



show sgtpc

This chapter describes the outputs of the **show sgtpc** command.

- [show sgtpc statistics, on page 1](#)

show sgtpc statistics

Table 1: show sgtpc statistics Command Output Descriptions

| Field | Description |
|-------------------------------------|---|
| Tunnel Management Messages: | |
| Create PDP Context Request: | |
| Total Primary CPC Req | The total number of Create PDP Context requests received for the primary PDP context. |
| Total Secondary CPC Req | The total number of Create PDP Context requests received for the secondary PDP context. |
| Initial Primary CPC Req | The total number of initial Create PDP Context requests received for the primary PDP context. |
| Initial Secondary CPC Req | The total number of initial secondary Create PDP Context requests received for the secondary PDP context. |
| Retrans Primary CPC Req | The total number of Create PDP Context requests retransmitted for the primary PDP context. |
| Retrans Secondary CPC Req | The total number of Create PDP Context requests retransmitted for the secondary PDP context. |
| Create PDP Context Response: | |
| Total Accepted | The total number of Create PDP Context response messages accepted. |
| Total Denied | The total number of Create PDP Context response messages denied. |

| Field | Description |
|-------------------------------------|---|
| Total Primary CPC | The total number of Create PDP Context response messages transmitted for the primary PDP context. |
| Total Secondary CPC | The total number of Create PDP Context response messages transmitted for the secondary PDP context. |
| Decode Failure RX | The total number of Create PDP Context response messages received with decode failure. |
| Update PDP Context Request | |
| Total UPC Req TX | The total number of Update PDP Context request messages transmitted. |
| Total UPC Req RX | The total number of Update PDP Context request messages received. |
| Initial UPC Req TX | The total number of initial Update PDP Context request messages transmitted. |
| Initial UPC Req RX | The total number of initial Update PDP Context request messages received. |
| Retrans UPC Req TX | The total number of tunnel-retransmitted Update PDP Context request messages transmitted. |
| Retrans UPC Req RX | The total number of tunnel-retransmitted Update PDP Context request messages received. |
| Update PDP Context Response: | |
| Total UPC Rsp TX | The total number of Update PDP Context response messages transmitted. |
| Total UPC Rsp RX | The total number of Update PDP Context response messages received. |
| Denied TX | The total number of denied Update PDP Context response messages transmitted. |
| Denied RX | The total number of denied Update PDP Context response messages received. |
| Accepted TX | The total number of accepted Update PDP Context response messages transmitted. |
| Accepted RX | The total number of accepted Update PDP Context response messages received. |
| Initial UPC-Rsp TX | The total number of initial Update PDP Context response messages transmitted. |
| Initial UPC-Rsp RX | The total number of initial Update PDP Context response messages received. |
| Retrans UPC-Rsp TX | The total number of tunnel-retransmitted Update PDP Context response messages transmitted. |

| Field | Description |
|-------------------------------------|---|
| Decode Failure RX | |
| Delete PDP Context Request: | |
| Total DPC Req TX | The total number of Delete PDP Context request messages transmitted. |
| Total DPC Req RX | The total number of Delete PDP Context request messages received. |
| Initial DPC Req TX | The total number of initial Delete PDP Context request messages transmitted. |
| Initial DPC Req RX | The total number of initial Delete PDP Context request messages received. |
| Retrans DPC Req TX | The total number of tunnel-retransmitted Delete PDP Context request messages transmitted. |
| Delete PDP Context Response: | |
| Total DPC Rsp TX | The total number of Delete PDP Context response messages transmitted. |
| Total DPC Rsp RX | The total number of Delete PDP Context response messages received. |
| Denied TX | The total number of denied Delete PDP Context response messages transmitted. |
| Denied RX | The total number of denied Delete PDP Context response messages received. |
| Accepted TX | The total number of accepted Delete PDP Context response messages transmitted. |
| Accepted RX | The total number of accepted Delete PDP Context response messages received. |
| Initial DPC-Rsp TX | The total number of initial Delete PDP Context response messages transmitted. |
| Initial DPC-Rsp RX | The total number of initial Delete PDP Context response messages received. |
| Retrans DPC-Rsp TX | The total number of tunnel-retransmitted Delete PDP Context response messages transmitted. |
| Decode Failure RX | |
| PDU Notification Request: | |
| Total Primary PDU Not Req | The total number of PDU notification request messages received but not requested for the primary PDP context. |
| Total Secondary PDU Not Req | The total number of PDU notification request messages received but not requested for the secondary PDP context. |

| Field | Description |
|---|--|
| Initial Primary PDU Not Req | The total number of initial PDU notification request messages received but not requested for the primary PDP context. |
| Initial Secondary PDU Not Req | The total number of initial PDU notification request messages received but not requested for the secondary PDP context. |
| Retrans Primary PDU Not Req | The total number of tunnel-retransmitted PDU notification request messages received but not requested for the primary PDP context. |
| Retrans Secondary PDU Not Req | The total number of tunnel-retransmitted PDU notification request messages received but not requested for the secondary PDP context. |
| PDU Notification Response: | |
| Total Accepted | The total number of PDU notification response messages accepted. |
| Total Denied | The total number of PDU notification response messages denied. |
| Acc. Primary PDU Not Rsp | |
| Initial PDU Not Rsp | |
| Retrans Pri PDU Not Rsp | |
| Acc. Secondary PDU Not Rsp | |
| Initial PDU Not Rsp | |
| Retrans Secondary PDU Not Rsp | |
| PDU Notification Rej Request: | |
| Total PDU Not Rej Req | |
| Initial PDU Not Rej Req | |
| Retrans PDU Not Rej Req | |
| PDU Notification Rej Response: | |
| Total PDU Not Rej Rsp | |
| Denied | |
| Accepted | |
| Initial PDU Not Rej Rsp | |
| Initiate PDP Context Activation Request | This group of counters indicates the number of IPCA Requests received from GGSN. |
| Total IPCA Req | Total number of Initiate PDP Context Activation Request messages received from GGSN. |

| Field | Description |
|---|---|
| Initial IPCA Req | Total number of initial Initiate PDP Context Activation Request messages received from GGSN. |
| Retrans IPCA Req | Total number of retransmitted Initiate PDP Context Activation Request messages received from GGSN. |
| Initiate PDP Context Activation Response | This group of counters indicates the number of IPCA Responses sent to GGSN. |
| Total Accepted | Total number of Initiate PDP Context Activation Response messages with cause Accepted sent to GGSN. |
| Initial IPCA Rsp | Total number of initial Initiate PDP Context Activation Response messages with cause Accepted sent to GGSN. |
| Retrans IPCA Rsp | Total number of retransmitted Initiate PDP Context Activation Response messages with cause Accepted sent to GGSN. When SGSN receives a retransmitted IPCA Req after it has sent IPCA Rsp with cause Accepted, it responds by sending the same IPCA Rsp and increments this counter. |
| Total Denied | Total number of Initiate PDP Context Activation Response messages sent to GGSN with cause other than Accepted |
| Initial IPCA Rsp | Total number of initial Initiate PDP Context Activation Response messages with cause other than Accepted sent to GGSN. |
| Retrans IPCA Rsp | Total number of retransmitted Initiate PDP Context Activation Response messages sent to GGSN. When SGSN receives a retransmitted IPCA Req after it has sent IPCA Rsp with cause other than Accepted, it responds by sending the same IPCA Rsp and increments this counter. |
| Initiate PDP Context Activation Response Not Sent | This group of counters indicates the number of IPCA Responses not sent to GGSN. Normally, IPCA Response is sent for each received IPCA Request from GGSN. For the following two cases, IPCA Response is not sent to GGSN. (verbose mode only) |
| Retrans IPCA Req bef MS rsp | Total number of IPCA Response messages not sent due to reception of retransmitted IPCA Req during NRSPCA procedure and MS has not responded with Activate Secondary PDP Context Request. Such retransmitted requests are dropped/ignored. |
| Linked PDP deact coll | Total number of IPCA Response messages not sent due to linked PDP deactivation collision with NRSPCA procedure. |
| Initiate PDP Context Activation Denied | This group of counters indicates the number of IPCA Response messages with failure causes sent to GGSN. (verbose mode only) |
| No resources | Total number of Initiate PDP Context Activation Response messages sent to GGSN with cause "no resources available (199)". |

| Field | Description |
|-------------------------------------|--|
| Service Not Supported | Total number of Initiate PDP Context Activation Response messages sent to GGSN with cause "service not supported (200)". |
| System Failure | Total number of Initiate PDP Context Activation Response messages sent to GGSN with cause "system failure (204)". |
| Mandatory IE incorrect | Total number of Initiate PDP Context Activation Response messages sent to GGSN with cause "mandatory IE incorrect (201)". |
| Mandatory IE missing | Total number of Initiate PDP Context Activation Response messages sent to GGSN with cause "mandatory IE missing (202)". |
| Optional IE incorrect | Total number of Initiate PDP Context Activation Response messages sent to GGSN with cause "optional IE incorrect (203)". |
| Invalid message format | Total number of Initiate PDP Context Activation Response messages sent to GGSN with cause "invalid message format (193)". |
| Context not found | Total number of Initiate PDP Context Activation Response messages sent to GGSN with cause "Context not found (210)". |
| Semantic Error in TFT | Total number of Initiate PDP Context Activation Response messages sent to GGSN with cause "semantic error in TFT operation (215)". |
| Syntactic Error in TFT | Total number of Initiate PDP Context Activation Response messages sent to GGSN with cause "syntactic error in TFT operation (216)". |
| Semantic Error in Pkt Filter | Total number of Initiate PDP Context Activation Response messages sent to GGSN with cause "semantic error in PKT filter (217)". |
| Syntactic Error in Pkt Filter | Total number of Initiate PDP Context Activation Response messages sent to GGSN with cause "syntactic error in PKT filter (218)". |
| MS is not GPRS responding | Total number of Initiate PDP Context Activation Response messages sent to GGSN with cause "MS is not GPRS responding (196)". |
| MS refuses | Total number of Initiate PDP Context Activation Response messages sent to GGSN with cause "MS refuses (197)". |
| Invalid correlation-Id | Total number of Initiate PDP Context Activation Response messages sent to GGSN with cause "invalid correlation Id (225)". |
| PDP Ctxt without TFT already Active | Total number of Initiate PDP Context Activation Response messages sent to GGSN with cause "PDP Ctx without TFT already activated (221)". |

| Field | Description |
|--------------------------------------|--|
| BCM violation | Total number of Initiate PDP Context Activation Response messages sent to GGSN with cause "Bearer Control Mode violation (227)". |
| MS GPRS Suspended | Total number of Initiate PDP Context Activation Response messages sent to GGSN with cause "GPRS Connection Suspended (207)". |
| Unknown cause | Total number of Initiate PDP Context Activation Response messages sent to GGSN with any other cause than mentioned above. |
| Mobility Management Messages: | |
| Identification Request: | |
| Total Ident-Req TX | The total number of identification request messages transmitted. |
| Total Ident-Req RX | The total number of identification request messages received. |
| Initial Ident-Req TX | The total number of initial identification request messages transmitted. |
| Initial Ident-Req RX | The total number of initial identification request messages received. |
| Retrans Ident-Req TX | |
| Identification Response: | |
| Total Ident-Rsp TX | The total number of identification response messages transmitted. |
| Denied TX | |
| Accepted TX | |
| Initial Ident-Rsp TX | |
| Retrans Ident-Rsp TX | |
| Total Ident-Rsp RX | The total number of identification response messages received. |
| Denied RX | |
| Accepted RX | |
| Initial Ident-Rsp RX | |
| Decode Failure RX | |
| SGSN Context Request: | |
| Total SGSN-Ctx-Req TX | The total number of SGSN Context Request messages sent on the Gn/Gp interface. |

| Field | Description |
|-------------------------------|--|
| Total SGSN-Ctx-Req RX | The total number of SGSN Context Request messages received on the Gn/Gp interface. |
| Initial SGSN-Ctx-Req TX | The number of initial SGSN Context Request messages sent on the Gn/Gp interface. |
| Initial SGSN-Ctx-Req RX | The number of initial SGSN Context Request messages received on the Gn/Gp interface. |
| Retrans SGSN-Ctx-Req TX | The number of SGSN Context Request messages retransmitted on the Gn/Gp interface. |
| Retrans SGSN-Ctx-Req RX | The number of SGSN Context Request messages received on the Gn/Gp interface. |
| SGSN Context Response: | |
| Total SGSN-Ctx-Rsp TX | The total number of SGSN Context response messages transmitted on the Gn/Gp interface. |
| Denied TX | |
| Accepted TX | |
| Initial SGSN-Ctx-Rsp TX | |
| Retrans SGSN-Ctx-Rsp TX | |
| Total SGSN-Ctx-Rsp RX | The total number of SGSN Context response messages received on the Gn/Gp interface. |
| Denied RX | |
| Accepted RX | |
| Initial SGSN-Ctx-Rsp RX | |
| Retrans SGSN-Ctx-Rsp RX | |
| Decode Failure RX | |
| SGSN Context Ack: | |
| Total SGSN-Ctx-Ack TX | The total number of SGSN Context Acknowledgement response messages transmitted on the Gn/Gp interface. |
| Denied TX | |
| Accepted TX | |
| Initial SGSN-Ctx-Ack TX | |
| Retrans SGSN-Ctx-Ack TX | |
| Total SGSN-Ctx-Ack RX | The total number of SGSN Context Acknowledgement response messages received on the Gn/Gp interface. |

| Field | Description |
|-------------------------------------|--|
| Denied RX | |
| Accepted RX | |
| Initial SGSN-Ctx-Ack RX | |
| Retrans SGSN-Ctx-Ack RX | |
| Decode Failure RX | |
| Forward Relocation Request: | |
| Total Fwd-Rel-Req TX | The total number of Forward Relocation request messages transmitted. |
| Total Fwd-Rel-Req RX | The total number of Forward Relocation request messages received. |
| Initial Fwd-Rel-Req TX | The total number of initial Forward Relocation request messages transmitted. |
| Initial Fwd-Rel-Req RX | The total number of initial Forward Relocation request messages received. |
| Retrans Fwd-Rel-Req TX | |
| Retrans Fwd-Rel-Req RX | |
| Forward Relocation Response: | |
| Total Fwd-Rel-Rsp TX | The total number of Forward Relocation response messages transmitted. |
| Denied TX | |
| Accepted TX | |
| Initial Fwd-Rel-Rsp TX | |
| Retrans Fwd-Rel-Rsp TX | |
| Total Fwd-Rel-Rsp RX | The total number of Forward Relocation response messages received. |
| Denied RX | |
| Accepted RX | |
| Initial Fwd-Rel-Rsp RX | |
| Decode Failure RX | |
| Forward SRNS Context: | |
| Total Fwd-SRNS-Ctx TX | The total number of Forward Serving Radio Network Subsystem (SRNS) Context request messages transmitted. |

| Field | Description |
|---|--|
| Total Fwd-SRNS-Ctx RX | The total number of Forward Serving Radio Network Subsystem (SRNS) Context request messages received. |
| Initial Fwd-SRNS-Ctx TX | |
| Initial Fwd-SRNS-Ctx RX | |
| Retrans Fwd-SRNS-Ctx TX | |
| Retrans Fwd-SRNS-Ctx RX | |
| Forward SRNS Context Ack: | |
| Total SRNS-Ctx-Ack TX | The total number of Forward Serving Radio Network Subsystem (SRNS) Context Acknowledgement messages transmitted. |
| Denied TX | |
| Accepted TX | |
| Initial SRNS-Ctx-Ack TX | |
| Retrans SRNS-Ctx-Ack TX | |
| Total SRNS-Ctx-Ack RX | The total number of Forward Serving Radio Network Subsystem (SRNS) Context Acknowledgement messages received. |
| Denied RX | |
| Accepted RX | |
| Initial SRNS-Ctx-Ack RX | |
| Decode Failure RX | |
| Forward Relocation Complete: | |
| Total Fwd-Rel-Cmp TX | The total number of Forward Relocation Complete messages transmitted. |
| Total Fwd-Rel-Cmp RX | The total number of Forward Relocation Complete messages received. |
| Initial Fwd-Rel-Cmp TX | |
| Initial Fwd-Rel-Cmp RX | |
| Retrans Fwd-Rel-Cmp TX | |
| Retrans Fwd-Rel-Cmp RX | |
| Forward Relocation Complete Ack: | |
| Total Rel-Cmp-Ack TX | The total number of Relocation Complete Acknowledgement messages transmitted. |

| Field | Description |
|------------------------------------|--|
| Denied TX | |
| Accepted TX | |
| Initial Rel-Cmp-Ack TX | |
| Retrans SRNS-Ctx-Ack TX | |
| Total Rel-Cmp-Ack RX | The total number of Relocation Complete Acknowledgement messages received. |
| Denied RX | |
| Accepted RX | |
| Initial Rel-Cmp-Ack RX | |
| Decode Failure RX | |
| Relocation Cancel Request: | |
| Total Rel-Can-Req TX | The total number of Relocation Cancel request messages transmitted. |
| Total Rel-Can-Req RX | The total number of Relocation Cancel request messages received. |
| Initial Rel-Can-Req TX | |
| Initial Rel-Can-Req RX | |
| Retrans Rel-Can-Req TX | |
| Retrans Rel-Can-Req RX | |
| Relocation Cancel Response: | |
| Total Rel-Can-Rsp TX | The total number of Relocation Cancel response messages transmitted. |
| Denied TX | |
| Accepted TX | |
| Initial Rel-Can-Rsp TX | |
| Retrans Rel-Can-Rsp TX | |
| Total Rel-Can-Rsp RX | The total number of Relocation Cancel response messages received. |
| Denied RX | |
| Accepted RX | |
| Initial Rel-Can-Rsp RX | |

| Field | Description |
|--------------------------------------|---|
| Decode Failure RX | |
| Path Management Messages: | |
| Echo Request: | |
| Total Echo-Req TX | The total number of Echo request messages transmitted. |
| Total Echo-Req RX | The total number of Echo request messages received. |
| Initial Echo-Req TX | The total number of initial Echo request messages transmitted. |
| Initial Echo-Req RX | The total number of initial Echo request messages received. |
| Retrans Echo-Req TX | The total number of Echo request messages retransmitted. |
| Echo Response: | |
| Total Echo-Rsp TX | The total number of Echo response messages transmitted. |
| Total Echo-Rsp RX | The total number of Echo response messages received. |
| Version Not Supported | The total number of Echo messages received and transmitted with GTP version not supported. |
| RX | The total number of Echo messages received with GTP version not supported. |
| TX | The total number of Echo messages transmitted with GTP version not supported. |
| Supported Ext. Headers Notif | The total number of Echo messages received and transmitted with supported extension headers notification. |
| RX | The total number of Echo messages received with supported extension headers notification. |
| TX | The total number of Echo messages transmitted with supported extension headers notification. |
| Location Management Messages: | |
| Send Routing Info Request: | |
| Total SRI-Req | The total number of Send Routing Information (SRI) request messages transmitted to the HLR(s). |
| Initial SRI-Req | The total number of initial Send Routing Information (SRI) request messages transmitted to the HLR(s). |
| Retrans SRI-Req | The total number of Send Routing Information (SRI) request messages retransmitted to the HLR(s). |
| Send Routing Info Response: | |

| Field | Description |
|---------------------------------------|---|
| Total SRI-Rsp | The total number of Send Routing Information (SRI) response messages transmitted to the HLR(s). |
| Denied | The total number of initial Send Routing Information (SRI) response messages transmitted to the HLR(s). |
| Accepted | The total number of Send Routing Information (SRI) response messages retransmitted to the HLR(s). |
| Initial SRI-Rsp | |
| Retrans SRI-Rsp | |
| Failure Report Request: | |
| Total Fail-Rpt-Req | The total number of fail report request messages transmitted. |
| Initial Fail-Rpt-Req | The total number of initial fail report request messages transmitted. |
| Retrans Fail-Rpt-Req | The total number of fail report request messages retransmitted. |
| Failure Report Response: | |
| Total Fail-Rpt-Rsp | The total number of fail report response messages transmitted. |
| Denied | |
| Accepted | |
| Initial Fail-Rpt-Rsp | The total number of initial fail report response messages transmitted. |
| Retrans Fail-Rpt-Rsp | The total number of fail report response messages retransmitted. |
| Note Ms Gprs Present Request: | |
| Total Note-Ms-Gprs-Req | The total number of Note MS GPRS Present request messages received from the HLR(s). |
| Initial Note-Ms-Gprs-Req | The total number of initial Note MS GPRS Present request messages received from the HLR(s). |
| Retrans Note-Ms-Gprs-Req | The total number of Note MS GPRS Present request messages retransmitted. |
| Note Ms Gprs Present Response: | |
| Total Note-Ms-Gprs-Rsp | The total number of Note MS GPRS Present response messages transmitted to the HLR(s). |
| Denied | The total number of "deny" Note MS GPRS Present response messages transmitted to the HLR(s). |
| Accepted | The total number of Note MS GPRS Present response messages transmitted to the HLR(s) containing a cause value of 128 (80H, Request accepted). |

| Field | Description |
|---|--|
| Initial Note-Ms-Gprs-Rsp | |
| Decode Failure | |
| MS Info Change Notification Request: | |
| Total MICN-Req | |
| Initial MICN-Req | |
| Retrans MICN-Req | |
| MS Info Change Notification Response: | |
| Total MICN-Rsp | |
| Denied | |
| Dropped | |
| Accepted | |
| MBMS Bearer Service specific Messages: This group lists statistics related to Multimedia Broadcast Multicast Service (MBMS) bearer messages. | |
| MBMS Session Start Request: | |
| Total Sess-Start-Req | The total number of MBMS Session Start request messages transmitted. |
| Initial Sess-Start-Req | The total number of initial MBMS Session Start request messages transmitted. |
| Retrans Sess-Start-Req | The total number of MBMS Session Start request messages retransmitted. |
| MBMS Session Start Response: | |
| Total Sess-Start-Rsp | The total number of MBMS Session Start response messages received. |
| Denied | The total number of MBMS Session Start response messages denied. |
| Accepted | The total number of MBMS Session Start response messages accepted. |
| Initial Sess-Start-Rsp | The total number of initial MBMS Session Start response messages received. |
| Retrans Sess-Start-Rsp | The total number of MBMS Session Start response messages retransmitted. |
| MBMS Session Stop Request: | |

| Field | Description |
|--------------------------------------|--|
| Total Sess-Stop-Req | The total number of MBMS Session Stop request messages transmitted. |
| Initial Sess-Stop-Req | The total number of MBMS Session Start request messages transmitted. |
| Retrans Sess-Stop-Req | The total number of MBMS Session Start request messages transmitted. |
| MBMS Session Stop Response: | |
| Total Sess-Stop-Rsp | The total number of MBMS Session Stop response messages transmitted. |
| Denied | The total number of MBMS Session Stop response messages denied. |
| Accepted | The total number of MBMS Session Stop response messages accepted. |
| Initial Sess-Stop-Rsp | The total number of initial MBMS Session Stop response messages transmitted. |
| Retrans Sess-Stop-Rsp | The total number of MBMS Session Stop response messages retransmitted. |
| MBMS Session Update Request: | |
| Total Sess-Update-Req | The total number of MBMS Session Update request messages transmitted. |
| Initial Sess-Update-Req | The total number of initial MBMS Session Update request messages transmitted. |
| Retrans Sess-Update-Req | The total number of MBMS Session Update request messages retransmitted. |
| MBMS Session Update Response: | |
| Total Sess-Update-Rsp | The total number of MBMS Session Update response messages transmitted. |
| Denied | The total number of MBMS Session Update response messages denied. |
| Accepted | The total number of MBMS Session Update response messages accepted. |
| Initial Sess-Update-Rsp | The total number of initial MBMS Session Update response messages transmitted. |
| Retrans Sess-Update-Rsp | The total number of MBMS Session Update response messages retransmitted. |
| MBMS Registration Request: | |
| Total Reg-Req TX | The total number of MBMS Registration request messages transmitted. |

| Field | Description |
|---------------------------------------|---|
| Initial Reg-Req TX | The total number of initial MBMS Registration request messages transmitted. |
| Retrans Reg-Req TX | The total number of MBMS Registration request messages retransmitted. |
| MBMS Registration Response: | |
| Total Reg-Rsp RX | The total number of MBMS Registration response messages received. |
| Denied RX | The total number of MBMS Registration response messages denied. |
| Accepted RX | The total number of MBMS Registration response messages accepted. |
| Initial Reg-Rsp RX | The total number of initial MBMS Registration response messages received. |
| Decode Failure RX | The total number of MBMS Registration response messages received with a decode failure. |
| MBMS De-Registration Request: | |
| Total De-Reg-Req TX | The total number of MBMS De-Registration request messages transmitted. |
| Total De-Reg-Req RX | The total number of MBMS De-Registration request messages received. |
| Initial De-Reg-Req TX | The total number of initial MBMS De-Registration request messages transmitted. |
| Initial De-Reg-Req RX | The total number of initial MBMS De-Registration request messages received. |
| Retrans De-Reg-Req TX | The total number of retransmitted MBMS De-Registration request messages transmitted. |
| Retrans De-Reg-Req RX | The total number of retransmitted MBMS De-Registration request messages received. |
| MBMS De-Registration Response: | |
| Total De-Reg-Rsp TX | |
| Total De-Reg-Rsp RX | |
| Denied TX | |
| Denied RX | |
| Accepted TX | |
| Accepted RX | |

| Field | Description |
|---|--|
| Initial De-Reg-Rsp TX | |
| Initial De-Reg-Rsp RX | |
| Retrans De-Reg-Rsp TX | |
| Decode Failure RX | |
| Path Failure Statistics: | |
| Number of Path Failures due to Echo Request Timeout | |
| Number of Deactivations due to Echo Request Timeout | |
| Number of Path Failures due to Non Echo Request Timeout | |
| Number of Deactivations due to Non Echo Request Time | |
| Number of Path Failures due to Restart Counter Change in Echo Response | |
| Number of Restart Counter Changes verified using Echo Response | |
| Number of Restart Counter Changes in Echo Response | |
| Number of Path Failures due to Restart Counter Change in Non Echo Response | |
| Number of Deactivations due to Restart Counter Change | |
| Number of Incorrect Path Failures detected by Session Manager | |
| MBMS UE specific Messages: This group lists statistics related to Multimedia Broadcast Multicast Service (MBMS) UE messages. | |
| MBMS Notification Request: | |
| Total MBMS-Not-Req RX | The total number of MBMS notification request messages received. |
| Initial MBMS-Not-Req RX | The total number of initial MBMS notification request messages received. |
| Retrans MBMS-Not-Req RX | The total number of retransmitted MBMS notification request messages received. |
| MBMS Notification Response: | |
| Total MBMS-Not-Rsp TX | The total number of MBMS notification response messages transmitted. |
| Denied TX | |
| Accepted TX | |

| Field | Description |
|---|---|
| Initial MBMS-Not-Rsp TX | The total number of initial MBMS notification response messages transmitted. |
| Retrans MBMS-Not-Rsp TX | The total number of retransmitted MBMS notification response messages transmitted. |
| MBMS Notification Reject Request: | |
| Total MBMS-Not-Rej-Req TX | |
| Initial MBMS-Not-Rej-Req TX | |
| Retrans MBMS-Not-Rej-Req TX | |
| MBMS Notification Reject Response: | |
| Total MBMS-Not-Rej-Rsp RX | |
| Denied RX | |
| Accepted RX | |
| Initial MBMS-Not-Rej-Rsp | |
| Decode Failure RX | |
| Create MBMS Context Request: | |
| Total CMC-Req TX | The total number of Create MBMS Context request messages transmitted. |
| Initial CMC-Req TX | The total number of initial Create MBMS Context request messages transmitted. |
| Retrans CMC-Req TX | The total number of retransmitted Create MBMS Context request messages transmitted. |
| Create MBMS Context Response: | |
| Total CMC-Rsp RX | |
| Denied RX | |
| Accepted RX | |
| Initial CMC-Rsp RX | |
| Decode Failure RX | |
| Update MBMS Context Request: | |
| Total UMC-Req TX | The total number of Update MBMS Context request messages transmitted. |
| Initial UMC-Req TX | The total number of initial Update MBMS Context request messages transmitted. |

| Field | Description |
|--------------------------------------|---|
| Retrans UMC-Req TX | The total number of retransmitted Update MBMS Context request messages transmitted. |
| Update MBMS Context Response: | |
| Total UMC-Rsp RX | |
| Denied RX | |
| Accepted RX | |
| Initial UMC-Rsp RX | |
| Decode Failure RX | |
| Delete MBMS Context Request: | |
| Total DMC-Req TX | |
| Total DMC-Req RX | |
| Initial DMC-Req TX | |
| Initial DMC-Req RX | |
| Retrans DMC-Req TX | |
| Retrans DMC-Req RX | |
| Delete MBMS Context Response: | |
| Total DMC-Rsp TX | |
| Total DMC-Rsp RX | |
| Denied TX | |
| Denied RX | |
| Accepted TX | |
| Accepted RX | |
| Initial DMC-Rsp TX | |
| Initial DMC-Rsp RX | |
| Decode Failure RX | |
| RAN info Relay Msg: | |
| Total messages received | The total number of RAN Information Relay (RIM) messages received. |

| Field | Description |
|-----------------------------|--|
| Total messages sent | The total number of RAN Information Relay (RIM) messages transmitted. |
| Total messages dropped | The total number of RAN Information Relay (RIM) messages dropped. |
| due to DNS failure | The total number of RAN Information Relay (RIM) messages dropped due to a DNS failure. |
| due to RIM disabled in SGSN | The total number of RAN Information Relay (RIM) messages dropped due to lack of support by the SGSN. |
| due to Invalid Routing Addr | The total number of RAN Information Relay (RIM) messages dropped due to an invalid routing address. |