

Approved Minutes
IEEE P802.3cm 400 Gb/s over Multimode Fiber Task Force Ad Hoc Web/Teleconference
September 27, 2018

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

Date/Location: Thursday, September 27, 2018. Web/Teleconference

Chair: Paul Kolesar (substituting for Robert Lingle, Jr., P802.3cm TF Chair)

Recording Secretary: Mabud Choudhury

Meeting Participants:

	Name	Employer	Affiliation
1	Adam Healey	Broadcom	Broadcom
2	Adrian Young	Leviton Mfg.	Leviton Mfg.
3	Darryl Heckle	Corning Inc	Corning Inc
4	David Piehler	Dell EMC	Dell EMC
5	Dominic Lapierre	EXFO	EXFO
6	James Young	CommScope	CommScope
7	John Kamino	OFS	OFS
8	John Abbott	Corning Inc	Corning Inc
9	Jonathan King	Finisar	Finisar
10	Jonathan Ingham	Foxconn Interconnect Technology	Foxconn Interconnect Technology
11	Jose Castro	Panduit	Panduit
12	Mabud Choudhury	OFS	OFS
13	Mike Dudek	Marvell	Marvell
14	Paul Kolesar	CommScope	CommScope
15	Petar Pepeljugoski	IBM	IBM
16	Piers Dawe	Mellanox	Mellanox
17	Ramana Murty	Broadcom	Broadcom
18	Rick Pimpinella	Panduit	Panduit

18 attendees participated in the September 27, 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: 1:08 pm Eastern Daylight Time/EDT (UTC -4)

Chair's remarks:

- Paul Kolesar indicated that he was substituting as Chair for Robert Lingle, Jr. for this meeting
- 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/lingle_3cm_adhoc_01_092718.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.
- Approval of minutes for July 26, 2018 ad hoc meeting, previously posted:
 - http://www.ieee802.org/3/cm/public/adhoc/unapproved_minutes_3cm_adhoc_01_07_2618.pdf
- Reviewed where we are for project, Slide 11 of:
http://www.ieee802.org/3/cm/public/adhoc/lingle_3cm_adhoc_01_092718.pdf
- Reviewed primary focus/goal for November Plenary: generating D1.0 and providing complete and thorough review of and comments against D1.0

Technical Topics:

1. Editors' update – Jonathan King and Jonathan Ingham:

- D0.1 and D0.2 completed
- Progress on D1.0. Expect D1.0 by October 5.
- 3 weeks comment period planned – comments due by October 26
- Comments via comment tool
- 2 weeks for Editorial team to generate responses to comments prior to November Bangkok Plenary TF meeting

2. Comment entry tutorial – Adam Healey:

- http://www.ieee802.org/3/cm/public/adhoc/comment_entry_tutorial_3cm_adhoc_01_092718.pdf
- Presented and reviewed comment entry tool utilized by 802.3.
- Multiple questions asked and answered. General discussion

3. 400GBASE-SR4.2 optical penalties – Piers Dawe:

- http://www.ieee802.org/3/cm/public/adhoc/dawe_3cm_adhoc_01_092718.pdf
- With 400GBASE-SR4.2 is proposed to go 50% further on OM5 than 50GBASE-SR / 100GBASE-SR2 / 200GBASE-SR4 / 400GBASESR8, revisiting MPN penalty
- Extensive technical discussion on MPN, MN, Pcross factor, TDP, TDEC or TDECQ, total penalties, etc.
- Extensive technical discussion on classical theory and simulations
- Need for experimental measurements to validate the noise penalty concerns
- **Action item:** Jose Castro agreed to make measurements to experimentally estimate MN

Meeting closed: officially closed at 2:35 pm Eastern Daylight Time/EDT (UTC -4). Extended discussion continued with limited number of participants until about 3:45 pm Eastern Daylight Time/EDT (UTC -4).

Next Meeting: Thursday, October 11, 2018, 1 pm – 2:30 pm Eastern Daylight Time/EDT (UTC -4), 400G over MMF TF Ad Hoc Web/Teleconference