

User Friendly GUI



SSP and STP Emulation



Single or Dual OPC Configurations



4 or 16 Signaling Links



Digital T1/E1 or V.35 Interfaces



ISUP and TUP Layers



TCAP/SCCP Layers



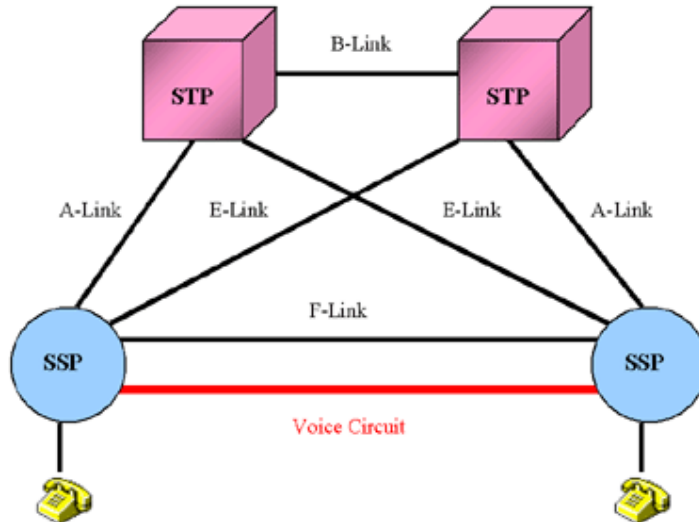
Circuit Mapping Fully Supported



COT Fully Supported



DCOSS Signaling System 7 (SS7)



The Digital Central Office Switch Simulator (DCOSS) offers the Signaling System 7 (SS7) digital protocol. DCROSS SS7 utilizes a user-friendly GUI in which the complex SS7 configuration can easily be created; thus allowing DCROSS SS7 to be fully functional within a few minutes. DCROSS SS7 also incorporates the flexibility to modify SS7 parameters, both at the MTP and ISUP/TUP layers as well as the ISUP/TUP message content. This flexibility ensures that the DCROSS SS7 will communicate with the system under test.

Main Features

- All SS7 networks supported.
- Build your own SS7 Network with SSP, STP and SCP nodes. Complex STP non-adjacent links supported.
- Supports SSP/STP combined nodes for additional flexibility.
- User-Friendly GUI for Configuring the SS7 MTP Layers and ISUP/TUP Layers. This includes access to optional MTP/ISUP/TUP parameters such as timers, route masks, and priorities.
- 4 or 16 Configurable Signaling Links per SS7 board, up to two SS7 boards per DCROSS system.
- Supports multiple OPC configuration per SS7 board.
- Dual T1/E1 User Defined Interfaces on each SS7 board supports SS7 Signaling Links.
- Subsequent Address Message (SAM) configurations available.
- TCAP/SCCP functionality supported. Generate a user-defined SCP database. Create a user-defined 800 number or LNP look-up table.
- SSP and/or STP Emulation with the capability of Adjacent Routes as well as Non-Adjacent Routes.
- Fully Supported Continuity Testing (COT) that includes both COT messages and user-defined loopback tones.
- Access to all ISUP and TUP Message Parameters (IAM, ACM, REL, CPG).
- User-Friendly GUI for creating the Circuit Mapping. Define Circuit Identification Codes (CIC) and map these CICs to Timeslots/Trunks in order to enable Voice/Data traffic.
- Logging of all SS7 Messages in real time. Each SS7 message displays the OPC, DPC and CIC defined within the message.
- Save and Load Protocol, Trunk and Dialing Parameters as User Defined Configurations.

For more details on DCROSS SS7 Solution, please visit http://www.gl.com/dcross_ss7.html.



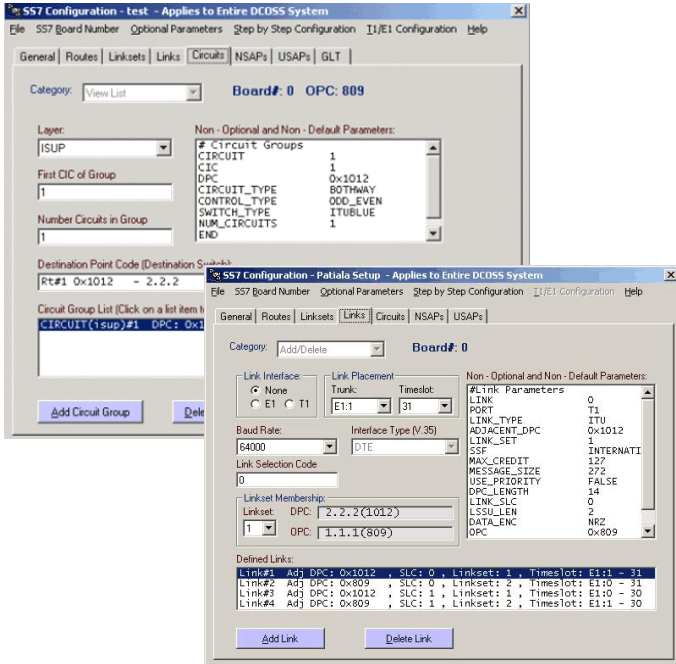
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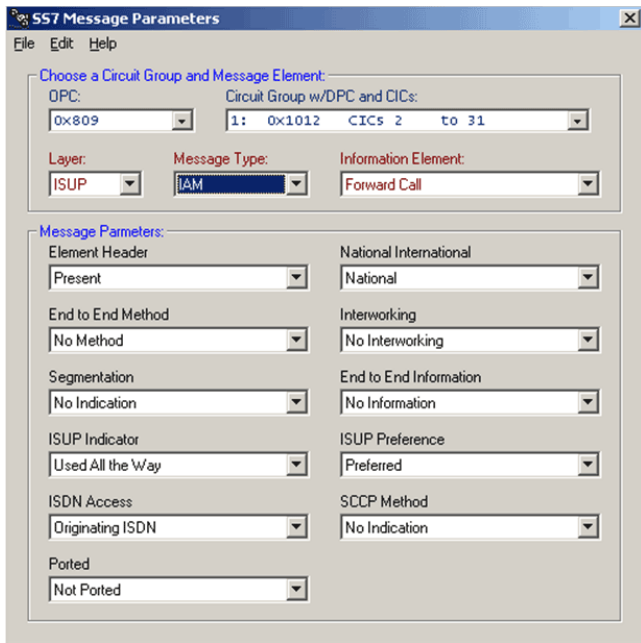
SS7 Configuration

Configuring DCOSS SS7 is quite simple, even for the most complex requirements. The DCOSS SS7 utilizes a GUI that provides the user with all required SS7 parameters. These parameters may be saved to the DCOSS database, after modification, for later retrieval.



SS7 Message Parameters

The SS7 message parameters may be modified system wide or per circuit group. Therefore, the user may create unique SS7 Message Parameter configurations for each circuit group assigned within DCOSS.



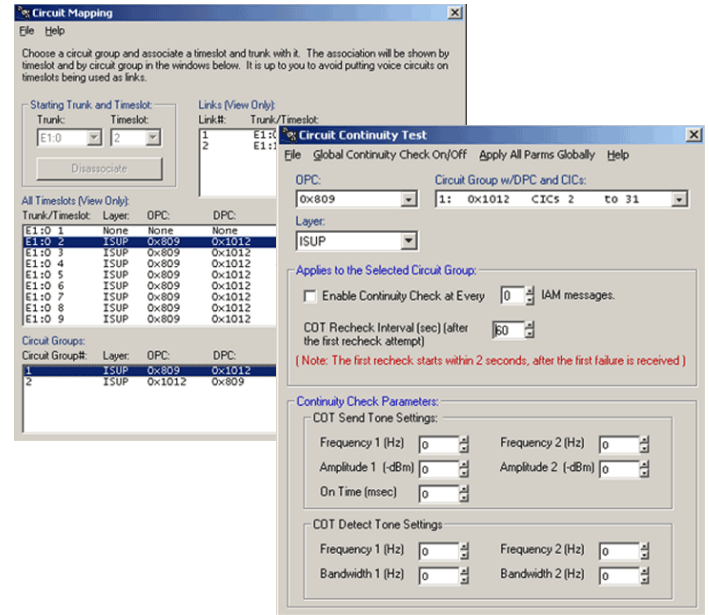
Buyer's Guide

For complete list of buyer's guide, please visit <http://www.gl.com/dcossfsg.html>

SS7 Circuit Mapping and Continuity Check

SS7 traffic is sent over circuits. **SS7 Circuit Mapping** accomplishes the relationship of SS7 circuit to voice timeslot/trunk. This tool is only available when the trunk is closed. Circuit Groups are created within the SS7 Configuration window.

SS7 continuity test functionality includes the continuity check with each Initial Address Message (IAM).



DCOSS SS7 Specifications

SS7 Board Interface

Two T1/E1 (software selectable) digital trunk interfaces (software selectable)

On-Board Processors 33 MHz 68EN360 Quad Integrated Communications Controller (QUICC) with 4 (or 16) MB dynamic RAM

Regulatory Certification USA and Canada: Complies with FCC Class A

SS7 Standards Compliance

ITU SS7 Q.701-Q.704, Q.761-Q.764

ANSI SS7 ANSI T1.111, 113

SS7 Signaling

Available Protocol Layers MTP1-3, ISUP, TUP (China and ITU), TCAP, SCCP

Maximum Links 4 or 16



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