



# 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).

- [end, on page 1](#)
- [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

<b>Privilege</b>	Security Administrator, Administrator
<b>Syntax Description</b>	<code>exit</code>
<b>Usage Guidelines</b>	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.

<b>Product</b>	SGSN
<b>Privilege</b>	Security Administrator, Administrator
<b>Command Modes</b>	Exec > Global Configuration > LTE Policy Configuration > BSSGP Cause Code Configuration <b>configure &gt; lte-policy &gt; cause-code-group</b> <i>group_name</i> <b>protocol bssgp</b>
	Entering the above command sequence results in the following prompt: [local] <i>host_name</i> (bssgp-cause-code) #

<b>Syntax Description</b>	<b>radio-cause</b> <i>cause_code</i> <b>no radio-cause</b> <i>cause_code</i>
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**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.

<b>Usage Guidelines</b>	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.
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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
```

radio-cause