



Enhancement in Bulkstats in MME Schema for HSS CLR

- [Revision History, on page 1](#)
- [Behavior Change, on page 1](#)

Revision History

Revision Details	Release
Update in the existing Bulkstats emm-msgtx-attach-rej-network-fail-smgr-resource-unavailable and emm-msgtx-attach-rej-nw-fail-hss-abort-ex-sub-withdrawn and new bulkstat emm-msgtx-attach-rej-network-fail-hss-cancel-except-sw .	21.28
First Introduced.	21.11

Behavior Change

Previous Behavior: The existing counter **emm-msgtx-attach-rej-network-fail-smgr-resource-unavailable** was incrementing in following two events:

- When system resource limits have been crossed.
- When Cancel Location Request message(excluding the subscription withdrawal) is received from HSS.

However, the name and description of the counter was not reflecting the second event.

New Behavior: To handle this, the description of the counter **emm-msgtx-attach-rej-network-fail-smgr-resource-unavailable** is modified. This counter shows the total number of attach reject messages sent for an attach request for an attach request with a cause code Network Failure, when the rejection is due to SessMgr resources being unavailable.

The description of the existing counter **emm-msgtx-attach-rej-nw-fail-hss-abort-ex-sub-withdrawn** is also changed. Now, this counter shows the total number of Attach procedure not completing due to HSS CLR, excluding cancellation type of subscription withdrawal. This includes scenario of attach reject with network

failure and also attach abort where CLR abort happened after attach accept is sent and before attach complete received.

A new counter **emm-msgtx-attach-rej-network-fail-hss-cancel-except-sw** is introduced provides the total number of Attach Reject messages sent for an Attach Request, with a cause code Network Failure, when the rejection is due to HSS CLR, excluding cancellation type of subscription withdrawal.

Customer Impact: As a result of this enhancement, the customer needs to update the KPI formula for attach success ratio and configure new bulkstats.