

Approved minutes

40 Gb/s and 100 Gb/s Fiber Optic TF SMF Ad Hoc Teleconference 18 Dec 2012

Minutes taken by Pete Anslow, Ciena

The meeting started at 8:02 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 4 December 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 18 December. There were no objections.

Presentation #1

Title: PSM4 Technology & Relative Cost Analysis Update

By: Jon Anderson, Oclaro

See anderson_01_1212_smf

Both during and after the presentation of anderson_01_1212_smf, there were many questions and discussions. Some of these were:

- Page 5 is for PRBS7. Is there data for a realistic pattern, e.g., PRBS31? What was the dispersion for the 2km test?
- Why choose a transmitter wavelength range that allows for significant positive dispersion?
- What would be the effect of not using FEC (for lower latency) on this proposal?
- How would this proposal compare with a WDM based short reach with FEC version?

Presentation #2

Title: Basic Study on Receiver Bandwidth Requirement for Discrete Multi-tone Modulation

By: Masato Nishihara, Fujitsu

See nishihara_01_1212_smf

The discussion of nishihara_01_1212_smf included a question on what the power consumption of this solution would be now and in the future. The current power was stated to be 6 W +/- 3 W, but that more time is needed to narrow down this power range and to estimate the power for a more advanced silicon process. There was also a question as to what the linearity requirements for this solution would be. The authors responded that the requirements are being investigated.

The next SMF Ad Hoc meeting was set for Tuesday 8 January 2013 at 8:00 am Pacific.

The meeting closed at 09:32 am Pacific.

Attendee list (taken from Webex attendee list plus those who emailed me)

Jon Anderson, Oclaro	Dale Murray, LightCounting
Pete Anslow, Ciena	Masato Nishihara, Fujitsu
Chris Bergey, Luxtera	Tom Palkert, Xilinx, Luxtera, Molex
Wheling Cheng, Juniper	Randy Perrie, OneChip Photonics
Chris Cole, Finisar	John Petrilla, Avago Technologies
Piers Dawe, IPtronics	Liang Qiu, Source Photonics
Stephen Docking, PMC-Sierra	Xiaolu Song, Huawei
Dan Dove, Applied Micro	Peter Stassar, Huawei
Mike Dudek, Qlogic	Norm Swenson, ClariPhy
Galen Fromm, Cray	Tomoo Takahara, Fujitsu
Hiroshi Hamano, Fujitsu	Toshiki Tanaka, Fujitsu
Hiro Iwadate, SEI	Katsuhisa Tawa, Sumitomo Electric
Jack Jewell, GreenVcsl	Brian Teipen, Adva
Jonathan King, Finisar	Yurii Vlasov, IBM
Taichi Kogure, Ciena	Brian Welch, Luxtera
Paul Kolesar, Commscope	Yu Xu, Huawei
Sharon Lutz, US Conec	Hiroki Yanagisawa, NEC
Jeffery Maki, Juniper	zengli, Huawei