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The OIF Approves 100G Transmitter Implementation Agreement *Showcase at OFC Demonstrates Component Support of New IA*

Fremont, CA – March 22, 2010 – The Optical Internetworking Forum (OIF) membership has voted to approve an implementation agreement (IA) for the 100G Integrated Polarization Multiplexed (PM) Quadrature Modulated Transmitter. The implementation agreement supports DP-QPSK as a modulation format as specified in the OIF’s 100G Framework Document and also specifies operating rates up to 32GBd. However, the IA strives to remain modulation format and data rate agnostic to maximize applicability to other future applications.

“The transmitter IA is the first project completed from the Framework Document that defines one of the most complex components of the 100G DWDM transmission system,” said Karl Gass of Sandia National Labs and the OIF’s Physical and Link Layer Working Group vice chair. “The member companies are working together at this early stage in order to accelerate the adoption of 100G technology by defining common building blocks.”

This week at OFC/NFOEC the OIF is hosting a Components Showcase in Booth #3041. The Components Showcase will display components, modules, and/or other hardware supporting the OIF Physical and Link Layer 100G projects focused on Integrated Photonics Transmitters and Receivers, Forward Error Correction, and Transponders. OIF member companies that will be participating include Fujitsu Optical Components, NEC, NeoPhotonics, Opnext, Picometrix,

Sumitomo Osaka Cement, TriQuint Semiconductor, u2t Photonics AG, and Vitesse Semiconductor.

Other 100G projects outlined in the 100G Framework Document include an Integrated Photonics Receiver, a Transponder-Electromechanical MSA and a Forward Error Correction project.

About the OIF

Launched in 1998, the OIF is the first industry group to unite 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, interconnect, network processing, component and networking systems technologies. The OIF actively supports and extends the work of standards bodies and industry forums with the goal of promoting worldwide compatibility of optical internetworking products. Information on the OIF can be found at <http://www.oiforum.com>.