

Approved Minutes
IEEE P802.3cm 400 Gb/s over Multimode Fiber Task Force Ad Hoc Web/Teleconference
April 04, 2019

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

Date/Location: Thursday, April 04, 2019. Web/Teleconference

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

Recording Secretary: Mabud Choudhury

Meeting Participants:

	Name	Employer	Affiliation
1	Adrian Young	Leviton Mfg.	Leviton Mfg.
2	Ali Ghiasi	Ghiasi Quantum	Ghiasi Quantum / Huawei
3	David Chen	AOI	AOI
4	David Law	HPE	HPE
5	David Piehler	Dell EMC	Dell EMC
6	Dean Wallace	Marvell	Marvell
7	Earl Parsons	CommScope	CommScope
8	Flavio Marques	Furukawa Electric LatAm	Furukawa Electric LatAm
9	Gary Nicholl	Cisco	Cisco
10	Greg Le Cheminant	Keysight Technologies	Keysight Technologies
11	James Young	CommScope	CommScope
12	Jeffrey Maki	Juniper Networks	Juniper Networks
13	John Abbott	Corning Inc	Corning Inc
14	John Kamino	OFS	OFS
15	Jonathan Ingham	Foxconn Interconnect Technology	Foxconn Interconnect Technology
16	Jonathan King	Finisar	Finisar
17	Mabud Choudhury	OFS	OFS
18	Mike Dudek	Marvell	Marvell
19	Norbert Tambe Ebai	CommScope	CommScope
20	Paul Kolesar	CommScope	CommScope
21	Paul Neveux	Superior Essex	Superior Essex
22	Piers Dawe	Mellanox	Mellanox
23	Rakesh Sambaraju	Nexans	Nexans
24	Ramana Murty	Broadcom	Broadcom
25	Raymond Nering	Cisco	Cisco
26	Rick Pimpinella	Panduit	Panduit
27	Robert Lingle, Jr.	OFS	OFS
28	Sam Sambasivan	AT&T	AT&T

28 attendees participated in the April 04, 2019 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: 12:04 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/lingle_3cm_adhoc_01_040419.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.
- Approved previously posted Unapproved Minutes for February 28th, 2019 ad hoc meeting:
http://www.ieee802.org/3/cm/public/adhoc/unapproved_minutes_3cm_adhoc_02_281019.pdf
- TF meeting dates during Salt Lake City Interim:
 - **Monday May 20th, 2019, 08:00 – 18:00** Mountain Daylight Time (MDT, UTC-6)
 - (If necessary) **Tuesday, May 21th, 2019, 08:00 – 12:00** MDT/UTC-6
- Reviewed preparation and goals for March Plenary TF meetings:
 - Primary focus:
 - The focus of the IEEE P802.3cm Task Force meeting at Salt Lake City May Interim TF meeting shall be comment resolution against D2.0
 - Motions for TF and WG to authorize D2.1
- Deadlines for requesting agenda time and submitting presentations (Slide 13 of above link):
 - Request time from Chair, rlingle@ofsoptics.com by midnight **THURSDAY, MAY 9th, 2019 11:59pm (AoE)**
 - Submit presentation to Chair, rlingle@ofsoptics.com by midnight **WEDNESDAY, MAY 15th, 2019 11:59pm (AoE)**

Technical Topics/Contributions:

1. Editors' update – Jonathan Ingham, Chief Editor:

- Slide 10 of http://www.ieee802.org/3/cm/public/adhoc/lingle_3cm_adhoc_01_040419.pdf:
 - Draft 2.0 Ballot:
 - Opened Saturday 23rd March 2019
 - Closes Sunday 21st April 2019 23:59 AOE
 - You may access D2.0 at the following links:
 - Posted: <http://www.ieee802.org/3/cm/private/index.html>
 - Clean version: http://www.ieee802.org/3/cm/private/8023cm_D2p0.pdf
 - Compare version: http://www.ieee802.org/3/cm/private/8023cm_D2p0-compare.pdf
 - Editorial team will provide proposed responses to comments prior to Salt Lake City Interim TF meeting
 - Comments will be resolved at Salt Lake City Interim TF meeting, week of May 20, 2019

2. “Proposed change to 400GBASE-SR4.2 specification” – Jonathan Ingham, Carlo Mariotti:

- http://www.ieee802.org/3/cm/public/adhoc/ingham_3cm_adhoc_01_040419.pdf
- Proposal to change 400GBASE-SR4.2 specification to have interoperation between current 400GBASE-SR4.2 specification (Clause 150 D2.0) and the 100G BiDi specification.
- Both TF Chair and WG Chair cautioned in being careful/rigorous in using proprietary vs. non-standard terminology, as appropriate.
- Extensive technical discussion and suggestions to improve contribution. Discussion about FEC interoperability, overall compatibility. Discussion on further addressing Broad Market Potential. Author/supporters welcomed suggestions and comments.
- General discussion. Clarifying questions were asked and answered.
- Action Item: potentially bringing in LightCounting data/report on installed base.
- TF Chair encouraged off-line consensus building.

3. Further discussion of modal noise penalty allocation:

- Discussion about potential updated/additional detail from Petar Pepeljugin's 2008 modal noise calculations and analysis.
- Discussion if change in modal noise allocation is warranted or not. Additional consensus building required.
- Indication that more measurement data may be available prior to Salt Lake City meeting.
- Rick Pimpinella indicated that he would provide contribution on modal noise and mode partition noise.

Meeting closed: 2:00 pm Eastern Daylight Time/EST (UTC -4)

Next Meeting:

- Thursday, April 25, 2019, 12 noon – 2:00 pm (12:00 – 14:00) Eastern Daylight Time/EDT (UTC -4), 400G over MMF TF Ad Hoc Web/Teleconference