

# Approved minutes

## 40 Gb/s and 100 Gb/s Fiber Optic TF SMF Ad Hoc Teleconference 5 Mar 2013

Minutes taken by Pete Anslow, Ciena

The meeting started at 8:05 am Pacific chaired by Pete Anslow, the attendee list was taken from the Webex attendee list.

Documentation for the call can be found at the Ad Hoc web page:

<http://www.ieee802.org/3/bm/public/smfadhoc/meetings/index.html>

Pete reminded everyone of the IEEE patent policy (<http://www.ieee802.org/3/patent.html>) and asked if anyone was unfamiliar with it. No one responded.

Pete asked if anyone had any corrections to the draft minutes from the 19 February 2013 call. No one responded, so these minutes are approved by the Ad Hoc.

Pete asked if anyone had any objection to the draft agenda sent to the group reflector on 5 March. There were no objections.

### Presentation #1

Title: CWDM Solution for 500m SMF Economical Feasibility

By: Tek Ming Shen, Huawei

See shen\_01\_0313\_smf

During the presentation of shen\_01\_0313\_smf there was an objection to the line shown on page 10 for "LR4 (without TEC)" as not correctly representing the data in welch\_01a\_0113\_optx and it was requested to include data for 150 m in the chart on page 14. Tek Ming agreed to update the presentation after the meeting (also with corrections to the chart captions on slides 17 through 20) as shen\_01a\_0313\_smf which will be posted on the SMF web page.

### Presentation #2

Title: 500 m SMF Objective Baseline Proposal

By: Jon Anderson, Oclaro

See anderson\_01\_0313\_smf

This was an updated version of anderson\_01\_0213\_smf, so the presentation focussed on the differences between the two versions.

The main points that arose in discussion were:

- The Allocation for penalties (at max TDP) on page 6 is 3.66 dB, but the Transmitter and dispersion penalty (TDP), each lane (max) on page 7 is 2.6 dB leaving a difference of 1.06 dB. What is the reason for this difference?
- Page 7 has a TDP maximum but there is no minimum value for TDP that is used in equation 1 on page 8.
- Equation 1 on page 8 increases the minimum transmitter OMA by 1.19 dB for every 1 dB of TDP increase. Why is this?

The meeting closed at 10:07 am Pacific.

Attendee list (taken from Webex attendee list)

Jon Anderson, Oclaro	Tom Palkert, Xilinx, Luxtera, Molex
Pete Anslow, Ciena	Randy Perrie, OneChip Photonics
Dave Brown, Semtech	John Petrilla, Avago Technologies
Hsu-Feng Chou, Source Photonics	Liang Qiu, Source Photonics
Chris Cole, Finisar	Michael Ressler, Hitachi Cable
Heather Colella, OneChip Photonics	Tek-Ming Shen, Huawei
Piers Dawe, IPtronics	Kapil Shrikhande, Dell
Dan Dove, Applied Micro	Xiaolu Song, Huawei
Mike Dudek, Qlogic	Peter Stassar, Huawei
Galen Fromm, Cray	Andre Szczepanek, Inphi
Ali Ghiasi, Broadcom	Katsuhisa Tawa, Sumitomo Electric
Douglas Gill, IBM	Brian Teipen, Adva
Mark Gustlin, Xilinx	Pirooz Tooyserkani, Cisco
Hiro Iwadate, SEI	Nathan Tracy, TE Connectivity
Jack Jewell, GreenVcsl	Steve Trowbridge, Alcatel-Lucent
Cui Kai, Huawei	Marc Verdiell, Samtec
Scott Kipp, Brocade	Yurii Vlasov, IBM
Keisuke Kojima, Mitsubishi Electric	Brian Welch, Luxtera
Paul Kolesar, Commscope	Yu Xu, Huawei
Greg D Le Cheminant, Agilent	Li Zeng, Huawei
Sharon Lutz, US Conec	Wissen Zhang, OneChip Photonics
Dale Murray, LightCounting	Xueyan Zheng, Huawei