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)
```

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Important

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

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+s1ap) 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.

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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