

Approved minutes

P802.3bs 200 Gb/s and 400 Gb/s Ethernet SMF Ad Hoc Teleconference 25 July 2017

Minutes taken by Pete Anslow, Ciena

The meeting started at 8:01 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 also noted the updated IEEE 802 participation slide (<http://www.ieee802.org/devdocs.shtml>) 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 was no response, so the agenda was approved by the Ad Hoc.

Pete asked if anyone had any corrections to the draft minutes from the 27 June 2017 call. No one responded, so these minutes were approved by the Ad Hoc.

Pete reiterated the main points of the presentation dambrosia_01_072417_elect as reviewed on the Electrical Ad Hoc call of 24 July.

Presentation #1

Title: TDECQ measurements vs Rx ref BW for T & T/2 spaced equalizers

Presenter: Brian Welch, Luxtera

See welch_01_0717_smf

During the presentation of welch_01_0717_smf, Brian was asked for more detail on the measurements and he responded that the test pattern was PRBS9 and there was no chromatic dispersion present.

Presentation #2

Title: Proposed Reference Equalizer Change in Clause 122.8.5.4 (Part 2)

Presenter: Winston Way, NeoPhotonics

See way_3bs_01a_0717

On slide 5, Winston explained that the reason for the poor performance of the transmitter for lane number 2 with low numbers of taps was that a reflection had been deliberately introduced on the PCB for that lane.

On slide 9 it was noted that this was a PRBS31 measurement result, not PRBS15 as per the slide title.

In discussion after the presentation Winston was asked if he could provide information on the low frequency cut-off of the test devices and what the BER corresponding to an FLR of $1.7E-12$ is for FEC encoded PRBS31Q.

Both presenters were asked if they could provide captured waveforms from their experiments for addition to the captured waveforms web page:

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

Pete reminded the meeting that there are four further SMF Ad Hoc call opportunities on the next four Tuesdays but that the calls may be cancelled if no presentation requests are received.

The meeting closed at 9:10 am Pacific.

Attendee list (taken from Webex attendee list plus any e-mail notifications of attendance):

Anand Anandakumar, MaxLinear	Marco Mazzini, Cisco
Pete Anslow, Ciena	Martin Miller, Teledyne LeCroy
Abhijeet Ardey, Source Photonics	Karl Muth, Rockley Photonics
Will Bliss, Broadcom	David Nelson, Rockley Photonics
Gary Burrell, Elenion	David Piehler, Dell EMC
Derek Cassidy, BT (Affiliation ICRG)	Fabio Pittala, Huawei
Doug Coleman, Corning	Rick Rabinovich, Ixia
Jaclyn Dang, Cisco	Michael Ressler, Hitachi Cable
Stephen Didde, Keysight	Salvatore Rotolo, STMicroelectronics
Mike Dudek, Cavium	Sam Sambasivan, AT&T
Ali Ghiasi, Ghiasi Quantum LLC, Huawei	Scott Sommers, Molex
Drew Guckenberger, Luxtera	Peter Stassar, Huawei
Akinori Hayakawa, Fujitsu	Phil Sun, Credo
Rita Horner, Synopsys	Kohichi Tamura, Oclaro
Kenneth Jackson, Sumitomo	Frederick Tang, Broadcom
John Johnson, Broadcom	Ed Ulrichs, Source Photonics
Bill Kirkland, Semtech	Yuri Vandyshev, Cisco
David Law, HP Enterprise	Winston Way, NeoPhotonics
Greg LeCheminant, Keysight	Brian Welch, Luxtera
Hai-Feng Liu, Intel	Pavel Zivny, Tektronix
David Malicoat, Senko	