LAMBDA OPTICALSYSTEMS DEMONSTRATES NETWORK INTEROPERABILITY AT OIF WORLDWIDE INTEROPERABILITY DEMO

LambdaNode™ 2000 tested at Telecom Italia Lab facilities; demonstration results will be unveiled at Supercomm

CHICAGO, IL, JUNE 6, 2005 – Lambda OpticalSystems, the leading provider of all-optical switching solutions, today announced its participation in the second Optical Internetworking Forum's (OIF) worldwide interoperability demonstration. This year's OIF Worldwide Interoperability Demonstration will highlight solutions for support of Ethernet services over multi-domain SONET/SDH transport networks by employing OIF Implementation Agreements (IAs) in a multi-carrier, multi-vendor environment.

The LambdaNode™ 2000 all-optical switch, which has been onsite in Italy since April 2005,, demonstrated both control plane and data plane interoperability with routers hosted by Telecom Italia Lab for the OIF Demonstration. The Lambda switch dynamically provisions Ethernet circuits through its GMPLS control plane; it was able to interoperate directly with the routers without the need for multiple intermediate devices. OIF's test of a distributed control plane marks the first test of its kind that explores the technical issues of multi-layer signaling and routing in a network.

The event is hosted by seven of OIF's carrier members, and the public can see a demonstration of the results at Supercomm (Booth #50094). The seven carrier members hosting the OIF Worldwide Interoperability Demonstration include AT&T, China Telecom, Deutsche Telekom, France Telecom, NTT Laboratories, Telecom Italia and Verizon. According to OIF, the carrier hosts are providing test facilities, engineering staff and real-world network connectivity continuously from mid-April through mid-June.

LambdaNode 2000 Intelligent Integrated Optical Switch

The LambdaNode 2000 switch is the industry's only integrated all-optical switch, eliminating the requirement for OEO conversion equipment to enable lower signal delays, reduced cost, higher performance, improved reliability, and enhanced manageability. The LambdaNode 2000 utilizes 3-D MEMS (micro-electro-mechanical-systems) for reliable, rapid switch time and low signal loss for effective optical switching. Built for ring, mesh, and ring/mesh metro and regional networks, the LambdaNode 2000 fully integrates Dense Wavelength Division Multiplexing (DWDM) technology, which multiplies fiber capacity and allows diverse packet formats (SONET/SDH, IP, ATM, etc.) to travel together at the same time on one optical fiber. Protocol agnostic, the LambdaNode 2000 incorporates GMPLS (Generalized Multi-Protocol Label Switching), a standard that enables a broad suite of new communications applications.

LambdaCreate™ Software Suite

The LambdaCreate Software Suite incorporates network management with the GMPLS-based Lambda Optical Control Plane, which is the operating system running on the LambdaNode 2000s. The software suite enables remote, real-time, end-to-end control of all LambdaNode 2000 switches in the metro/regional network. Fully FCAPS (Fault-Management, Configuration, Accounting, Performance, and Security) compatible, the LambdaCreate software provides robust functionality in

all management disciplines. Its intuitive point-and-click graphic interface provides a single view of the entire network and each LambdaNode, allowing network operators to manage all-optical networks remotely from any location, at any time. This functionality reduces the need for manual provisioning and network management – speeding service delivery and boosting network performance.

About Lambda OpticalSystems

Lambda OpticalSystems is committed to the development of next-generation all-optical solutions to transform transport networks. The company's family of all-optical switches with integrated DWDM and GMPLS control plane lets telecommunications carriers, government agencies, and research and education networks deliver high-bandwidth services while maximizing network management efficiency and affordability. For more information, call 703-689-9500, ext.1006, or visit www.lambdaoptical-systems.com.

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For media inquiries, please contact: press@lopsys.com.

or

Rosanne E. Desmone
Mt. Vernon PR & Communications
PO Box 215
Mt. Vernon, VA 22121
703.799.8165
703.946.3820 (cell)
rdesmone@mtvernonpr.com
www.mtvernonpr.com