



# SGs SCTP Association Counters

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## Feature Summary and Revision History

### Summary Data

Applicable Product(s) or Functional Area	MME
Applicable Platform(s)	<ul style="list-style-type: none"> <li>• ASR 5500</li> <li>• VPC-DI</li> <li>• VPC-SI</li> </ul>
Default Setting	Enabled - Always On
Related Changes in This Release	Not Applicable
Related Documentation	<ul style="list-style-type: none"> <li>• <i>MME Administration Guide</i></li> <li>• <i>Statistics and Counters Reference</i></li> </ul>

### Revision History

Revision Details	Release
SGs SCTP Association Counters was first introduced in release 21.11. With this release, this feature is also applicable to release 21.5.16.	21.5.16
First introduced.	21.11

## Feature Description

MME supports display of SCTP associated counters for SGS service. New command `show sgs-service sctp-association { all | peerid }` is introduced to display SCTP associated counters for SGS Service.

## Monitoring and Troubleshooting

This section provides information regarding show commands available to monitor and troubleshoot the SGs SCTP Association Counters feature.

## Show Commands and Outputs

### **show sgs-service sctp-association { all | peerid }**

The output of this command includes the following fields:

- Flow control flag
- Peer INIT tag
- Local INIT tag
- Next TSN
- Lowest cumulative TSN acknowledged
- Cumulative peer TSN
- Last peer TSN sent in the SACK
- Local RWND
- Peer RWND (advertised) in the SACK
- Peer RWND(estimated)
- Retransmissions
- ZWnd probing flag
- Last TSN received during ZWnd Probing
- Bytes outstanding
- Congestion queue length
- Ordered TSN waiting QLen
- Unordered TSN waiting QLen
- GAP ACKs sent
- GAP ACKs received

No.	Source Address	Destination Address	Path Status
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- Path No.
- Current CWND
- SStresh
- Partial bytes acked
- Bytes outstanding
- Current RTO (in ms)

**Important**

`sctp all` displays cumulative statistics for the peer VLRs where as `sctp peerid` displays statistics for a particular Peer ID.

