

Approved Minutes
IEEE P802.3cm 400 Gb/s over Multimode Fiber Task Force Ad Hoc Web/Teleconference
October 25, 2018

Group Name: IEEE P802.3cm 400 Gb/s over Multimode Fiber Task Force Ad Hoc

Date/Location: Thursday, October 25, 2018. Web/Teleconference

Chair: Robert Lingle, Jr., P802.3cm TF Chair

Recording Secretary: Mabud Choudhury

Meeting Participants:

	Name	Employer	Affiliation
1	Bruce Chow	Corning Inc	Corning Inc
2	David Chen	AOI	AOI
3	David Piehler	Dell EMC	Dell EMC
4	Derek Cassidy	ICRG	IET
5	Earl Parsons	CommScope	CommScope
6	Flavio Marques	Furukawa Electric LatAm	Furukawa Electric LatAm
7	James Young	CommScope	CommScope
8	John Abbott	Corning Inc	Corning Inc
9	John Kamino	OFS	OFS
10	Jonathan Ingham	Foxconn Interconnect Technology	Foxconn Interconnect Technology
11	Jose Castro	Panduit	Panduit
12	Kenneth Jackson	Sumitomo	Sumitomo
13	Mabud Choudhury	OFS	OFS
14	Mike Dudek	Cavium	Cavium
15	Paul Kolesar	CommScope	CommScope
16	Petar Pepeljugoski	IBM	IBM
17	Phong Pham	US Conec	US Conec
18	Ramana Murty	Broadcom	Broadcom
19	Rick Pimpinella	Panduit	Panduit
20	Rita Horner	Synopsys	Synopsys
21	Robert Hannah	Broadcom	Broadcom
22	Robert Lingle	OFS	OFS

22 attendees participated in the October 25, 2018 web call. If you participated in the meeting but are not listed or if you attended and company employer/affiliation is incorrect, please email Mabud Choudhury, mchoudhury@ofsoptics.com with a correction.

Call to order/Meeting Start Time: 1:03 pm Eastern Daylight Time/EDT (UTC -4)

Chair's remarks:

- Reminder for participants to record their attendance along with employer/affiliation to Mabud Choudhury at mchoudhury@ofsoptics.com
- Reviewed Agenda, Slide 3 of:
http://www.ieee802.org/3/cm/public/adhoc/linge_3cm_adhoc_01_102518.pdf

Approval of agenda: Agenda was approved.

- Participation in IEEE 802 Meetings and Guidelines for IEEE-SA Meetings, including Patent Policy, reviewed (Slides 4 - 8 of link above). No one indicated being unfamiliar with these policy slides.
- Reviewed where we are for project, Slide 10 of:
http://www.ieee802.org/3/cm/public/adhoc/linge_3cm_adhoc_01_102518.pdf
- Reviewed deadlines for requesting agenda time and submitting presentations (Slide 11 of above link):
 - Request time by midnight **WEDNESDAY, OCTOBER 31st, 2018** (AoE)
 - Submit presentation by midnight **TUESDAY, NOVEMBER 6th, 2018** (AoE)
- TF Plenary meeting dates:
 - Afternoon of **Monday November 12th** and morning of **Tuesday, November 13th**
- Reviewed primary focus for November Plenary: comment resolution against D1.0
- Planned presentations for Bangkok meeting to date:
 - Modal Noise Measurements with 25G VCSELs - Castro
 - Eye safety for 400G-SR4.2 - Castro
 - Link Model for Optical PAM-4 Channels – Castro

Technical Topics:

1. Editors' update – Jonathan Ingham:

- D1.0. available October 5 – major project milestone
- Comments to close by October 25
- Editorial team will provide proposed responses to comments by next week
- Comment resolution for D1.0 during Bangkok Plenary TF meeting

2. "RMS Spectral Width" – Ramana Murty:

- http://www.ieee802.org/3/cm/public/adhoc/murty_3cm_adhoc_01_102418.pdf
- A proposal to change maximum RMS spectral width on the 900 – 918 nm from 0.60 to 0.65 nm for 400G-SR4.2
- Impact of a change in RMS spectral width on MPN penalty and TDECQ filter reference response
- Technical discussions on recalculating TDECQ filter bandwidths with worst case CD, actual spectral width vs. spectral separation between the first two modes of the laser
- General discussion. Clarifying questions were asked and answered

3. "Modal Noise Measurements with 25G VCSELs" – Jose Castro:

- http://www.ieee802.org/3/cm/public/adhoc/castro_3cm_adhoc_01_102418.pdf
- Experimental method and initial data for estimating the magnitude of modal noise produced by lateral misalignment of fibers

- Technical discussion the graphs of slide 11 all starting at 0 dB loss, plans to calculate the noise penalty from the standard deviation, plans to investigate the effect of fiber length on modal noise
- General discussion. Clarifying questions were asked and answered

Meeting closed: 2:35 pm Eastern Daylight Time/EDT (UTC -4).

Next Meeting: Monday, November 12, 2018 and Tuesday, November 13, 2018, Task Force Meeting, Bangkok, Thailand.