



# 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"> <li>• ASR 5500</li> <li>• VPC-DI</li> <li>• VPC-SI</li> </ul>   |
| Default Setting                          | Enabled - 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>MME Administration Guide</i></li> <li>• <i>Statistics and Counters Reference</i></li> </ul> |

### 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.

| <b>Bulkstatistics</b>   | <b>Description</b>  |
|-------------------------|---|
| 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.              |

