



MME Clear Subscriber Enhancement

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Feature Summary and Revision History

Summary Data

| | |
|--|--|
| Applicable Product(s) or Functional Area | MME |
| Applicable Platform(s) | <ul style="list-style-type: none"> • ASR 5500 • VPC-DI • VPC-SI |
| Default Setting | Enabled - Configuration Required |
| Related Changes in This Release | Not Applicable |
| Related Documentation | <ul style="list-style-type: none"> • <i>Command Line Interface Reference</i> • <i>MME Administration Guide</i> • <i>Statistics and Counters Reference</i> |

Revision History

| Revision Details | Release |
|-------------------|---------|
| First introduced. | 21.14 |

Feature Description

The `clear subscribers mme-only` command is enhanced with the `tai` (Tracking Area Identity), `mcc` (Mobile Country Code), `mnc` (Mobile Network Code) and `tac` (Tracking Area Code).

`tac`

The new command helps to clear the subscribers that are based on tracking area identify.

MME Clear-Subscriber Enhancement

This section provides information on the newly introduced CLI commands and configuration of MME "clear subscriber".

Configuring Clear Subscriber MME-Only

Use the following configuration to clear the subscriber using newly introduced keyword `tai`.

```
clear subscribers mme-only tai mcc mobile_country_code mnc mobile_network_code
tac tracking_area_code
end
```

NOTES:

- **tai** : Specifies specific TAI Interface, must be followed by `mcc`, `mnc`, and `tac`.
- **mcc** *mobile_country_code*: Specifies mobile country code. *mobile_country_code* must be a string of size 3 to 3 ranging from 100 through 999.
- **mnc** *mobile_network_code*: Specifies mobile network code. *mobile_network_code* must be a string of size 2 to 3 ranging from 00 through 999.
- **tac** *tracking_area_code*: Specifies tracking area code. *tracking_area_code* must be an integer value between 1 and 65535.

Monitoring and Troubleshooting

This section provides information regarding newly introduced show command and its output.

Show Commands and Outputs

```
show mme-service statistics tai taidb taidb_name mcc mcc_value tac tac_value
```

The output of this command includes the following fields:

Session Statistics:

Total Subscribers:

- Attached Calls

- Connected Calls
- Idle Calls



Important Above TAI level session statistics (Attached calls, Connected Calls & Idle Call) cannot be cleared by CLI command “clear mme-service statistics tai all” or “clear mme-service statistics taidb taidb_name” as they are current statistics.

Bulkstatistics

This section provides information on the bulk statistics introduced as part of MME Clear-Subscriber Enhancement feature in MME TAI Schema.

| Bulkstatistics | Description |
|-------------------------|---|
| tai-sess-call-attached | The current total number of calls in attached per TAI. |
| tai-sess-call-connected | The current total number of calls in connected state per TAI. |
| tai-sess-call-idle | The current total number of calls in idle state. |

