



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

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Feature Summary and Revision History

Summary Data

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

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 egtp change-notification-req rat-type eutran ignore-uli-with-rai-sai-cgi 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 GTP 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

```