



# RANAP Cause Code Group Configuration Mode

Commands in this mode enable the operator to define multiple cause codes for the 3G service.

## Command Modes

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

**configure > lte-policy > cause-code-group** *group\_name* **protocol ranap**

Entering the above command sequence results in the following prompt:

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



## Important

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

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

## cause

Enables the operator to specify one or more cause codes for the 3G service.

## Product

SGSN

## Privilege

Security Administrator, Administrator

## Command Modes

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

**configure > lte-policy > cause-code-group** *group\_name* **protocol ranap**

Entering the above command sequence results in the following prompt:

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

## Syntax Description

**cause** *cause\_code*  
**no cause** *cause\_code*

**no**

When included with the command, the specified cause code is deleted from the group. If all cause codes are deleted from the group then the group is automatically deleted.

**cause\_code**

Enter an integer from 1 to 512 to identify a cause code. Valid options are listed in 3GPP TS 25.413 v11.5.0 (or later version), subsection on *Cause* in section for *Radio Network Layer Related IEs*.

**Usage Guidelines**

A maximum of 16 RANAP protocol cause codes can be defined per group. Note that under each cause code group the maximum number of cause codes (ranap+bssgp+slap) that can be supported is 16.

Benefit of using the cause code group for 3G service is

- *if* the RANAP cause code configured by the operator matches with the cause received in the Iu-Release Request message, and
- *if* the Subscriber Overcharging Protection feature is enabled for 3G service in the SGSN-Service configuration,
- *then* the S4-SGSN includes ARRL (i.e., Abnormal Release of Radio Link) bit in Release Access Bearer Request message initiated on Iu-Release.

**Example**

Repeat the command to define multiple cause codes for the group.

```
cause 27
cause 121
cause 200
```

# 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.

<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