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OIF 100G Project to Focus on Integrated Photonic Components

100G Long Distance DWDM Transmission Project Defined at Q3 Meeting

FREMONT, CA – AUGUST 14, 2008 – With a record number of members in attendance, the Optical Internetworking Forum (OIF) outlined details for its 100G long distance DWDM transmission project at the Q3 meeting in Montreal. During the joint session, carriers, along with system and component vendors, identified Dual-Polarization - Quadrature Phase Shift Keying (DP-QPSK) as a modulation technique for integrated photonic components. With a number of possible modulation techniques available to use at 100G, identifying a specific one gives the industry a starting point to design hardware and reduce development risk.

“We have selected an implementation approach supported by a critical mass of photonic component vendors and users,” said David Stauffer of IBM, and the PLL Working Group chair. “100G is an important development for the industry and network element vendors have already begun work. The goal of the project is to accelerate the adoption of 100G in long distance DWDM transmission..”

This project will specify an Implementation Agreement (IA) for Integrated Receive and Transmit photonic component(s) for Dual-Polarization - Quadrature Phase Shift Keying (DP-QPSK). The IAs will define partitioning of photonics sub-

components, the electrical and the optical interface. The objective of these IAs is to create a foundation for Multi-Source Agreements for transmit and receive photonic components.

In other news from the Montreal meeting, the OIF has developed and published a guideline document for Signaling Protocol Interworking of ASON/GMPLS Network Domains. The Guideline Document is available at <http://www.oiforum.com/public/documents/OIF-G-Sig-IW-01.0.pdf>

"This document leverages the implementation experience of our members in recent interoperability demonstrations," said Jim Jones, Alcatel-Lucent and the vice president of marketing for the OIF. "It specifies interworking procedures for ASON and GMPLS-based signaling solutions at domain boundaries and paves the way for end-to-end service provisioning, independent of the control plane solution within each domain."

Upcoming Industry Events

In September, the OIF will participate in the European Conference on Optical Communications (ECOC) in Brussels (Booth #67). Later in the month, the OIF will give a presentation on "Creating Services for a New Era in Optical Networking" at IIR's Carrier Ethernet World Congress (CEWC) in Berlin.

In October, the OIF will conduct a workshop titled "Optical Networking – Delivering on the Promise" at the Optical Expo in Dallas, TX on Tuesday, October 7. The 2-hour workshop will feature industry experts presenting OIF work related to 40G/100G interfaces, 100G long-haul DWDM, and control planes, as well as on-demand carrier services based on OIF implementation agreements. Workshop details can be viewed online at http://www.lightreading.com/live/event_information.asp?event_id=28683&survey_id=403&p_id=oif

About the OIF

Launched in April of 1998, the OIF is the only industry group uniting representatives from data and optical networking disciplines, including many of the world's leading carriers, component manufacturers and system vendors. The OIF promotes the development and deployment of interoperable networking solutions and services through the creation of Implementation Agreements (IAs) for optical networking systems and optical, interconnect, network processing and component technologies. The OIF actively supports and extends the work of national and international standards bodies with the goal of promoting worldwide compatibility of optical internetworking products. Working relationships or formal liaisons have been established with the IEEE 802.1, IEEE 802.3ba, IETF, ITU-T Study Group 13, ITU-T Study Group 15, IPv6 Forum, IP-MPLS Forum, MEF, ATIS OPTXS, ATIS TMOC, Rapid I/O, TMF, Ethernet Alliance and the XFP MSA Group. More information on the OIF can be found at www.oiforum.com
<http://www.oiforum.com>.