



FOR IMMEDIATE RELEASE

New Hampshire firm releases Unidirectional Path Switch Ring (UPSR) capability for SONET/SDH, software to help equipment manufacturers meet new standards requirements

KINGSTON, NH – Aug 19, 2016 – NComm, a leader in physical layer software and OA&M solutions, announces support for Unidirectional Path Switch Ring APS for SONET and SDH interfaces. The UPSR Module adds unidirectional path switch ring APS capabilities to NComm's SONET and SDH products.

Unidirectional Path Switch Ring APS for SONET/SDH provides quick restoration of services in 50ms or less. With APS, traffic is routed over two different interfaces which will provide redundancy in transport of the SONET/SDH data. By analyzing the quality of the interfaces, NComm UPSR module routes traffic over the “best” interface.

Working with NComm's SONET and SDH software, the quality of the interface is maintained. That information feeds NComm's UPSR module to determine which interface to be used to carry network traffic. The UPSR module provides configuring the APS system with the following modes of operation:

- 1) Revertive and Non-revertive
- 2) Configurable Wait to restore timer (WTR)
- 3) Manual Control over APS operations provided
- 4) Capable of operating in distributive environments

The UPSR module routes traffic over a regular interface and/or protection interface depending upon how the UPSR module is configured. The redundant routing provides for quick restoration during network failures.

In addition, the UPSR module supports implementation of manual control commands such as Lockout Protect, Exercise, Forced Switching and the other commands defined by the UPSR standard.

As with all NComm products, UPSR and the SONET/SDH TMS products include easy-to-use Application Programming Interfaces for integrating the software with other functions in customer or service provider equipment. The software accommodates a wide variety of hardware configurations and works with any Real Time Operating system. NComm provides pre-ports to the Linux, VxWorks, OSE, and Microsoft Windows operating systems. NComm's Jump Start program offers unprecedented assurance of a fast and successful implementation.

About NComm

NComm delivers complete, standard compliant, source code packages that reduce LAN/WAN interface development time by staff years and dramatically reduce development cost. Its offerings eliminate an entire class of embedded software development for access technologies like [Ethernet OAM](#), [T1](#), [E1](#), [T3](#), [E3](#), [SONET/SDH](#) including [Automatic Protection Switching](#), [Primary Rate ISDN](#) and [Sync Status Message management](#). Using NComm's software, many companies have had their interfaces fully functional in a day rather than a year.

For more information, please visit the NComm website at www.ncomm.com.

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