



## Customizing TAC Field in CDR

- [Feature Summary and Revision History, on page 1](#)
- [Feature Description, on page 2](#)
- [Configuring Customized TAC, on page 2](#)
- [Monitoring and Troubleshooting, 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>• SAEGW</li></ul>
Applicable Platform(s)	All
Feature Default	Disabled - Configuration Required
Related Changes in This Release	Not Applicable
Related Documentation	<ul style="list-style-type: none"><li>• <i>Command Line Interface Reference</i></li><li>• <i>P-GW Administration Guide</i></li><li>• <i>SAEGW Administration Guide</i></li><li>• <i>Statistics and Counters Reference</i></li></ul>

#### Revision History

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

## 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
    gtp group gtp_group_name
      [ no | default ] gtp attribute tac-always-in-uli
    end
  
```

**NOTES:**

- **gtp** group *gtp\_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.
- **gtp** 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 gtp 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.

