SBc Message Size

Feature Summary and Revision History

Summary Data

Applicable Product(s) or Functional Area	MME
Applicable Platform(s)	• ASR 5500 • VPC-DI • VPC-SI
Feature Default	Disabled – Configuration Required
Related Changes in This Release	Not applicable
Related Documentation	*MME Administration Guide*

Revision History

Important Revision history details are not provided for features introduced before releases 21.2 and N5.1.

Revision Details	Release
New SNMP trap "CBCBufSizeExceeded" is introduced and peer-id added to the existing log.	21.11
The CBC can handle bigger SBc messages up to 50K bytes.	21.9

Revision Details	Release
First introduced.	Pre 21.2

Feature Changes

The MME uses the SBc interface, between the MME and the Cell Broadcast Center (CBC), for warning message delivery and control functions. In this release, the SBc message size is increased to handle large messages.

Previous Behavior: When CBC sends the warning messages, MME dropped the SBc messages with size greater than 10K bytes.

New Behavior: When CBC sends the warning messages, the MME can handle SBc messages up to 50K bytes. If the MME receives the WRITE-REPLACE WARNING REQUEST over 50K bytes, the message cannot be processed and a warning syslog is generated.

When the size of the received SBc message is greater than 50 KB, a log with peer-id is displayed. The system also generates a SNMP trap “CBCBufSizeExceeded”.

Customer Impact: With this enhancement, the CBC can send bigger SBc messages with more cell/tac information. Customer can troubleshoot easily with the new trap.

Performance Indicator Changes

show snmp trap statistics

The output of this command includes "CBCBufSizeExceeded" field to indicate number of times the trap is hit.

SNMP Traps

A new trap "starCBCBufSizeExceeded" is introduced to indicate CBC message exceeded the buffer size limit.