Configuring the Signaling Connection Control Part

Additional Sections:

- SCCP in the SS7 Stack
- SCCP User Interface
- Before You Start the SCCP Configuration
- SCCP Initial Provisioning Tasks
- Viewing GTT Connections
- Viewing User Connections
- Configuring TCAP Service Rules
- Configuring Concerned PCs
- Configuring Remote PCs
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The Sonus Signaling System supports an internal Signaling Connection Control Part (SCCP) application. The SCCP is used for Global Title Translation (GTT) and/or traffic management of client applications connected to SCCP over IP in conjunction with MTP3. These client applications can be external applications connected to the Signaling Gateway (SG) application and the SIP Bridge, or internal Sonus applications such as the Point Code Emulator (PCE).

The SIP Bridge, SG, GTT, and PCE software features are optional for the Sonus Signaling System and can be purchased by contacting your Sonus Sales Representative for product pricing and availability (refer to Customer Support Information).

On the Sonus X301 and Sonus X401e systems, SCCP is enabled in a fully distributed N-peer configuration on Routing CPUs.

**Note**
The Sonus X211 is enabled in a fully distributed N-peer configuration supporting one peer.

The SCCP is designed to process SS7 traffic on the Routing CPU cards in a load sharing manner. These cards communicate their internal status with each other. For more information about the Sonus Signaling System's hardware configuration, see the Hardware Installation and Initial Configuration Guides (refer to Documentation Library).

For SCCP User Adaptation Layer (SUA), the connections are configured at the SG UI. For more information about the SG, refer to Configuring the Signaling Gateway.

For the SIP Bridge, the SCCP registrations (and the resulting SCCP connections) are configured at the SIP Bridge UI. For more information about the SIP Bridge, refer to Configuring the SIP Bridge.

The Process Event feature that appears in the UI, but is not described in this guide, provides an alarm type which ensures that the applications in all slots function as expected. With this feature, each application defines its own concept of functioning as expected, which means that the configuration/database files are synchronized and loaded, inter-process connections are correctly established, and the process applications are ready to process traffic. For more information about this feature, refer to the appropriate section in the Platform Manager User Guide.

If the application and its peer does not function as expected, an alarm is raised that is visible on the system's alarm panel. For more information about alarms, refer to the appropriate section in the Alarms Guide.

In accordance with GR-82-Core, Signaling Transfer Point (STP) Generic Requirements (A Module of FR-CCS-18), Issue 10, December 2006,
the Sonus Signaling System supports Memory Space Accounting (MSA). For more information about how this feature applies to SCCP, refer to the appropriate section in the Platform Manager User Guide.