BSSGP Cause Code Group Configuration Mode

Commands in this mode enable the operator to define multiple cause codes for the 2G service.

Command Modes

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

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

Entering the above command sequence results in the following prompt:

`[local] host_name(bssgp-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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- exit, on page 1
- radio-cause, on page 2

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.

radio-cause

Enables the operator to specify one or more cause codes for the 2G service.

Product SGSN

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration > LTE Policy Configuration > BSSGP Cause Code Configuration

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

Entering the above command sequence results in the following prompt:

```
[local]host_name(bssgp-cause-code)#
```

Syntax Description **radio-cause** *cause_code*
no radio-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 0 to 255 to identify a BSSGP protocol radio cause code, as defined in the *Radio Cause* section of the 3GPP TS 48.028 specification.

Important The SGSN does not support Enhanced Radio Status functionality; therefore, the SGSN treats cause code values 0x03 and 0x04 as "Radio contact lost with MS". Therefore, the valid configurable cause codes values are 0, 1, and 2.

Usage Guidelines The command can be repeated to define up to 16 BSSGP cause codes. This means that that under each cause code group the maximum number of cause codes (ranap+bssgp+s1ap) that can be supported is 16.

Benefit of specifying the cause codes in a group :

- **if** the BSSGP radio cause code configured by the operator matches with the radio cause received in the Radio Status message, and
- **if** the Subscriber Overcharging Protection feature is enabled for 2G service in the GPRS-Service configuration,
- **then** the S4-SGSN includes ARRL (Abnormal Release of Radio Link) bit in Release Access Bearer Request message Initiated on Ready-to-Standby state transition.

Example

Repeat the command with different cause values to create a group:

```
radio-cause 1
radio-cause 3
```