

# Approved minutes

## P802.3bs 400 Gb/s Ethernet SMF Ad Hoc Teleconference 24 February 2015

Minutes taken by Pete Anslow, Ciena

The meeting started at 7:30 am Pacific chaired by Pete Anslow, the attendee list was taken from the Webex attendee list plus any e-mail notifications of attendance.

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

<http://www.ieee802.org/3/bs/public/adhoc/smf/index.shtml>

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 objection or additions to the draft agenda. There were no objections.

Pete asked if anyone had any corrections to the draft minutes from the 2 February call. No one responded, so these minutes are approved by the Ad Hoc.

### Presentation #1

Title: Test plan for Big Ticket Items for PAM-4 400Gb/s SMF PMD  
Presenter: Peter Stassar, Huawei  
See stassar\_02\_0215\_smf

After presentation of stassar\_02\_0215\_smf, Peter confirmed that all of the information for the BTIs for the 10 km PAM4 proposal was expected to be available by the May interim.

### Presentation #2

Title: Evaluation of Worst Case Dispersion Penalty of 50Gb/s NRZ for 10 km  
Presenter: Mizuki Shirao, Mitsubishi  
See kojima\_01\_0215\_smf

During the presentation of kojima\_01\_0215\_smf, Mizuki was asked what alpha was used for the simulation shown on page 4. The response was that it was an average of about +1. In discussion there was consensus that dispersion penalties for DML sources are needed (in addition to the EML results presented here). After the presentation, Mizuki stated that he would need to discuss the timeline for all information being available for the BTIs for the 10 km 50 GBd NRZ proposal with Chris Cole.

### Presentation #3

Title: Big Ticket Items for 10km DMT  
Presenter: Sacha Corbeil, JDSU  
See corbeil\_01\_0215\_smf

After presentation of corbeil\_01\_0215\_smf, Sacha confirmed that all of the information for the BTIs for the 10 km DMT proposal was expected to be available by the May interim.

### Presentation #4

Title: 100Gb/s/Lambda 2km PAM4 with KP4 FEC: System Modelling & The Big Ticket Items  
Presenter: Alan Tipper, Semtech  
See tipper\_01\_0215\_smf

After presentation of tipper\_01\_0215\_smf, Alan was asked whether all of the information for the BTIs for the 2 km 50 GBd PAM4 proposal was expected to be available by the May interim. Alan's response was that any measurements required would need to be done by others. Brian Welch responded that measurement results would be available in the March meeting.

### Presentation #5

Title: SMF PMD Modulation Observations  
Presenter: Chris Cole, Finisar  
See cole\_01\_0215\_smf

During the presentation of cole\_01\_0215\_smf, Chris noted that there was a typographical error on page 14 (2105 should be 2015). This was corrected after the meeting and uploaded as cole\_01a\_0215\_smf. Chris stated that he expects to be able to present measurement results for a DML source in a future meeting.

The meeting closed at 9:16 am Pacific.

Attendee list (taken from Webex attendee list)

Hassan Ali, Texas Instruments	Sacha Corbeil, JDS Uniphase
Pete Anslow, Ciena	John D'Ambrosia, Dell
William Bliss, Broadcom	Piers Dawe, Mellanox
Martin Bouda, Fujitsu	Mike Dudek, Qlogic
David Brown, Semtech	Chad Erven, Semtech
Matthew Brown, Applied Micro (AMCC)	Ali Ghiasi, Ghiasi Quantum LLC
J. Martin Carroll, Verizon	Mark Heimbuch, Source Photonics
Robert Coenen, Intel	Marika Immonen, TTM Technologies
Chris Cole, Finisar	Hideki Isono, Fujitsu
Brandon Collings, JDSU	Kenneth Jackson, Sumitomo

Keisuke Kojima, Mitsubishi  
Paul Kolesar, CommScope  
David Lewis, JDS Uniphase  
Jeffery Maki, Juniper  
Andy Moorwood, Ericsson  
Dale Murray, LightCounting  
Takeshi Nishimura, Yamaichi  
Mark Nowell, Cisco  
Tom Palkert, Luxtera  
Moon Park, OE Solutions  
Mark Pilip, Ezchip  
Rick Pimpinella, Panduit  
Haoli Qian, Credo Semiconductor  
Rick Rabinovich, Alcatel-Lucent  
R K Rannow, APIC  
Ram Rao, Oclaro  
Michael Ressler, Hitachi Cable  
Salvatore Rotolo, STMicroelectronics

Sam Sambasivan, AT&T  
Mizuki Shirao, Mitsubishi  
Dan Sparacin, Aurrion  
Peter Stassar, Huawei  
Steve Swanson, Corning  
Andre Szczepanek, Inphi  
Tomoo Takahara, Fujitsu  
Toshiki Tanaka, Fujitsu  
Frederick Tang, Broadcom  
Brian Teipen, Adva  
Alan Tipper, Semtech  
Nathan Tracy, TE Connectivity  
Stephen Trowbridge, Alcatel-Lucent  
Ed Ulrichs, Source Photonics  
Winston Way, NeoPhotonics  
Brian Welch, Luxtera  
Yangjing Wen, Huawei  
Martin White, Cavium