



# SGSN Congestion Control Configuration Mode

[this paragraph is needed as a minimum and must be completed as a continuation of the shortdesc]

## Command Modes

The SGSN Congestion Control configuration mode provides the commands to access and configure the congestion control for the SGSN globally.

Exec > Global Configuration > SGSN Global Configuration > Congestion Control Configuration

**configure > sgsn-global > congestion-control**

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-congestion-ctrl)#
```



## Important

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

- [congestion-action-profile, on page 1](#)
- [do show, on page 2](#)
- [end, on page 3](#)
- [exit, on page 3](#)

## congestion-action-profile

Creates an instance of a congestion-action-profile, which defines action to be take during congestion control scenario. Command also provides access to the Congestion Action Profile configuration mode commands.

## Product

SGSN

## Privilege

Security Administrator, Administrator

## Command Modes

Exec > Global Configuration > SGSN Global Configuration > Congestion Control Configuration

**configure > sgsn-global > congestion-control**

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-congestion-ctrl)#
```

---

**Syntax Description**    `[ no ] congestion-action-profile action_profile_name`

**no**

When this filter is added to the command, the SGSN deletes the congestion-control-profile from the SGSN-Global configuration.

**congestion-action-profile action\_profile\_name**

Create or identify a congestion-action-profile.

*action\_profile\_name*: Enter a string of 1 to 64 alphanumeric characters.

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**Usage Guidelines**    This command provides access to the Congestion-Action-Profile configuration mode commands which define the SGSN's congestion responses for:

- active calls
- new calls
- SM messages

Use the **show sgsn-mode** command to display the SGSN's congestion-control configuration defined with the command listed above.

**Example**

Use a command similar to the following to gain access to the commands to modify an existing congestion-action-profile named *sgsnCongActProf1*:

```
congestion-action-profile sgsnCongActProf1
```

## do show

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

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**Product**    All

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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.

<b>Product</b>	All
<b>Privilege</b>	Security Administrator, Administrator
<b>Syntax Description</b>	<b>end</b>
<b>Usage Guidelines</b>	Use this command to return to the Exec mode.

## exit

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

<b>Product</b>	All
<b>Privilege</b>	Security Administrator, Administrator
<b>Syntax Description</b>	<b>exit</b>
<b>Usage Guidelines</b>	Use this command to return to the parent configuration mode.

■ exit