

# Approved minutes

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

### Teleconference 2 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 9 December call. No one responded, so these minutes are approved by the Ad Hoc.

#### Presentation #1

Title: Big ticket items

Presenter: Pete Anslow, Ciena

See [anslow\\_01\\_0215\\_smf](#)

After presentation of [anslow\\_01\\_0215\\_smf](#), Pete showed a re-organised summary of the big ticket items in slides 13 to 22 of [big ticket items 3bs 01 0115](#). This was:

BTIs common to all proposals:

- Dispersion penalty worst case, TDP
- RX sensitivity / technical feasibility
- MPI
- More test results
- Evaluate Coupling between electrical and optical interfaces

BTIs for specific proposals

- 10 km, 2 km, 500 m 4 x 100 Gb/s DMT
  - Optical loss budget model
  - Interoperability
- 500m 4 x 50 GBd PAM4
  - Test results establishing acceptable BER curve

Pete noted that he had re-ordered the BTIs common to all proposals in order of highest priority at the top (according to his opinion). Pete invited any disagreement with this summary and order of priority to be discussed at the next call.

Mike Dudek observed that the relative priority of these items wasn't of great concern as all of the information on the list is required before a decision on selecting a baseline proposal can be made.

Pete also invited presentations for the next call addressing the BTI's on this list, or at least information on when this information is expected to be made available for each baseline proposal.

### Presentation #2

Title: Clarification of dispersion requirements for PAM-N 400Gb/s Ethernet SMF PMDs

Presenter: Peter Stassar, Huawei

See stassar\_01\_0215\_smf

### Presentation #3

Title: Chromatic Dispersion Tolerance of 400GbE DMT

Presenter: Toshiki Tanaka, Fujitsu

See tanaka\_01\_0215\_smf

During discussion of tanaka\_01\_0215\_smf, it was clarified that "Data pattern Random" on slide 2 was generated from calls to a MATLAB® function. There were also requests to continue the BER plots on slide 3 to lower BER values than 1E-3 and to provide a measured point at higher positive dispersion than 2.4 ps/nm.

The meeting closed at 8:30 am Pacific.

Attendee list (taken from Webex attendee list)

Pete Anslow, Ciena

Vipul Bhatt, Inphi

David Brown, Semtech

Sacha Corbeil, JDS Uniphase

John D'Ambrosia, Dell

Piers Dawe, Mellanox

Mike Dudek, Qlogic

Joel Goergen, Cisco

Mark Gustlin, Xilinx

Hideki Isono, Fujitsu

Kenneth Jackson, Sumitomo

David Lewis, JDS Uniphase

Flavio Marques, Furukawa

Thomas McDermott, Fujitsu

Andy Moorwood, Ericsson

Dale Murray, LightCounting

Mark Nowell, Cisco

David Ofelt, Juniper

R K Rannow, APIC

Sam Sambasivan, AT&T

Omer Sella, Mellanox

Peter Stassar, Huawei

Bharat Tailor, Gennum  
Toshiki Tanaka, Fujitsu  
Alan Tipper, Semtech

Stephen Trowbridge, Alcatel-Lucent  
Alexander Umnov, Fujitsu  
Martin White, Cavium