



# Service Impacting SGSN KPI Bulk Statistics

This chapter describes the following topics:

- [Feature Summary and Revision History, on page 1](#)
- [Feature Description, on page 2](#)
- [Monitoring and Troubleshooting, on page 2](#)

## Feature Summary and Revision History

### Summary Data

Applicable Product(s) or Functional Area	SGSN
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>SGSN Administration Guide</i></li> <li>• <i>Statistics and Counters Reference</i></li> </ul>

### Revision History

Revision Details	Release
Introduced to 21.12 release.	21.12.12
First introduced.	21.11.3

## Feature Description

SGSN will backup KPI counters during session manager crash or restart.

Following backup counters are introduced to record the data during session manager crash or restart:

- 2G-attach-fail-internal-failure-bk
- 3G-actv-rej-insufficient-resources-int-bk

Once the session manager crashes or restarts all the backup counters will be restored to session manager.

## Monitoring and Troubleshooting

This section provides information regarding Bulk Statistics available to monitor and troubleshoot the MME Support for Service impacting KPIs.

## Bulk Statistics

New backup counters "3G-actv-rej-insufficient-resources-int-bk" is added to iups-bk schema and "2G-attach-fail-internal-failure-bk" to gprs-bk schema to support Service Impacting SGSN KPI Bulk Statistics feature.