vc_id

This keyword defines the NSVC configuration identifier.

ns-vc_id: Must be an integer from 0 to 65535

Usage Guidelines

Access the NSVC configuration mode.

Example

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

```
ns-vc id 4
```

