



# show llc

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## show llc statistics



**Note**

- This table is relevant to 8.0 releases only.
- All statistics in this table are available per GPRS service.

Table 1: show llc statistics Command Output Descriptions

| Field                      | Description   |
|----------------------------|---|
| LLC SAP Statistics         |   |
| Data transfer              |   |
| Data requests Rx           | Number of LLC data requests received from the MS.   |
| Data confirms Tx           | Number of LLC data requests confirmation sent to the MS.  |
| Data indications Tx        | Number of LLC data indications sent to the MS.  |
| Data-Sent indications Tx   | Number of LLC data sent indications sent to the MS.   |
| Unit data requests Rx      | Number of LLC unit data requests received from the MS.  |
| Unit data requests Rx Drop | <b>Description:</b> This proprietary counter indicates the total number of unit data requests received from SMDCP layer and dropped at the LLC layer.<br><b>Triggers:</b> Increments when LLC receives a downlink packet from SMDCP and the queue in LLC layer is full. |
| Unit data indications Tx   | Number of LLC unit data indications sent to the MS.   |
| Errors reported            |   |
| Discarded frames Rx        | Number of LLC discarded frames received from the MS.  |

| Field                  | Description   |
|------------------------|---|
| Discarded frames Tx    | Number of LLC discarded frames sent to the MS.  |
| Error frames Rx        | Number of LLC error frames received from the MS.  |
| Unrecognised frames Rx | Number of LLC unrecognized frames received from the MS.   |
| XID collisions         | Number of LLC exchange identifier (XID) request collisions.   |
| OC Increments done     | This counter indicates how many times the OC value is incremented by "512". Overflow Counter (OC) is incremented by "512" every time the received LFN (LLC Frame Number -> N(U)) wraps around from "512" to "0", and re-starts counting from "0". |
| Ciphering errors       | Number of LLC ciphering errors.   |
| FCS errors             | Number of LLC frame check sequence errors.  |
| LLC Frame statistics   |   |
| Octets Rx              | Number of bytes of LLC frames received from an MS.  |
| Octets Tx              | Number of bytes sent from the LLC layer to an MS from the SGSN.   |
| Unack frames Rx        | Number of unacknowledged UI frames received at the LLC layer from an MS.  |
| Unack frames Tx        | Number of unacknowledged UI frames sent from the LLC to an MS.  |
| UI Rx                  | Number of LLC frames with unnumbered information received from the MS.  |
| UI Tx                  | Number of LLC frames with unnumbered information sent to the MS.  |
| UI Ciphered frames Rx  | Number of LLC frames with ciphered unnumbered information received from the MS.   |
| UI Ciphered frames Tx  | Number of LLC frames with ciphered unnumbered information sent to the MS.   |
| XID Rx                 | Number of XID-reset messages received from the MS.  |
| XID Tx                 | Number of XID-reset messages sent to the MS.  |