SpectraComm Safe T-1 Increases Network Reliability

*The need for secure, stable and redundant communications paths
for mission critical networks has never been higher.
SpectraComm Safe T1 answers the call for auto switching
and backup in the event of circuit or equipment failure.*

Safe T1 is an enhancement to GDC's NEBS certified SpectraComm family of products, that supports the operation of redundant auto-switching SC5001 Line Terminating Units(LTUs), to switch between primary and secondary circuit paths or line cards upon failure.

This self-healing, or Safe T1 capability, guarantees minimum downtime and maximum reliability. In disaster recovery applications, T1 circuits and their traffic can be automatically switched to alternate locations.

The active and standby SC5001's communicate status information over a heartbeat cable. Two failure modes are supported; When the standby card senses a loss of heartbeat, or when an active unit determines a T-1 line is down. Within 20 milliseconds, the standby SC5001 commands the active SC5001 to shut down, and proceeds to take over the T1 line and data highways. This approach ensures that the active SC5001 will not shut down unless there is a standby SC5001 to take over.

The SpectraComm platform also provides alarm history of the outage and recovery for future analysis and troubleshooting. Like all SpectraComm products, Safe T1 is a fully managed device that can be monitored and configured locally via craft interface, or remotely using standards-based protocols including; Telnet, and SNMP. Safe T1 is also supported by GDC's TEAM (Total Enterprise Access Management) software applications which integrate with HP OpenView ® and other management applications.

In applications where SpectraComm platforms already exist, SpectraComm LTUs can be field upgraded with the Safe T1 capability. Safe T1 can be incorporated with minimal service disruption, so downtime is measured in seconds.

With the addition of Safe T1, the SpectraComm family of products continues to provide the most robust and complete NEBS Level 3-certified set of products available in a single shelf.

Safe T-1 Auto-Switching

SC5001-FB03-064-QEO