



# 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).



### Important

For information on common commands available in this configuration mode, refer to the [Common Commands](#) chapter.

- [bssgp-timer](#), on page 1
- [ns-reset-mode](#), on page 1
- [ns-vc](#), on page 3

## bssgp-timer

This command has been deprecated.

## ns-reset-mode

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

<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: <pre>[local]host_name(nse-fr-peer-nsei-nse_id)#</pre>
<b>Syntax Description</b>	<pre><b>ns-reset-mode { active   passive }</b> <b>default ns-reset-mode</b></pre> <p><b>default</b> Resets the configuration to the passive mode.</p> <p><b>active</b> Configures active mode so that the SGSN is enabled to initiate NS-Reset without manual intervention.</p> <p><b>passive</b> Configures passive mode which means the SGSN continues <i>not</i> to initiate NS-Reset. This is the default mode.</p>
<b>Usage Guidelines</b>	<p>Use this command to configure the SGSN for active mode regarding the peer NSE, so that the SGSN will initiate:</p> <ul style="list-style-type: none"> <li>• NS-Reset when NSVC-DLCI binding is done.</li> <li>• NS-Reset when the link goes down and then comes back.</li> <li>• NS-Unblock upon receipt of NS-Reset-Ack message.</li> </ul> <p>Active mode is useful in the following scenarios:</p> <ul style="list-style-type: none"> <li>• if the SGSN detects LMI down but the BSC does not detect any link failure so does not send NS-Reset.</li> <li>• 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.</li> </ul> <p><b>Example</b></p> <p>Configure active mode to perform NS-Reset when the link goes down and comes back up:</p> <pre><b>ns-reset-mode active</b></pre>

## 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 nsei_number frame-relay</b> Entering the above command sequence results in the following prompt: [local]host_name(nse-fr-peer-nsei-nse_id)#
<b>Syntax Description</b>	<b>[ no ] ns-vc id ns-vc_id</b>  <b>no</b> Removes the specified NSVC configuration.  <b>id ns-vc_id</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
```

