

# Approved minutes

## P802.3bs 400 Gb/s Ethernet SMF Ad Hoc

### Teleconference 2 February 2016

Minutes taken by Pete Anslow, Ciena

The meeting started at 8:04 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. John D'Ambrosia asked if he could add an item on the project schedule. With this addition, the agenda was approved by the Ad Hoc.

Pete asked if anyone had any corrections to the draft minutes from the 7 January 2016 call. No one responded, so these minutes were approved by the Ad Hoc.

John D'Ambrosia (P802.3bs Chair) reiterated the importance of completing as soon as possible the work to address all of the remaining open issues in relation to the SMF optical PMDs to ensure progress towards a technically complete draft for 400 Gb/s Ethernet.

#### Presentation #1

Title: SMF TBDs

Presenter: Pete Anslow, Ciena

See [anslow\\_01\\_0216\\_smf](#) and [anslow\\_02\\_0216\\_smf](#)

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Regarding the reflection budget straw man proposal for 400GBASE-DR4, Pete was asked what the basis for the 0.6 dB penalty was. Pete responded that it was the result from Jonathan King's spreadsheet [king\\_02a\\_0116\\_smf](#) with six -35 dB connectors and four -55 dB connectors. A chart showing this result was shown and this was added to an updated version ([anslow\\_01a\\_0216\\_smf](#)) of the presentation posted after the close of the meeting. As there are only four high reflection connectors in the double link scenario in [kolesar\\_3bs\\_01\\_0514](#), Pete said he would re-run the spreadsheet with four -35 dB connectors and four -55 dB connectors.

Pages 5 and 6 (pages 6 and 7 in anslow\_01a\_0216\_smf)

Input is needed on how to modify the optical budgets for 400GBASE-FR8 and 400GBASE-LR4 to accommodate the 0.5 dB and 0.6 dB MPI penalty, respectively.

Page 7 (page 8 in anslow\_01a\_0216\_smf)

There was no disagreement with the proposal to change the delay constraint values black.

Page 9 (page 10 in anslow\_01a\_0216\_smf)

The consensus view was to base the OMAouter and ER definitions on the PRBS13Q sequence. The zero level was proposed to be the average of the central 2 unit intervals (symbols 3 and 4) of the run of 6 zeros and the three level was proposed to be the average of symbols 4 and 5 of the run of 7 threes.

Page 12 (page 13 in anslow\_01a\_0216\_smf)

For the maximum mean DGD of the test channel for the PAM4 TDEC test, the penalty due to 2.24 ps of DGD was requested.

Pete reminded the meeting that there will be two more SMF Ad Hoc meeting opportunities on Tuesday 16 February at 9:00 am Pacific and Tuesday 1 March at 8:00 am Pacific.

The meeting closed at 10:06 am Pacific.

Attendee list (taken from Webex attendee list)

Ghani Abbas, Ericsson

Pete Anslow, Ciena

Vipul Bhatt, Inphi

William Bliss, Broadcom

Derek Cassidy, BT (Affiliation ICRG)

Geoffrey Chacon, HP Enterprise

Wheling Cheng, Ericsson

Chris Cole, Finisar

John D'Ambrosia, Futurewei (a subsidiary of Huawei)

Piers Dawe, Mellanox

Mike Dudek, Qlogic

Ali Ghiasi, Ghiasi Quantum LLC

Rita Horner, Synopsys

Kenneth Jackson, Sumitomo

Mark Kimber, Semtech

Jonathan King, Finisar

Keisuke Kojima, Mitsubishi

Paul Kolesar, CommScope

Greg LeCheminant, Keysight

Hanan Leizerovich, MultiPhy

Hai-Feng Liu, Intel

David Malicoat, HP Enterprise

Marco Mazzini, Cisco

Thomas McDermott, Fujitsu

Gary Nicholl, Cisco

Rick Pimpinella, Panduit

Rick Rabinovich, Ixia

R K Rannow, APIC

Peter Stassar, Huawei

Andre Szczepanek, Inphi

Bharat Tailor, Semtech

Frederick Tang, Broadcom

Nathan Tracy, TE Connectivity

Reddy Upen, Cisco

Or Vidal, MultiPhy

Martin White, Cavium

Pavel Zivny, Tektronix

xhuang163, Unknown

