

GL Announces Enhanced SS7 Network Monitoring

GL Communications Inc. announced today the release of enhanced SS7 Network Monitoring System.

Bengaluru, Karnataka, February 1, 2010 /[India PRwire](#)/ -- GL Communications Inc. announced today the release of enhanced SS7 Network Monitoring System. Speaking to press, Mr. Jagdish Vadalia, Senior Manager said, "The SS7 network is the backbone for fast and efficient signaling irrespective of network type - whether wireless, wired, or VoIP. Also, the inherent database features of SS7 make today's advanced intelligent features and services a reality". He added, "GL's SS7 (and ISDN) Network Monitoring System uses an open three tier distributed architecture driven by non-intrusive hardware probes, intelligent software, and a database engine. The system can assist the network operator, service provider, or equipment manufacturer in performing surveillance and monitoring tasks remotely, automatically, and non-intrusively".

Mr. Vadalia, further added, "To keep pace with technological evolution, GL has enhanced its SS7 monitoring and diagnostic system. Not only can it be used for billing verification, remote protocol analysis, and traffic engineering, but now it can also provide key performance indicators, failure analysis, and call trace capability".

Key Features:

- T1 / E1 Probes non-intrusively monitor physical lines of the network
- The probes connect via TCP/IP to ODBC compliant real-time database loader
- Only precise and filtered data (user selectable) is collected into the centralized database
- Users can log into the central system locally or remotely to view the collected data
- Users view the collected data for different purposes like Troubleshooting, Call Detailed Records, Traffic Monitoring, Quality of Service, etc
- Modular and distributed architecture is capable of theoretically 'infinite capacity'
- Interface between the probes and the database is well defined and is called "Listener". Listener is located at the central site and is responsible for listening to the streaming data from probes and entering into the database (usually Oracle)
- Listener is modifiable and supportable with MySQL.

Important Applications:

- Call Detail Records, fraud detection and location, remote protocol analysis and troubleshooting, real-time signaling monitor, traffic optimization engineering, statistics
- Determine actual call signaling routes to verify network functionality under all situations including congestion and loss of SS7 nodes
- Revenue and billing verification, alarm monitoring, intrusive testing
- Quality of service measurements, call trace and recording

Notes to Editor

About GL Communications Inc.

Founded in 1986, GL Communications Inc. is a leading supplier of test, monitoring, and analysis equipment for TDM, Wireless, IP and VoIP networks. Unlike conventional test equipment, GL's test platforms provide visualization, capture, storage, and convenient features like portability, remotability, and scripting.

GL's TDM Analysis & Emulation line of products includes T1, E1, T3, E3, OC-3, STM-1, analog four-wire, and analog two-wire interface cards, external portable pods, and complete system solutions. Capabilities include voiceband traffic analysis and emulation across all traffic types (voice, digits, tones, fax, modem), all protocols (ISDN, SS7, GR-303, Frame Relay, HDLC, V5.X, ATM, GSM, GPRS, etc.), and with capacities up to thousands of channels.

GL's VoIP and IP products generate / analyze thousands of calls / traffic simultaneously with traffic types such as frames, packets, voice files, digits, video, tones, noise, and fax using G.711, G.729, AMR, EVRC, GSM and a range of other codecs. Additional features include visual analysis, real-time listening, and recording. The product line also includes Ethernet / IP Testing capability that simulates and checks frame transport and throughput parameters of Ethernet and IP networks, including delay, errors and other impairments.

GL's Voice Quality Testing (VQT) product line complements all of GL's products. Using ITU-standard algorithms (PAMS, PSQM, and PESQ), GL's VQT provides a widely expected solution across the telecom industry. Voice Quality Testing across multiple networks (T1, E1, T3, E3, OC-3, VoIP, Wireless, and Landline) are all available.

GL's Wireless Products perform protocol analysis and voice quality assessment on GSM, CDMA and UMTS networks. Connections can be made to any wireless phone with automated call control, GPS mapping and real-time signal measurements.

GL's Echo Canceller testing solutions provide the broadest range of simulation and analysis, including compliance testing per G.168 and G.160 across TDM, IP, VoIP and Wireless networks. GL's wireless VQT solutions help assessing impairments to voice quality such as poor mobile phone quality, voice compression and decompression algorithms, delay, loss and gain in speech levels, noise, acoustic and landline echo, and other distortions are easily assessed and accurately measured.

GL's Handheld data testers can test a wide variety of communications facilities and equipment including T1, fractional T1, E1, fractional E1, T3 and E3 modems, multiplexers, CSU, DSUs, T1 CSUs, DTUs, NTUs and TIUs and more. The testers provide convenience, economy, and portability for almost any interface, including RS232, RS-422, RS-530, X.21, T1, E1, T3, E3, and many others.

GL's Network Surveillance and Monitoring products include Probes for TDM, IP, VoIP, ATM, and Wireless networks. An open standards based approach provides a scalable, feature rich, real-time access to network intelligence. Centralized or distributed access, efficient transport and database loading allow compatibility with 3rd party and standards based monitoring systems.

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