



# Ignoring SAI, RAI, or CGI in Change Notification Request Messages

- [Feature Summary and Revision History](#), on page 1
- [Feature Changes](#), on page 2
- [Command Changes](#), on page 3
- [Performance Indicator Changes](#), on page 3

## Feature Summary and Revision History

### Summary Data

Applicable Product(s) or Functional Area	<ul style="list-style-type: none"> <li>• P-GW</li> <li>• S-GW</li> </ul>
Applicable Platform(s)	<ul style="list-style-type: none"> <li>• ASR 5500</li> <li>• VPC-DI</li> <li>• VPC-SI</li> </ul>
Feature Default	Disabled - Configuration Required
Related Changes in This Release	Not Applicable
Related Documentation	<ul style="list-style-type: none"> <li>• <i>P-GW Administration Guide</i></li> <li>• <i>S-GW Administration Guide</i></li> <li>• <i>Command Line Interface Reference, Modes I - Q</i></li> <li>• <i>Command Line Interface Reference, Modes R - Z</i></li> <li>• <i>Statistics and Counters Reference</i></li> </ul>

## Revision History

Revision Details	Release
In this release, CLI configuration is supported to control the RAI/SAI/CGI in Change Notification Request message for P-GW and S-GW services.	21.20.22
With this release, a new CLI <b>egtp change-notification-req rat-type eutran ignore-uli-with-rai-sai-cgi</b> is added to control the RAI/SAI/CGI in Change Notification Request message for P-GW and S-GW services.	21.19.11

## Feature Changes

**Previous Behavior:** P-GW and S-GW received RAI/SAI/CGI in the CHANGE NOTIFICATION REQUEST message under 4G CALL FLOW (RAT TYPE as EUTRAN), detected ULI changes, and generated ULI change CDRs based on the Change Notification Request message.

**New Behavior:** To ignore RAI/SAI/CGI under 4G CALL FLOW, a new CLI **egtp change-notification-req rat-type eutran ignore-uli-with-rai-sai-cgi** is added to the P-GW and S-GW and its functions are.

- If the **egtp change-notification-req rat-type eutran ignore-uli-with-rai-sai-cgi** CLI is enabled under P-GW and S-GW services, then, detection of User Location Information (ULI) change and generation of ULI change CDR based on CHANGE NOTIFICATION REQUEST messages are ignored
- If this **egtp change-notification-req rat-type eutran ignore-uli-with-rai-sai-cgi** CLI is enabled either in P-GW or S-GW service or enabled in both the services, then, ULI IE containing any of SAI/CGI/RAI or its combination in Change notification request for RAT Type EUTRAN is ignored for that service type.

For example, if the **egtp change-notification-req rat-type eutran ignore-uli-with-rai-sai-cgi** CLI is enabled only under S-GW service, then ULI IE is ignored only for S-GW. If the CLI is configured only under P-GW service, then ULI IE is ignored only for P-GW. This results in ULI change CDR not getting generated for such messages even if TAI/ECGI or its combination changes in same message




---

**Note** The **egtp change-notification-req rat-type eutran ignore-uli-with-rai-sai-cgi** CLI is applicable only for Change Notification Request message. Other 3GPP GTPV2 messages having ULI IE includes RAI/SAI/CGI and generates ULI change CDR based on RAI/SAI/CGI.

---

## Command Changes



### Note

- Enabling the **egtp change-notification-req rat-type eutran ignore-uli-with-rai-sai-cgi** CLI applies to GTPP CUSTOM dictionaries having secondary RAT usage reports in CDR. Dictionaries having secondary RAT usage reports are CUSTOM38,CUSTOM24 and CUSTOM44.
- CLI not mandatory if based on the requirement CUSTOMER can enable/disable the CLI.

To ignore RAI/SAI/CGI in the Change Notification Request messages for S-GW services, use the following configuration to enable or disable the **egtp change-notification-req rat-type eutran ignore-uli-with-rai-sai-cgi** CLI under **egtp** command mode.

```
configure
  context context_name
    sgw-service sgw-service_name
      [no | default] egtp change-notification-req rat-type eutran
      ignore-uli-with-rai-sai-cgi
    Exit
```

To ignore RAI/SAI/CGI in the Change Notification Request message for P-GW services, use the following configuration to enable or disable the **egtp change-notification-req rat-type eutran ignore-uli-with-rai-sai-cgi** CLI under **egtp** command mode.

```
configure
  context context_name
    pgw-service pgw-service_name
      [no | default] egtp change-notification-req rat-type eutran
      ignore-uli-with-rai-sai-cgi
    Exit
```

### NOTES:

- **default egtp change-notification-req rat-type eutran ignore-uli-with-rai-sai-cgi**: Applies the default value "false" to the CLI.  
The P-GW/S-GW detects ULI changes even RAI/SAI/CGI received in Change notification Request message under 4G call flow.
- **no egtp change-notification-req rat-type eutran ignore-uli-with-rai-sai-cgi**: Disables the CLI, where P-GW/S-GW can detect ULI changes even RAI/CGI/SAI received in Change notification Request message under 4G call flow.

## Performance Indicator Changes

### show config

This command is modified to display the following output for sgw-service

```

sgw-service sgw-service
  associate ingress egtp-service sgw_ingress_egtp
  associate egress-proto gtp egress-context ingress egtp-service sgw_egress_egtp
  plmn id mcc 123 mnc 765 primary
  no reporting-action event-record
  egtp change-notification-req rat-type eutran ignore-uli-with-rai-sai-cgi

```

This command is modified to display the following output for pgw-service

```

pgw-service pgw_service
  associate ggsn-service ggsn-service
  associate egtp-service egtp_service
  associate peer-map map_pgw
  egtp create-session-rsp apn-ambr-always-include
  egtp change-notification-req rat-type eutran ignore-uli-with-rai-sai-cgi

```

### show sgw service name

This command has been modified to display the following output

```

show sgw-service name sgw-svc
  EGTP Modify bearer cmd negotiate qos : Disabled
  EGTP GnGp Modify bearer res with APN-AMBR : Disabled
  EGTP Modify bearer res with CHARGING-ID : Disabled
  EGTP Modify bearer res with CHARGING-FQDN or CHARGING-GW-ADDRESS : Disabled
  EGTP Modify bearer res with MSISDN : Disabled
  EGTP Modify Bearer Response with Context Not Found cause if IMEI/IMEISV mismatch : Enabled

  EGTP Bearer Request with Context Not Found cause if ULI mismatch : Disabled
  EGTP Bit Rate in Rounded Down Kbps : Disabled
  EGTP Suppress Update Bearer Request (no bitrate change) : Disabled
  EGTP Create Session Response with APN-AMBR IE : Enabled
  EGTP Ignore ULI IE with SAI/RAI/CGI in Change Notification Req for EUTRAN: Disabled

```

### show pgw service name

This command has been modified to display the following output

```

show pgw-service name pgw-svc
  EGTP Modify bearer cmd negotiate qos : Disabled
  EGTP GnGp Modify bearer res with APN-AMBR : Disabled
  EGTP Modify bearer res with CHARGING-ID : Disabled
  EGTP Modify bearer res with CHARGING-FQDN or CHARGING-GW-ADDRESS : Disabled
  EGTP Modify bearer res with MSISDN : Disabled
  EGTP Modify Bearer Response with Context Not Found cause if IMEI/IMEISV mismatch : Enabled

  EGTP Bearer Request with Context Not Found cause if ULI mismatch : Disabled
  EGTP Bit Rate in Rounded Down Kbps : Disabled
  EGTP Suppress Update Bearer Request (no bitrate change) : Disabled
  EGTP Create Session Response with APN-AMBR IE : Enabled
  EGTP Ignore ULI IE with SAI/RAI/CGI in Change Notification Req for EUTRAN: Disabled

```