

# S1AP Cause Code Configuration Mode Commands

The cause code group object allows an operator to group together a set of cause codes. This group can then be used as a named object in other commands.

**Command Modes**

Exec > Global Configuration > LTE Policy Configuration > S1AP Cause Code Configuration

**configure > lte-policy > cause-code-group** *group_name*

Entering the above command sequence results in the following prompt:

```
[local]  host_name (s1ap-cause-code)
```

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


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# class

Configures a set of cause codes within a cause code group.

**Product**

MME

**Privilege**

Administrator

**Command Modes**

Exec > Global Configuration > LTE Policy Configuration > S1AP Cause Code Configuration

**configure > lte-policy > cause-code-group** *group_name*

Entering the above command sequence results in the following prompt:

```
[local]  host_name (s1ap-cause-code)
```

**Syntax Description**

**[no] class { miscellaneous | nas | protocol | radio | transport } cause** *cause_no*

**no**

Removes the specified cause code class.

**miscellaneous**

Specifies the class of miscellaneous cause codes.

**nas**

Specifies the class of NAS cause codes.

**protocol**

Specifies the class of protocol cause codes.

**radio**

Specifies the class of radio cause codes.

**transport**

Specifies the class of transport cause codes.

**cause** ***cause_no***

Specifies the cause codes to add to this class. Cause codes must be defined one at a time.

*cause_no* is a numeric cause code value, as defined in 3GPP TS 36.413.

**Usage Guidelines**

Use this command to configure the specific cause codes within this S1AP Cause Code Group.

A maximum of 16 cause codes can be added to a cause-code-group entry.

Refer to the **policy service-request** command and **policy tau** command in the MME Service Configuration Commands Chapter to configure the behavior of the MME when the intial context setup fails during a service request procedure or while processing a TAU request.

The specific action taken by the MME can be mapped to the cause codes defined in this command.

**Example**

The following commands add causes **failure-in-radio-interface-procedure** and **interaction-with-other-procedure** to the cause code group.

```
class radio cause 26
class radio cause 29
```

# 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

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

**Product** All

**Privilege** Security Administrator, Administrator

**Syntax Description** `end`

**Usage Guidelines** Use this command to return to the Exec mode.

# exit

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

**Product** All

**Privilege** Security Administrator, Administrator

**Syntax Description** `exit`

**Usage Guidelines** Use this command to return to the parent configuration mode.

**exit**