# Counters for Reason 50/51 on MME and TAI Level

## Feature Summary and Revision History

### Summary Data

| | |
|---|---|
| Applicable Product(s) or Functional Area | MME |
| Applicable Platform(s) | • ASR 5500<br><br>• VPC-DI<br><br>• VPC-SI |
| Default Setting | Enabled - Always on |
| Related Changes in This Release | Not Applicable |
| Related Documentation | • Command Line Interface Reference<br><br>• MME Administration Guide |

### Revision History

| Revision Details | Release |
|---|---|
| First introduced. | 21.12 |

## Feature Description

The new counters are introduced for the NAS-ESM message "PDN_CONNECTIVITY_REJECT" with cause code "PDN TYPE IPV4 ONLY ALLOWED (50)" and "PDN TYPE IPV6 ONLY ALLOWED (51)".

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>
> **Important**    Previously these causes were populated in other reasons counter, same behavior holds good ever.

# Show Commands and Outputs

**show mme-service statistics esm-only**

The output of this command includes the following fields:

- PDN type IPv4 only

- PDN type IPv6 only

**show mme-service statistics tai taidb <> mcc <> mnc <> tac <>**

The output of this command includes the following fields:

- PDN type IPv4 only

- PDN type IPv6 only

# Bulk Statistics

This section provides information on the bulk statistics for the reason 50/51 on MME and TAU.

## MME Schema

The following counters for reason 50/51 related bulk statistics are available in the MME schema.

| Bulk Statistics | Description |
|---|---|
| esm-msgtx-pdncon-rej-pdn-type_ipv4_**only** | The total number of PDN connections rejected with cause 50 under MME level. |
| esm-msgtx-pdncon-rej-pdn-type_ipv6_**only** | The total number of PDN connections rejected with cause 51 under MME level. |

## TAI Schema

The following counters for reason 50/51 related bulk statistics are available in the TAI schema.

| Bulk Statistics | Description |
|---|---|
| tai-esm-msgtx-pdncon-rej-pdn-type_ipv4_only | The total number of PDN connections rejected with cause 50 under TAI level. |
| tai-esm-msgtx-pdncon-rej-pdn-type_ipv6_only | The total number of PDN connections rejected with cause 51 under TAI level. |