

show sndcp-statistics

This chapter describes the output of the **show sndcp-statistics** command variants.

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show sndcp statistics verbose

Table 1: show sndcp statistics verbose Command Output Descriptions

Field	Description
SNDCP Data Statistics:	
Un-Acknowledged mode:	
SN-PDUs received	**Description**: This proprietary counter indicates the total number of SN-PDUs received by SNDCP. **Triggers**: Increments when an SN-PDU is received by SNDCP. **Availability**: per SGSN service
SN-PDU Bytes received	**Description**: This proprietary counter indicates the total number of SN-PDU bytes received by SNDCP. **Triggers**: Increments when an SN-PDU is received by SNDCP. **Availability**: per SGSN service
SN-PDUs dropped	**Description**: This proprietary counter indicates the total number of SN-PDUs dropped at SNDCP due to various reasons. **Triggers**: Increments when SN-PDUs are dropped at SNDCP for various error cases as explained by the specific Drop reason counters below. **Availability**: per SGSN service

Field	Description
SN-PDU Bytes dropped	**Description**: This proprietary counter indicates the total number of SN-PDU bytes dropped at SNDCP due to various reasons. **Triggers**: Increments when SN-PDUs are dropped at SNDCP for various error cases as explained by the specific Drop reason counters below. **Availability**: per SGSN service
SN-PDU Drop Reason:	
Invalid SAPI State	**Description**: This proprietary counter indicates the total number of SN-PDUs dropped at SNDCP due to invalid SAPI state. **Triggers**: Increments when SN-PDUs are received in invalid SAPI state. **Availability**: per SGSN service
Invalid PDP Ctx	**Description**: This proprietary counter indicates the total number of SN-PDUs dropped at SNDCP due to invalid PDP context. **Triggers**: Increments when SN-PDUs are received by a non-existent PDP Context or non-existent subscriber. **Availability**: per SGSN service
Decode Failure	**Description**: This proprietary counter indicates the total number of SN-PDUs dropped at SNDCP due to decode failure. **Triggers**: Increments when Decode failures occur for SN-PDUs. **Availability**: per SGSN service
Reassembly Drops:	
Discard State	**Description**: This proprietary counter indicates the total number of SN-PDUs dropped at SNDCP in discard state. **Triggers**: Increments when SN-PDUs are dropped and an unexpected segment is received to enter discard state. SNDCP entity expects either a first segment or subsequent segment. Reception of last segment clears this state. **Availability**: per SGSN service
Rx First Seg State	**Description**: This proprietary counter indicates the total number of SN-PDUs dropped at SNDCP in Receive First Segment state. **Triggers**: In receive first segment state, only first segment of N-PDU is expected. If subsequent segmented is received, it is dropped with this reason and enters discard state. **Availability**: per SGSN service
Rx Subsequent Seg State	**Description**: This proprietary counter indicates the total number of SN-PDUs dropped at SNDCP due to reassembly failure. **Triggers**: In receive subsequent segment state, only subsequent segments of N-PDU are expected. If first segment is received, it is dropped with this reason and enters discard state. **Availability**: per SGSN service

Field	Description
New First Segment	**Description**: This proprietary counter indicates the total number of buffered SN-PDUs dropped at SNDCP due to reception of new N-PDU. **Triggers**: Increments when reception of new N-PDU drops buffered SN-PDUs, if any with this reason. **Availability**: per SGSN service
Reassembly Failure	**Description**: This proprietary counter indicates the total number of SN-PDUs dropped at SNDCP due to reassembly failure. **Triggers**: Increments when SN-PDUs are dropped at SNDCP due to reassembly failure. **Availability**: per SGSN service
Reassembly Timeout	**Description**: This proprietary counter indicates the total number of SN-PDUs dropped at SNDCP due to reassembly timeout. **Triggers**: Increments when the buffered segments are dropped and the last segment is not received before reassembly timer expiry. **Availability**: per SGSN service
DCOMP Error	**Description**: This proprietary counter indicates the total number of SN-PDUs dropped at SNDCP due to DCOMP (Data Compression algorithm ID) error. **Triggers**: Increments when SN-PDUs are received with invalid DCOMP value or DCOMP value different from that negotiated between MS and SGSN. **Availability**: per SGSN service
PCOMP Error	**Description**: This proprietary counter indicates the total number of SN-PDUs dropped at SNDCP due to PCOMP (Protocol Header Compression algorithm ID). **Triggers**: Increments when SN-PDUs are received with invalid PCOMP value or PCOMP value different from that negotiated between MS and SGSN. **Availability**: per SGSN service
PDP Ctx Modified	**Description**: This proprietary counter indicates the total number of SN-PDUs dropped at SNDCP due to PDP modification. **Triggers**: Increments when buffered data segments (SN-PDUs) are dropped during PDP context modification. **Availability**: per SGSN service
PDP Ctx Deleted	**Description**: This proprietary counter indicates the total number of SN-PDUs dropped at SNDCP due to PDP deletion. **Triggers**: Increments when buffered data segments (SN-PDUs) are dropped at SNDCP due to PDP context deletion. **Availability**: per SGSN service

Field	Description
Other Reasons	**Description**: This proprietary counter indicates the total number of SN-PDUs dropped at SNDCP due to any other reason than those mentioned above. **Triggers**: Increments when buffered data segments (SN-PDUs) are dropped at SNDCP due to other reasons than those mentioned above. **Availability**: per SGSN service