



**LAMBDA OPTICALSYSTEMS VALIDATES REAL-WORLD INTEROPERABILITY AT UNIVERSITY OF NEW HAMPSHIRE INTEROPERABILITY LABORATORY “PLUGFEST”**

**Multi-vendor, Multi-layer Interoperability Tests Demonstrate Significant Progress in IP-Based Optical Networking Technology**

**Reston, VA, Oct. 12, 2004** – Lambda OpticalSystems, an advanced optical network solutions provider, announced today that its LAMBDA NODE 2000 Intelligent Optical Switch successfully completed interoperability testing hosted by the University of New Hampshire InterOperability Laboratory (UNH-IOL). The tests confirmed LAMBDA NODE 2000 interoperability with multi-vendor implementations of the Generalized Multi-Protocol Label Switching (GMPLS) standard, an enabler of a broad suite of new communications applications.

UNH-IOL is the networking industry’s premiere independent proving ground for developing technologies, providing leading-edge facilities and support in objective group tests and technology forums devoted to nearly every facet of networking. UNH-IOL designed “Plugfest” – a multi-vendor, multi-protocol test bed – to improve the interoperability of products supporting optical signaling, routing, and management (OSRM). The test items were selected to reflect the most up-to-date requirements of today’s carrier-class network and service scenarios. The results suggest that IP-based optical networking technology is maturing to be suitable for commercial use.

“UNH-IOL does not just test GMPLS protocol conformance. We have developed a rigorous set of tests to emulate the service providers’ real-world networks,” said Henry He, UNH-IOL MPLS services consortium engineer. “Much of what we have seen in our lab demonstrates that service providers should soon be able to expand their product portfolios with new GMPLS-enabled applications like super-wide bandwidth virtual private networks (VPNs) and bandwidth-on-demand.”

GMPLS provides enhancements to the Multi-Protocol Label Switching (MPLS) standard, supporting optical network switching for time, wavelength, space switching, and packet switching. GMPLS adoption will improve packet switching and photonic networking device performance, providing telecommunications carriers with a scalable and cost-effective means to use optical bandwidth to facilitate the deployment of new services.

“We were delighted to have the opportunity to participate in UNH-IOL’s Plugfest,” said Irfan Ali, president and chief executive officer of Lambda OpticalSystems. “It provided a great vehicle for us to demonstrate our readiness for the market with a carrier-grade quality product.”

The testing included Japanese service provider Nippon Telegraph and Telephone Corporation (NTT), as well as optical equipment and IP routing companies Lambda OpticalSystems, Agilent Technologies, Juniper Networks, Navtel Communications, Sycamore Networks, and Tellabs Inc. Lambda OpticalSystems worked with NTT on Layer-1 VPN.



## About the University of New Hampshire InterOperability Laboratory

Established in 1988, the University of New Hampshire InterOperability Laboratory (UNH-IOL) is a non-profit organization that offers comprehensive interoperability and conformance-based testing through 19 technology-based groups, called consortiums. Test solutions created at the UNH-IOL offer a set of methods to increase interoperability through protocol operations, signaling, point-to-point and multi-system scenarios. For more information, visit the UNH-IOL website at:

## About Lambda OpticalSystems

Lambda OpticalSystems, an advanced optical network solutions provider, is committed to the development of next-generation all-optical networks that enable signals to pass through the core without conversion—enhancing network management efficiency and affordability. Sevin Rosen Funds and ComVentures, two very highly respected venture firms with strong track records in successful telecommunications companies' investments and business development, incorporated the company in March of 2003. With a clear new vision for its future, Lambda OpticalSystems has developed and brought to market a complete family of optical networking products which allow end-to-end services delivery and network management over all-optical networks at the individual wavelength level.

Headquartered in Reston, Virginia, Lambda OpticalSystems also operates an additional product development location in Holmdel, New Jersey. For more information, please visit [www.lambdaopticalsystems.com](http://www.lambdaopticalsystems.com)

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