



Bulk Statistics Changes Quick Reference

This chapter identifies bulk statistics changes added to, modified for, or deprecated from the StarOS 21.27 software release.



Important For more information regarding bulk statistics identified in this section, see the latest version of the *BulkstatStatistics_document.xls* spreadsheet supplied with the release.

Bulk statistics changes for 21.27 include:

- [New Bulk Statistics, on page 1](#)
- [Modified Bulk Statistics, on page 28](#)
- [Deprecated Bulk Statistics, on page 28](#)

New Bulk Statistics

ePDG Schema

The following bulkstatistics are added in the ePDG schema as part of the IKEv2 Authentication Failure Counters feature.

Bulk Statistics Variables	Description
ikev2-auth-failnodea	The total number of non DEA messages.
ikev2-auth-failinvresoravp	The total number of invalid result code or AVP in the DEA message.
ikev2-auth-failmissingavp	The total number of missing AVPs in the DEA message.
ikev2-auth-failinvnaifformat	The total number of invalid NAI formats.
ikev2-auth-failinvapn	The total number of invalid APNs.
ikev2-auth-failapnvalfailed	The total number of failed APN validations.

Bulk Statistics Variables	Description
ikev2-auth-failkeymismatch	The total number of key mismatches in the authentication vectors.
ikev2-auth-failmiscauth	The total number of miscellaneous authentication failures.

SaMOG Schema

The following bulkstatistics are added in the SaMOG schema as a part of the Capability to Record and Produce Call Transactions feature.

Bulk Statistics Variables	Description
sess-samog-total-number-event-records	The total number of SaMOG session event records.
sess-samog-total-s2a-event-records	The total number of SaMOG S2a event records.
sess-samog-total-csr-event-records	The total number of SaMOG CSR event records.
sess-samog-total-cbr-event-records	The total number of SaMOG CBR event records.
sess-samog-total-dsr-event-records	The total number of SaMOG DSR event records.
sess-samog-total-dbr-event-records	The total number of SaMOG DBR event records.
sess-samog-total-ubr-event-records	The total number of SaMOG UBR event records.
sess-samog-total-ipv6-ra-event-records	The total number of SaMOG IPv6 RA event records.
sess-samog-total-ra-prefix-event-records	The total number of SaMOG RA prefix event records.
sess-samog-total-dhcpv4-event-records	The total number of SaMOG DHCPv4 event records.
sess-samog-total-dhcpv4-disc-offer-event-records	The total number of SaMOG DHCPv4 discovery offer event records.
sess-samog-total-dhcpv4-req-ack-event-records	The total number of SaMOG DHCPv4 request acknowledgement event records.
sess-samog-total-dhcpv4-rel-ack-event-records	The total number of SaMOG DHCPv4 release acknowledgement event records.
sess-samog-total-rad-auth-event-records	The total number of SaMOG Radius Authentication event records.
sess-samog-total-rad-auth-acc-req-chal-event-records	The total number of SaMOG Radius Authentication access request challenge event records.
sess-samog-total-rad-auth-acc-req-acpt-event-records	The total number of SaMOG Radius Authentication access request accepted event records.
sess-samog-total-rad-auth-disc-req-event-records	The total of number SaMOG Radius Authentication disconnect request event records.

Bulk Statistics Variables	Description
sess-samog-total-rad-acct-event-records	The total number of SaMOG Radius Accounting event records.
sess-samog-total-rad-acct-wlc-event-records	The total number of SaMOG Radius Accounting event records from Wireless LAN Controller.
aaa-samog-total-rad-acct-aaa-event-records	The total number of SaMOG Radius Accounting event records to AAA.
aaa-samog-total-sta-event-records	The total number of SaMOG STa event records.
aaa-samog-total-sta-aar-event-records	The total number of SaMOG STa AAR event records.
aaa-samog-total-sta-der-event-records	The total number of SaMOG STa DER event records.
aaa-samog-total-sta-asr-event-records	The total number of SaMOG STa ASR event records.
aaa-samog-total-sta-rar-event-records	The total number of SaMOG STa RAR event records.
aaa-samog-total-sta-str-event-records	The total number of SaMOG STa STR event records.

MME Schema

The following bulkstatistics are added in the MME schema as part of the LTE M-RAT Indication Support feature.

Variables	Description
LTE-M Attached Calls	The current total number of attached low power Subscribers which are operating in Category M.

Table 1: Bulk Statistic Variables in the P-GW Service Schema

Variables	Description	Data Type
subdatastat-totuppkfwd-64b	Subscriber Data Statistics - Total Uplink packets forwarded Type: Counter	Int64
subdatastat-uppkfwd-qci1-64b	Subscriber Data Statistics -Uplink packets forwarded - QCI 1 Type: Counter	Int64
subdatastat-uppkfwd-qci2-64b	Subscriber Data Statistics -Uplink packets forwarded - QCI 2 Type: Counter	Int64
subdatastat-uppkfwd-qci3-64b	Subscriber Data Statistics -Uplink packets forwarded - QCI 3 Type: Counter	Int64

Variables	Description	Data Type
subdatastat-uppkfwd-qci4-64b	Subscriber Data Statistics -Uplink packets forwarded - QCI 4 Type: Counter	Int64
subdatastat-uppkfwd-qci5-64b	Subscriber Data Statistics -Uplink packets forwarded - QCI 5 Type: Counter	Int64
subdatastat-uppkfwd-qci6-64b	Subscriber Data Statistics -Uplink packets forwarded - QCI 6 Type: Counter	Int64
subdatastat-uppkfwd-qci7-64b	Subscriber Data Statistics -Uplink packets forwarded - QCI 7 Type: Counter	Int64
subdatastat-uppkfwd-qci8-64b	Subscriber Data Statistics -Uplink packets forwarded - QCI 8 Type: Counter	Int64
subdatastat-uppkfwd-qci9-64b	Subscriber Data Statistics -Uplink packets forwarded - QCI 9 Type: Counter	Int64
subdatastat-uppkfwd-stdqcinongbr-64b	Subscriber Data Statistics - Uplink packets forwarded - Standard QCI (Non-GBR) Type: Counter	Int64
subdatastat-uppkfwd-stdqciubr-64	Subscriber Data Statistics - Uplink packets forwarded - Standard QCI (GBR) Type: Counter	Int64
subdatastat-uppkfwd-qcinongbr-64b	Subscriber Data Statistics - Uplink packets forwarded - Non-Standard QCI (Non-GBR) Type: Counter	Int64
subdatastat-uppkfwd-qciubr-64b	Subscriber Data Statistics - Uplink packets forwarded - Non-Standard QCI (GBR) Type: Counter	Int64
subdatastat-uppkfwd-totgbr-64b	Subscriber Data Statistics - Uplink packets forwarded - Total GBR Type: Counter	Int64

Variables	Description	Data Type
subdatastat-uppktfwd-totnongbr-64b	Subscriber Data Statistics - Uplink packets forwarded - Total Non-GBR Type: Counter	Int64
subdatastat-totulpktfwd-s5-64b	Interface Data Statistics - Uplink packets forwarded Type: Counter	Int64
subdatastat-totulpktfwd-s8-64b	Interface Data Statistics - Uplink packets forwarded Type: Counter	Int64
subdatastat-totulpktfwd-s2a-64b	Interface Data Statistics - Uplink packets forwarded Type: Counter	Int64
subdatastat-totulpktfwd-s2b-64b	Interface Data Statistics - Uplink packets forwarded Type: Counter	Int64
subdatastat-uppktfwd-qci65-64b	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 65 Type: Counter	Int64
subdatastat-uppktfwd-qci66-64b	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 66 Type: Counter	Int64
subdatastat-uppktfwd-qci69-64b	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 69 Type: Counter	Int64
subdatastat-uppktfwd-qci70-64b	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 70 Type: Counter	Int64
subdatastat-uppktfwd-qci80-64b	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 80 Type: Counter	Int64

Variables	Description	Data Type
subdatastat-uppkfwd-qci82-64b	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 82 Type: Counter	Int64
subdatastat-uppkfwd-qci83-64b	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 83 Type: Counter	Int64
subdatastat-totdownpkfwd-64b	Subscriber Data Statistics - Total Downlink packets forwarded Type: Counter	Int64
subdatastat-downpkfwd-qci1-64b	Subscriber Data Statistics - Downlink packets forwarded - QCI 1 Type: Counter	Int64
subdatastat-downpkfwd-qci2-64b	Subscriber Data Statistics - Downlink packets forwarded - QCI 2 Type: Counter	Int64
subdatastat-downpkfwd-qci3-64b	Subscriber Data Statistics - Downlink packets forwarded - QCI 3 Type: Counter	Int64
subdatastat-downpkfwd-qci4-64b	Subscriber Data Statistics - Downlink packets forwarded - QCI 4 Type: Counter	Int64
subdatastat-downpkfwd-qci5-64b	Subscriber Data Statistics - Downlink packets forwarded - QCI 5 Type: Counter	Int64
subdatastat-downpkfwd-qci6-64b	Subscriber Data Statistics - Downlink packets forwarded - QCI 6 Type: Counter	Int64
subdatastat-downpkfwd-qci7-64b	Subscriber Data Statistics - Downlink packets forwarded - QCI 7 Type: Counter	Int64
subdatastat-downpkfwd-qci8-64b	Subscriber Data Statistics - Downlink packets forwarded - QCI 8 Type: Counter	Int64

Variables	Description	Data Type
subdatastat-downpktfwd-qci9-64b	Subscriber Data Statistics - Downlink packets forwarded - QCI 9 Type: Counter	Int64
subdatastat-downpktfwd-stdqcinongbr-64b	Subscriber Data Statistics - Downlink packets forwarded - Standard QCI (Non-GBR) Type: Counter	Int64
subdatastat-downpktfwd-stdqcigr-64b	Subscriber Data Statistics - Downlink packets forwarded - Standard QCI (GBR) Type: Counter	Int64
subdatastat-downpktfwd-qcinongbr-64b	Subscriber Data Statistics - Downlink packets forwarded - Non-Standard QCI (Non-GBR) Type: Counter	Int64
subdatastat-downpktfwd-qcigr-64b	Subscriber Data Statistics - Downlink packets forwarded - Non-Standard QCI (GBR) Type: Counter	Int64
subdatastat-downpktfwd-totgbr-64b	Subscriber Data Statistics - Downlink packets forwarded - Total GBR Type: Counter	Int64
subdatastat-downpktfwd-totnongbr-64b	Subscriber Data Statistics - Downlink packets forwarded - Total Non-GBR Type: Counter	Int64
subdatastat-totdlpktfwd-s5-64b	Interface Data Statistics -Downlink packets forwarded Type: Counter	Int64
subdatastat-totdlpktfwd-s8-64b	Interface Data Statistics -Downlink packets forwarded Type: Counter	Int64
subdatastat-totdlpktfwd-s2a-64b	Interface Data Statistics -Downlink packets forwarded Type: Counter	Int64
subdatastat-totdlpktfwd-s2b-64b	Interface Data Statistics -Downlink packets forwarded Type: Counter	Int64

Variables	Description	Data Type
subdatastat-downpktfwd-qci65-64b	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 65 Type: Counter	Int64
subdatastat-downpktfwd-qci66-64b	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 66 Type: Counter	Int64
subdatastat-downpktfwd-qci69-64b	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 69 Type: Counter	Int64
subdatastat-downpktfwd-qci70-64b	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 70 Type: Counter	Int64
subdatastat-downpktfwd-qci80-64b	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 80 Type: Counter	Int64
subdatastat-downpktfwd-qci82-64b	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 82 Type: Counter	Int64
subdatastat-downpktfwd-qci83-64b	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 83 Type: Counter	Int64
Important For information on statistics that are common to all schema see the <i>Statistics and Counters Overview</i> chapter.		

The following bulk statistics are added to the SAEGW schema:



Note In 21.27 and later releases, the following bulkstats counters are supported in both INT32 and INT64 data types.

Table 2: Bulk Statistic Variables in the SAEGW Service Schema

Variables	Description	Data Type
pgw-subdatastat-totulpktfwd-64b	P-GW Subscriber Data Statistics: Total Uplink packets forwarded Type: Counter	Int64
pgw-subdatastat-ulpktfwd-qci1-64b	P-GW Subscriber Data Statistics: Uplink packets forwarded - QCI 1 Type: Counter	Int64
pgw-subdatastat-ulpktfwd-qci2-64b	P-GW Subscriber Data Statistics: Uplink packets forwarded - QCI 2 Type: Counter	Int64
pgw-subdatastat-ulpktfwd-qci3-64b	P-GW Subscriber Data Statistics: Uplink packets forwarded - QCI 3 Type: Counter	Int64
pgw-subdatastat-ulpktfwd-qci4-64b	P-GW Subscriber Data Statistics: Uplink packets forwarded - QCI 4 Type: Counter	Int64
pgw-subdatastat-ulpktfwd-qci5-64b	P-GW Subscriber Data Statistics: Uplink packets forwarded - QCI 5 Type: Counter	Int64
pgw-subdatastat-ulpktfwd-qci6-64b	P-GW Subscriber Data Statistics: Uplink packets forwarded - QCI 6 Type: Counter	Int64
pgw-subdatastat-ulpktfwd-qci7-64b	P-GW Subscriber Data Statistics: Uplink packets forwarded - QCI 7 Type: Counter	Int64
pgw-subdatastat-ulpktfwd-qci8-64b	P-GW Subscriber Data Statistics: Uplink packets forwarded - QCI 8 Type: Counter	Int64
pgw-subdatastat-ulpktfwd-qci9-64b	P-GW Subscriber Data Statistics: Uplink packets forwarded - QCI 9 Type: Counter	Int64
pgw-subdatastat-ulpktfwd-qci65-64b	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 65 on a P-GW (as part of the SAEGW) Type: Counter	Int64

Variables	Description	Data Type
pgw-subdatastat-ulpktfwd-qci66-64b	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 66 on a P-GW (as part of the SAEGW) Type: Counter	Int64
pgw-subdatastat-ulpktfwd-qci69-64b	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 69 on a P-GW (as part of the SAEGW) Type: Counter	Int64
pgw-subdatastat-ulpktfwd-qci70-64b	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 70 on a P-GW (as part of the SAEGW) Type: Counter	Int64
pgw-subdatastat-ulpktfwd-stdqcinongbr-64b	P-GW Subscriber Data Statistics: Uplink packets forwarded - Standard QCI (Non-GBR) Type: Counter	Int64
pgw-subdatastat-ulpktfwd-stdqcigr-64b	P-GW Subscriber Data Statistics: Uplink packets forwarded - Standard QCI (GBR) Type: Counter	Int64
pgw-subdatastat-ulpktfwd-qcinongbr-64b	P-GW Subscriber Data Statistics: Uplink packets forwarded - Non-Standard QCI (Non-GBR) Type: Counter	Int64
pgw-subdatastat-ulpktfwd-qcigr-64b	P-GW Subscriber Data Statistics: Uplink packets forwarded - Non-Standard QCI (GBR) Type: Counter	Int64
pgw-subdatastat-ulpktfwd-totgbr-64b	P-GW Subscriber Data Statistics: Uplink packets forwarded - Total GBR Type: Counter	Int64
pgw-subdatastat-ulpktfwd-totnongbr-64b	P-GW Subscriber Data Statistics: Uplink packets forwarded - Total Non-GBR Type: Counter	Int64
pgw-subdatastat-totdlpktfwd-64b	P-GW Subscriber Data Statistics: Total Downlink packets forwarded Type: Counter	Int64

Variables	Description	Data Type
pgw-subdatastat-dlpktfwd-qci1-64b	P-GW Subscriber Data Statistics: Downlink packets forwarded - QCI 1 Type: Counter	Int64
pgw-subdatastat-dlpktfwd-qci2-64b	P-GW Subscriber Data Statistics: Downlink packets forwarded - QCI 2 Type: Counter	Int64
pgw-subdatastat-dlpktfwd-qci3-64b	P-GW Subscriber Data Statistics: Downlink packets forwarded - QCI 3 Type: Counter	Int64
pgw-subdatastat-dlpktfwd-qci4-64b	P-GW Subscriber Data Statistics: Downlink packets forwarded - QCI 4 Type: Counter	Int64
pgw-subdatastat-dlpktfwd-qci5-64b	P-GW Subscriber Data Statistics: Downlink packets forwarded - QCI 5 Type: Counter	Int64
pgw-subdatastat-dlpktfwd-qci6-64b	P-GW Subscriber Data Statistics: Downlink packets forwarded - QCI 6 Type: Counter	Int64
pgw-subdatastat-dlpktfwd-qci7-64b	P-GW Subscriber Data Statistics: Downlink packets forwarded - QCI 7 Type: Counter	Int64
pgw-subdatastat-dlpktfwd-qci8-64b	P-GW Subscriber Data Statistics: Downlink packets forwarded - QCI 8 Type: Counter	Int64
pgw-subdatastat-dlpktfwd-qci9-64b	P-GW Subscriber Data Statistics: Downlink packets forwarded - QCI 9 Type: Counter	Int64
pgw-subdatastat-dlpktfwd-qci65-64b	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 65 on a P-GW (as part of the SAEGW) Type: Counter	Int64

Variables	Description	Data Type
pgw-subdatastat-dlpktfwd-qci66-64b	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 66 on a P-GW (as part of the SAEGW) Type: Counter	Int64
pgw-subdatastat-dlpktfwd-qci69-64b	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 69 on a P-GW (as part of the SAEGW) Type: Counter	Int64
pgw-subdatastat-dlpktfwd-qci70-64b	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 70 on a P-GW (as part of the SAEGW) Type: Counter	Int64
pgw-subdatastat-dlpktfwd-stdqcinongbr-64b	P-GW Subscriber Data Statistics: Downlink packets forwarded - Standard QCI (Non-GBR) Type: Counter	Int64
pgw-subdatastat-dlpktfwd-stdqcigr-64b	P-GW Subscriber Data Statistics: Downlink packets forwarded - Standard QCI (GBR) Type: Counter	Int64
pgw-subdatastat-dlpktfwd-qcinongbr-64b	P-GW Subscriber Data Statistics: Downlink packets forwarded - Non-Standard QCI (Non-GBR) Type: Counter	Int64
pgw-subdatastat-dlpktfwd-qcigr-64b	P-GW Subscriber Data Statistics: Downlink packets forwarded - Non-Standard QCI (GBR) Type: Counter	Int64
pgw-subdatastat-dlpktfwd-totgbr-64b	P-GW Subscriber Data Statistics: Downlink packets forwarded - Total GBR Type: Counter	Int64
pgw-subdatastat-dlpktfwd-totnongbr-64b	P-GW Subscriber Data Statistics: Downlink packets forwarded - Total Non-GBR Type: Counter	Int64

Variables	Description	Data Type
pgw-subdatastat-totdlpktfwd-s5-64b	Interface Data Statistics -Downlink packets forwarded Type: Counter	Int64
pgw-subdatastat-totulpktfwd-s5-64b	Description: Subscriber Data Statistics - Total Uplink packets forwarded by S5 P-GW in SAEGW setup. Triggers: This counter is updated when uplink packet is forwarded by S5 P-GW in SAEGW setup. Availability: Per SAEGW Service Standard or Proprietary: Proprietary Type: Counter	Int64
pgw-subdatastat-totulpktfwd-s8-64b	Description: Subscriber Data Statistics - Total Uplink packets forwarded by S8 P-GW in SAEGW setup. Triggers: This counter is updated when uplink packet is forwarded by S8 P-GW in SAEGW setup. Availability: Per SAEGW Service Standard or Proprietary: Proprietary Type: Counter	Int64
pgw-subdatastat-totdlpktfwd-s8-64b	Description: Subscriber Data Statistics - Total Uplink bytes forwarded by S8 P-GW in SAEGW setup. Triggers: This counter is updated when uplink packet is forwarded by S8 P-GW in SAEGW setup. Availability: Per SAEGW Service Standard or Proprietary: Proprietary Type: Counter	Int64

Variables	Description	Data Type
pgw-subdatastat-totulpktfwd-s2a-64b	<p>Description: Subscriber Data Statistics - Total Uplink packets forwarded by S2a P-GW in SAEGW setup.</p> <p>Triggers: This counter is updated when uplink packet is forwarded by S2a P-GW in SAEGW setup.</p> <p>Availability: Per SAEGW Service</p> <p>Standard or Proprietary: Proprietary</p> <p>Type: Counter</p>	Int64
pgw-subdatastat-totdlpktfwd-s2a-64b	<p>Description: Subscriber Data Statistics - Total Uplink bytes forwarded by S2a P-GW in SAEGW setup.</p> <p>Triggers: This counter is updated when uplink packet is forwarded by S2a P-GW in SAEGW setup.</p> <p>Availability: Per SAEGW Service</p> <p>Standard or Proprietary: Proprietary</p> <p>Type: Counter</p>	Int64
pgw-subdatastat-totulpktfwd-s2b-64b	<p>Description: Subscriber Data Statistics - Total Uplink packets forwarded by S2b P-GW in SAEGW setup.</p> <p>Triggers: This counter is updated when uplink packet is forwarded by S2b P-GW in SAEGW setup.</p> <p>Availability: Per SAEGW Service</p> <p>Standard or Proprietary: Proprietary</p> <p>Type: Counter</p>	Int64
pgw-subdatastat-totdlpktfwd-s2b-64b	<p>Description: Subscriber Data Statistics - Total Uplink bytes forwarded by S2b P-GW in SAEGW setup.</p> <p>Triggers: This counter is updated when uplink packet is forwarded by S2b P-GW in SAEGW setup.</p> <p>Availability: Per SAEGW Service</p> <p>Standard or Proprietary: Proprietary</p> <p>Type: Counter</p>	Int64

Variables	Description	Data Type
pgw-subdatastat-dlpktfwd-qci80-64b	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 80 on a P-GW (as part of the SAEGW) Type: Counter	Int64
pgw-subdatastat-dlpktfwd-qci82-64b	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 82 on a P-GW (as part of the SAEGW) Type: Counter	Int64
pgw-subdatastat-dlpktfwd-qci83-64b	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 83 on a P-GW (as part of the SAEGW) Type: Counter	Int64
pgw-subdatastat-ulpktfwd-qci80-64b	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 80 on a P-GW (as part of the SAEGW) Type: Counter	Int64
pgw-subdatastat-ulpktfwd-qci82-64b	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 82 on a P-GW (as part of the SAEGW) Type: Counter	Int64
pgw-subdatastat-ulpktfwd-qci83-64b	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 83 on a P-GW (as part of the SAEGW) Type: Counter	Int64
collapsed-subdatastat-ulpktfwd-qci1-64b	Description: Collapsed Subscriber Data Statistics: Uplink packets forwarded - QCI 1 Availability: Per SAEGW service Trigger: Increments by 1 at sessmgr (P-GW) for a collapsed call for Quality Class Identifier 1 when the UL data packet is forwarded to Gi by P-GW. The UL packets sent by S-GW (of SAEGW) but dropped at P-GW, are not counted. Type: Counter	Int64

Variables	Description	Data Type
collapsed-subdatastat-ulpktfwd-qci2-64b	<p>Description: Collapsed Subscriber Data Statistics: Uplink packets forwarded - QCI 2</p> <p>Availability: Per SAEGW service</p> <p>Trigger: Increments by 1 at sessmgr (P-GW) for a collapsed call for Quality Class Identifier 2 when the UL data packet is forwarded to Gi by P-GW. The UL packets sent by S-GW (of SAEGW) but dropped at P-GW, are not counted.</p> <p>Type: Counter</p>	Int64
collapsed-subdatastat-ulpktfwd-qci3-64b	<p>Description: Collapsed Subscriber Data Statistics: Uplink packets forwarded - QCI 3</p> <p>Availability: Per SAEGW service</p> <p>Trigger: Increments by 1 at sessmgr (P-GW) for a collapsed call for Quality Class Identifier 3 when the UL data packet is forwarded to Gi by P-GW. The UL packets sent by S-GW (of SAEGW) but dropped at P-GW, are not counted.</p> <p>Type: Counter</p>	Int64
collapsed-subdatastat-ulpktfwd-qci4-64b	<p>Description: Collapsed Subscriber Data Statistics: Uplink packets forwarded - QCI 4</p> <p>Availability: Per SAEGW service</p> <p>Trigger: Increments by 1 at sessmgr (P-GW) for a collapsed call for Quality Class Identifier 4 when the UL data packet is forwarded to Gi by P-GW. The UL packets sent by S-GW (of SAEGW) but dropped at P-GW, are not counted.</p> <p>Type: Counter</p>	Int64

Variables	Description	Data Type
collapsed-subdatastat-ulpktfwd-qci5-64b	<p>Description: Collapsed Subscriber Data Statistics: Uplink packets forwarded - QCI 5</p> <p>Availability: Per SAEGW service</p> <p>Trigger: Increments by 1 at sessmgr (P-GW) for a collapsed call for Quality Class Identifier 5 when the UL data packet is forwarded to Gi by P-GW. The UL packets sent by S-GW (of SAEGW) but dropped at P-GW, are not counted.</p> <p>Type: Counter</p>	Int64
collapsed-subdatastat-ulpktfwd-qci6-64b	<p>Description: Collapsed Subscriber Data Statistics: Uplink packets forwarded - QCI 6</p> <p>Availability: Per SAEGW service</p> <p>Trigger: Increments by 1 at sessmgr (P-GW) for a collapsed call for Quality Class Identifier 6 when the UL data packet is forwarded to Gi by P-GW. The UL packets sent by S-GW (of SAEGW) but dropped at P-GW, are not counted.</p> <p>Type: Counter</p>	Int64
collapsed-subdatastat-ulpktfwd-qci7-64b	<p>Description: Collapsed Subscriber Data Statistics: Uplink packets forwarded - QCI 7</p> <p>Availability: Per SAEGW service</p> <p>Trigger: Increments by 1 at sessmgr (P-GW) for a collapsed call for Quality Class Identifier 7 when the UL data packet is forwarded to Gi by P-GW. The UL packets sent by S-GW (of SAEGW) but dropped at P-GW, are not counted.</p> <p>Type: Counter</p>	Int64

Variables	Description	Data Type
collapsed-subdatastat-ulpktfwd-qci8-64b	<p>Description: Collapsed Subscriber Data Statistics: Uplink packets forwarded - QCI 8</p> <p>Availability: Per SAEGW service</p> <p>Trigger: Increments by 1 at sessmgr (P-GW) for a collapsed call for Quality Class Identifier 8 when the UL data packet is forwarded to Gi by P-GW. The UL packets sent by S-GW (of SAEGW) but dropped at P-GW, are not counted.</p> <p>Type: Counter</p>	Int64
collapsed-subdatastat-ulpktfwd-qci9-64b	<p>Description: Collapsed Subscriber Data Statistics: Uplink packets forwarded - QCI 9</p> <p>Availability: Per SAEGW service</p> <p>Trigger: Increments by 1 at sessmgr (P-GW) for a collapsed call for Quality Class Identifier 9 when the UL data packet is forwarded to Gi by P-GW. The UL packets sent by S-GW (of SAEGW) but dropped at P-GW, are not counted.</p> <p>Type: Counter</p>	Int64
collapsed-subdatastat-ulpktfwd-qci65-64b	<p>The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 65 on a SAEGW</p> <p>Type: Counter</p>	Int64
collapsed-subdatastat-ulpktfwd-qci66-64b	<p>The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 66 on a SAEGW</p> <p>Type: Counter</p>	Int64
collapsed-subdatastat-ulpktfwd-qci69-64b	<p>The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 69 on a SAEGW</p> <p>Type: Counter</p>	Int64
collapsed-subdatastat-ulpktfwd-qci70-64b	<p>The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 70 on a SAEGW</p> <p>Type: Counter</p>	Int64

Variables	Description	Data Type
collapsed-subdatastat-ulpktfwd-qci80-64b	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 80 on a SAEGW Type: Counter	Int64
collapsed-subdatastat-ulpktfwd-qci82-64b	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 82 on a SAEGW Type: Counter	Int64
collapsed-subdatastat-ulpktfwd-qci83-64b	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 83 on a SAEGW Type: Counter	Int64
collapsed-subdatastat-dlpktfwd-qci1-64b	Description: Collapsed Data Statistics: Downlink Statistics - QCI 1 Total-Packets Availability: Per SAEGW service Trigger: Increments at sessmgr (P-GW) for a collapsed call per Quality of Class Identifier when the DL data packet is forwarded to ENB. The DL packets sent by P-GW (of SAEGW) but dropped at S-GW, are not counted. Type: Counter	Int64
collapsed-subdatastat-dlpktfwd-qci2-64b	Description: Collapsed Data Statistics: Downlink Statistics - QCI 2 Total-Packets Availability: Per SAEGW service Trigger: Increments at sessmgr (P-GW) for a collapsed call per Quality of Class Identifier 2 when the DL data packet is forwarded to ENB. The DL packets sent by P-GW (of SAEGW) but dropped at S-GW, are not counted. Type: Counter	Int64

Variables	Description	Data Type
collapsed-subdatastat-dlpktfwd-qci3-64b	<p>Description: Collapsed Data Statistics: Downlink Statistics - QCI 3 Total-Packets</p> <p>Availability: Per SAEGW service</p> <p>Trigger: Increments at sessmgr (P-GW) for a collapsed call per Quality of Class Identifier 3 when the DL data packet is forwarded to ENB. The DL packets sent by P-GW (of SAEGW) but dropped at S-GW, are not counted.</p> <p>Type: Counter</p>	Int64
collapsed-subdatastat-dlpktfwd-qci4-64b	<p>Description: Collapsed Data Statistics: Downlink Statistics - QCI 4 Total-Packets</p> <p>Availability: Per SAEGW service</p> <p>Trigger: Increments at sessmgr (P-GW) for a collapsed call per Quality of Class Identifier 4 when the DL data packet is forwarded to ENB. The DL packets sent by P-GW (of SAEGW) but dropped at S-GW, are not counted.</p> <p>Type: Counter</p>	Int64
collapsed-subdatastat-dlpktfwd-qci5-64b	<p>Description: Collapsed Data Statistics: Downlink Statistics - QCI 5 Total-Packets</p> <p>Availability: Per SAEGW service</p> <p>Trigger: Increments at sessmgr (P-GW) for a collapsed call per Quality of Class Identifier 5 when the DL data packet is forwarded to ENB. The DL packets sent by P-GW (of SAEGW) but dropped at S-GW, are not counted.</p> <p>Type: Counter</p>	Int64
collapsed-subdatastat-dlpktfwd-qci6-64b	<p>Description: Collapsed Data Statistics: Downlink Statistics - QCI 6 Total-Packets</p> <p>Availability: Per SAEGW service</p> <p>Trigger: Increments at sessmgr (P-GW) for a collapsed call per Quality of Class Identifier 6 when the DL data packet is forwarded to ENB. The DL packets sent by P-GW (of SAEGW) but dropped at S-GW, are not counted.</p> <p>Type: Counter</p>	Int64

Variables	Description	Data Type
collapsed-subdatastat-dlpktfwd-qci7-64b	<p>Description: Collapsed Data Statistics: Downlink Statistics - QCI 7 Total-Packets</p> <p>Availability: Per SAEGW service</p> <p>Trigger: Increments at sessmgr (P-GW) for a collapsed call per Quality of Class Identifier 7 when the DL data packet is forwarded to ENB. The DL packets sent by P-GW (of SAEGW) but dropped at S-GW, are not counted.</p> <p>Type: Counter</p>	Int64
collapsed-subdatastat-dlpktfwd-qci8-64b	<p>Description: Collapsed Data Statistics: Downlink Statistics - QCI 8 Total-Packets</p> <p>Availability: Per SAEGW service</p> <p>Trigger: Increments at sessmgr (P-GW) for a collapsed call per Quality of Class Identifier 8 when the DL data packet is forwarded to ENB. The DL packets sent by P-GW (of SAEGW) but dropped at S-GW, are not counted.</p> <p>Type: Counter</p>	Int64
collapsed-subdatastat-dlpktfwd-qci9-64b	<p>Description: Collapsed Data Statistics: Downlink Statistics - QCI 9 Total-Packets</p> <p>Availability: Per SAEGW service</p> <p>Trigger: Increments at sessmgr (P-GW) for a collapsed call per Quality of Class Identifier 9 when the DL data packet is forwarded to ENB. The DL packets sent by P-GW (of SAEGW) but dropped at S-GW, are not counted.</p> <p>Type: Counter</p>	Int64
collapsed-subdatastat-dlpktfwd-qci65-64b	<p>The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 65 on a SAEGW</p> <p>Type: Counter</p>	Int64
collapsed-subdatastat-dlpktfwd-qci66-64b	<p>The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 66 on a SAEGW</p> <p>Type: Counter</p>	Int64

Variables	Description	Data Type
collapsed-subdatastat-dlpktfwd-qci69-64b	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 69 on a SAEGW Type: Counter	Int64
collapsed-subdatastat-dlpktfwd-qci70-64b	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 70 on a SAEGW Type: Counter	Int64
collapsed-subdatastat-dlpktfwd-qci80-64b	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 80 on a SAEGW Type: Counter	Int64
collapsed-subdatastat-dlpktfwd-qci82-64b	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 82 on a SAEGW Type: Counter	Int64
collapsed-subdatastat-dlpktfwd-qci83-64b	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 83 on a SAEGW Type: Counter	Int64
saegw-ggsn-subdatastat-totulpktfwd-64b	Description: GGSN-anchored Subscriber Data Stats - Total Uplink packets forwarded Availability: Per SAEGW service Type: Counter	Int64
saegw-ggsn-subdatastat-ulpktfwd-stdqcinongbr-64b	Description: GGSN-anchored Subscriber Data Stats - Uplink packets forwarded - Std QCI (Non-GBR) Availability: Per SAEGW service Type: Counter	Int64
saegw-ggsn-subdatastat-ulpktfwd-stdqcigr-64b	Description: GGSN-anchored Subscriber Data Stats - Uplink packets forwarded - Std QCI (GBR) Availability: Per SAEGW service Type: Counter	Int64

Variables	Description	Data Type
saegw-ggsn-subdatastat-ulpktfwd-qcinongbr-64b	Description: GGSN-anchored Subscriber Data Stats - Uplink packets forwarded - Non-Std QCI (Non-GBR) Availability: Per SAEGW service Type: Counter	Int64
saegw-ggsn-subdatastat-ulpktfwd-qcigr-64b	Description: GGSN-anchored Subscriber Data Stats - Uplink packets forwarded - Non-Std QCI (GBR) Availability: Per SAEGW service Type: Counter	Int64
saegw-ggsn-subdatastat-ulpktfwd-totgbr-64b	Description: GGSN-anchored Subscriber Data Stats - Uplink packets forwarded - Total GBR Availability: Per SAEGW service Type: Counter	Int64
saegw-ggsn-subdatastat-ulpktfwd-totnongbr-64b	Description: GGSN-anchored Subscriber Data Stats - Uplink packets forwarded - Total Non-GBR Availability: Per SAEGW service Type: Counter	Int64
saegw-ggsn-subdatastat-ulpktfwd-qci80-64b	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 80 on a GGSN (as part of the SAEGW) Type: Counter	Int64
saegw-ggsn-subdatastat-ulpktfwd-qci82-64b	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 82 on a GGSN (as part of the SAEGW) Type: Counter	Int64
saegw-ggsn-subdatastat-ulpktfwd-qci83-64b	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 83 on a GGSN (as part of the SAEGW) Type: Counter	Int64
saegw-ggsn-subdatastat-totdlnkpktfwd-64b	Description: GGSN-anchored Subscriber Data Stats - Total Downlink packets forwarded Availability: Per SAEGW service Type: Counter	Int64

Variables	Description	Data Type
saegw-ggsn-subdatastat-dlpktfwd-qci1-64b	Description: GGSN-anchored Subscriber Data Stats - Downlink packets forwarded - QCI 1 Availability: Per SAEGW service Type: Counter	Int64
saegw-ggsn-subdatastat-dlpktfwd-qci2-64b	Description: GGSN-anchored Subscriber Data Stats - Downlink packets forwarded - QCI 2 Availability: Per SAEGW service Type: Counter	Int64
saegw-ggsn-subdatastat-dlpktfwd-qci3-64b	Description: GGSN-anchored Subscriber Data Stats - Downlink packets forwarded - QCI 3 Availability: Per SAEGW service Type: Counter	Int64
saegw-ggsn-subdatastat-dlpktfwd-qci4-64b	Description: GGSN-anchored Subscriber Data Stats - Downlink packets forwarded - QCI 4 Availability: Per SAEGW service Type: Counter	Int64
saegw-ggsn-subdatastat-dlpktfwd-qci5-64b	Description: GGSN-anchored Subscriber Data Stats - Downlink packets forwarded - QCI 5 Availability: Per SAEGW service Type: Counter	Int64
saegw-ggsn-subdatastat-dlpktfwd-qci6-64b	Description: GGSN-anchored Subscriber Data Stats - Downlink packets forwarded - QCI 6 Availability: Per SAEGW service Type: Counter	Int64
saegw-ggsn-subdatastat-dlpktfwd-qci7-64b	Description: GGSN-anchored Subscriber Data Stats - Downlink packets forwarded - QCI 7 Availability: Per SAEGW service Type: Counter	Int64

Variables	Description	Data Type
saegw-ggsn-subdatastat-dlpktfwd-qci8-64b	Description: GGSN-anchored Subscriber Data Stats - Downlink packets forwarded - QCI 8 Availability: Per SAEGW service Type: Counter	Int64
saegw-ggsn-subdatastat-dlpktfwd-qci9-64b	Description: GGSN-anchored Subscriber Data Stats - Downlink packets forwarded - QCI 9 Availability: Per SAEGW service Type: Counter	Int64
saegw-ggsn-subdatastat-dlpktfwd-qci65-64b	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 65 on a GGSN (as part of the SAEGW) Type: Counter	Int64
saegw-ggsn-subdatastat-dlpktfwd-qci66-64b	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 66 on a GGSN (as part of the SAEGW) Type: Counter	Int64
saegw-ggsn-subdatastat-dlpktfwd-qci69-64b	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 69 on a GGSN (as part of the SAEGW) Type: Counter	Int64
saegw-ggsn-subdatastat-dlpktfwd-qci70-64b	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 70 on a GGSN (as part of the SAEGW) Type: Counter	Int64
saegw-ggsn-subdatastat-dlpktfwd-qci80-64b	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 80 on a GGSN (as part of the SAEGW)	Int64
saegw-ggsn-subdatastat-dlpktfwd-qci82-64b	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 82 on a GGSN (as part of the SAEGW)	Int64

Variables	Description	Data Type
saegw-ggsn-subdatastat-dlpktfwd-qci83-64b	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 83 on a GGSN (as part of the SAEGW)	Int64
saegw-ggsn-subdatastat-dlpktfwd-stdqcinongbr-64b	Description: GGSN-anchored Subscriber Data Stats - Downlink packets forwarded - Std QCI (Non-GBR) Availability: Per SAEGW service Type: Counter	Int64
saegw-ggsn-subdatastat-dlpktfwd-stdqcigbr-64b	Description: GGSN-anchored Subscriber Data Stats - Downlink packets forwarded - Std QCI (GBR) Availability: Per SAEGW service Type: Counter	Int64
saegw-ggsn-subdatastat-dlpktfwd-qcinongbr-64b	Description: GGSN-anchored Subscriber Data Stats - Downlink packets forwarded - Non-Std QCI (Non-GBR) Availability: Per SAEGW service Type: Counter	Int64
saegw-ggsn-subdatastat-dlpktfwd-qcigbr-64b	Description: GGSN-anchored Subscriber Data Stats - Downlink packets forwarded - Non-Std QCI (GBR) Availability: Per SAEGW service Type: Counter	Int64
saegw-ggsn-subdatastat-dlpktfwd-totgbr-64b	Description: GGSN-anchored Subscriber Data Stats - Downlink packets forwarded - Total GBR Availability: Per SAEGW service Type: Counter	Int64
saegw-ggsn-subdatastat-dlpktfwd-totnongbr-64b	Description: GGSN-anchored Subscriber Data Stats - Downlink packets forwarded - Total Non-GBR Availability: Per SAEGW service Type: Counter	Int64

Variables	Description	Data Type
saegw-ggsn-subdatastat-ulpktfwd-qci1-64b	Description: GGSN-anchored Subscriber Data Stats - Uplink packets forwarded - QCI 1 Availability: Per SAEGW service Type: Counter	Int64
saegw-ggsn-subdatastat-ulpktfwd-qci2-64b	Description: GGSN-anchored Subscriber Data Stats - Uplink packets forwarded - QCI 2 Availability: Per SAEGW service Type: Counter	Int64
saegw-ggsn-subdatastat-ulpktfwd-qci3-64b	Description: GGSN-anchored Subscriber Data Stats - Uplink packets forwarded - QCI 3 Availability: Per SAEGW service Type: Counter	Int64
saegw-ggsn-subdatastat-ulpktfwd-qci4-64b	Description: GGSN-anchored Subscriber Data Stats - Uplink packets forwarded - QCI 4 Availability: Per SAEGW service Type: Counter	Int64
saegw-ggsn-subdatastat-ulpktfwd-qci5-64b	Description: GGSN-anchored Subscriber Data Stats - Uplink packets forwarded - QCI 5 Availability: Per SAEGW service Type: Counter	Int64
saegw-ggsn-subdatastat-ulpktfwd-qci6-64b	Description: GGSN-anchored Subscriber Data Stats - Uplink packets forwarded - QCI 6 Availability: Per SAEGW service Type: Counter	Int64
saegw-ggsn-subdatastat-ulpktfwd-qci7-64b	Description: GGSN-anchored Subscriber Data Stats - Uplink packets forwarded - QCI 7 Availability: Per SAEGW service Type: Counter	Int64

Variables	Description	Data Type
saegw-ggsn-subdatastat-ulpktfwd-qci8-64b	Description: GGSN-anchored Subscriber Data Stats - Uplink packets forwarded - QCI 8 Availability: Per SAEGW service Type: Counter	Int64
saegw-ggsn-subdatastat-ulpktfwd-qci9-64b	Description: GGSN-anchored Subscriber Data Stats - Uplink packets forwarded - QCI 9 Availability: Per SAEGW service Type: Counter	Int64
saegw-ggsn-subdatastat-ulpktfwd-qci65-64b	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 65 on a GGSN (as part of the SAEGW) Type: Counter	Int64
saegw-ggsn-subdatastat-ulpktfwd-qci66-64b	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 66 on a GGSN (as part of the SAEGW) Type: Counter	Int64
saegw-ggsn-subdatastat-ulpktfwd-qci69-64b	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 69 on a GGSN (as part of the SAEGW) Type: Counter	
saegw-ggsn-subdatastat-ulpktfwd-qci70-64b	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 70 on a GGSN (as part of the SAEGW) Type: Counter	Int64

Modified Bulk Statistics

None in this release.

Deprecated Bulk Statistics

None in this release.