



Customizing TAC Field in CDR

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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 • SAEGW
Applicable Platform(s)	All
Feature Default	Disabled - Configuration Required
Related Changes in This Release	Not Applicable
Related Documentation	<ul style="list-style-type: none"> • <i>Command Line Interface Reference</i> • <i>P-GW Administration Guide</i> • <i>SAEGW Administration Guide</i> • <i>Statistics and Counters Reference</i>

Revision History

Revision Details	Release
First introduced.	<ul style="list-style-type: none"> • 21.26 • 21.23

Feature Description



Note This is a customer-specific feature. For details, contact your Cisco Account representative.

When a User Location Information (ULI) IE is received, the P-GW stores the information in the P-GW Charging Data Record (CDR). When the ULI IE is updated, the ULI field of the P-GW CDR gets reflected.

However, there are instances where after receiving the initial ULI with TAI + ECGI, the subsequent ULIs receive only ECGI. With this feature, P-GW saves the latest TAC and appends it to the main level ULI field in the P-GW CDR along with ECGI, if TAC is not received.

Examples of ULI customization:

1. Initial ULI received in Create Session Request:TAI + ECGI.

- TAI > MCC: 214, MNC: 365, TAC: 0x6789
- ECGI > MCC: 214, MNC: 365, ECI: 0x0001234

TAC: 0x6789 is saved by P-GW.

2. ULI is modified to ECGI only.

- ECGI > MCC: 214, MNC: 365, ECI: 0x0003333
- Whenever ULI is written to P-GW CDR, saved TAC is used
- ULI in P-GW CDR contains the following:
 - a. TAI > MCC: 214, MNC: 365, TAC: 0x6789
 - b. ECGI > MCC: 214, MNC: 365, ECI: 0x0003333



Note As LAC is not a separate element in ULI, in case of CGI, RAI or SAI, LAC is expected to be received always.

Configuring Customized TAC

Use the following configuration to customize TAC:

```
configure
  context context_name
    gtpv group gtpv_group_name
      [ no | default ] gtpv attribute tac-always-in-uli
    end
```

NOTES:

- **gtpg group** *gtpg_group_name*: Configures GTPP related parameters for the system to handle a GTPP attribute that does not indicate direction.
- **no** | **default**: Disables the addition of saved TAC to ULI.
- **gtpg attribute tac-always-in-uli**: Specifies the "TAI Location Type" option always in the ULI CDR field.

Monitoring and Troubleshooting

This section provides information to monitor and troubleshoot this feature.

Show Commands and Output

This section provides information regarding show commands and their outputs in support of this feature.

show gtpg group name default

The output of this command displays the following field:

Field	Description
TAC Always present	Displays "Yes" or "No" to indicate the presence of TAC in the ULI field of the PGW-CDR.

