



Measurements, Events, and Alarms

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This section describes the new Release 4.5.x measurements, events, and alarms related to the SIP protocol. For more complete information on these topics, see the following documents:

- For CLI information, see the [Cisco BTS 10200 Softswitch Command Line Interface Reference Guide](#).
- For a full list of measurements, see the [Cisco BTS 10200 Softswitch Operations and Maintenance Guide](#).
- For complete information on events and alarms, see the [Cisco BTS 10200 Softswitch Troubleshooting Guide](#).

Measurements

In this release, the following counters were renamed:

- The common SIP counters were renamed from SIP_ to SIS_.
- The application-specific SIA counters were renamed from SIP_ to SIA_.
- The SIP audit counters were renamed from AUDIT_SIP to SIA_AUDIT.
- The SIM audit counters were renamed from AUDIT_SIM to SIM_AUDIT.

The SIP memory audit counters were removed from the AUDIT category

The following counters were added to the SIA category:

- SIA_AUDIT_CCB_FREED
- SIA_AUDIT_CALL_RELEASED
- SIA_AUDIT_BCM_CALL_RELEASED
- SIA_AUDIT_REGCONTACT_FREED

The following counters were added to the SIM category:

- SIM_AUDIT_CCB_FREED
- SIM_AUDIT_SIP_CCB_FREED

The following SIA counters were deprecated; they will still be displayed in this release, but they will always contain a value of zero:

- SIA_TOTAL_SUCC

- SIA_TOTAL_FAIL
- SIA_TOTAL_OUTG_MSG_FAIL
- SIA_TOTAL_INCOM_MSG_FAIL

The following security-related measurements were added to the SIP Interface Adapter category.

- SIA_SECURE_FQDN_VIOLATION_REQ
- SIA_SECURE_FQDN_VIOLATION_RESP

The following T.38 fax-related measurements were added to the Call Processing category:

- CALLP_T38_FAX_MEDIA_SETUP_SUCC
- CALLP_T38_FAX_MEDIA_SETUP_FAIL

Events and Alarms

The following SIP-related events and alarms were introduced in Release 4.5.x.

- SECURITY(6)—Secure SIP endpoint validation failure, WARNING
- SIGNALING(146)—All retransmission attempts of SIP request or response failed, WARNING
- SIGNALING(147)—DNS SRV addresses exhausted, WARNING