

## January 11, 2018 NGMMF Study Group Ad Hoc Teleconference Meeting Notes

**Group Name:** IEEE 802.3 Next-generation 200 Gb/s and 400 Gb/s MMF PHYs Study Group Ad Hoc

**Date/Location:** Thursday, January 11, 2018. Teleconference

**Chair:** Robert Lingle, Jr., Acting Chair NGMMF SG

**Recording Secretary:** Mabud Choudhury

### Meeting Participants:

	Name	Employer	Affiliation
1	Adrian Young	Leviton Mfg.	Leviton Mfg.
2	Ali Ghiasi	Ghiasi Quantum	Ghiasi Quantum and Huawei
3	Bruce Chow	Corning Inc	Corning Inc
4	Dale Murray	LightCounting	LightCounting
5	Darryl Heckle	Corning Inc	Corning Inc
6	David Law	HPE	HPE
7	Earl Parsons	CommScope	CommScope
8	Flavio Marques	Furukawa Electric Latam	Furukawa Electric Latam
9	Frank Chang	Inphi	Inphi
10	Gary Nicholl	Cisco	Cisco
11	John Abbott	Corning Inc	Corning Inc
12	John D'Ambrosia	FutureWei	FutureWei
13	John Kamino	OFS	OFS
14	John Yurtin	Aptiv	Aptiv
15	Jonathan Ingham	Foxconn Interconnect Technology	Foxconn Interconnect Technology
16	Jonathan King	Finisar	Finisar
17	Jose Castro	Panduit Corp.	Panduit Corp.
18	Mabud Choudhury	OFS	OFS
19	Mark Nowell	Cisco	Cisco
20	Martin White	Cavium	Cavium
21	Mike Dudek	Cavium	Cavium
22	Paul Kolesar	CommScope	CommScope
23	Paul Neveux	Superior Essex	Superior Essex
24	Paul Vanderlaan	Nexans	Nexans
25	Peter Pondillo	Corning Inc	Corning Inc
26	Piers Dawe	Mellanox	Mellanox
27	Rick Pimpinella	Panduit Corp.	Panduit Corp.
28	Robert Lingle, Jr.	OFS	OFS
29	Sam Sambasivan	AT&T	AT&T
30	Steffen Koehler	Finisar	Finisar
31	Steve Swanson	Corning Inc	Corning Inc
32	Sunny Xu	CommScope	CommScope
33	Tom Mitcheltree	US Conec	US Conec
34	Vipul Bhatt	Finisar	Finisar

34 attendees participated in the January 11, 2018 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](mailto:mchoudhury@ofsoptics.com) with a correction.

**Call to order/Meeting Start Time:** 11:02 am Eastern Standard Time (US)

**Chair's remarks:**

- Reminder for participants to record their attendance along with employer/affiliation to Mabud Choudhury at [mchoudhury@ofsoptics.com](mailto:mchoudhury@ofsoptics.com)
- Reviewed Agenda, posted on:  
[http://www.ieee802.org/3/NGMMF/public/adhoc/lingle\\_ngmmf\\_adhoc\\_01\\_011118.pdf](http://www.ieee802.org/3/NGMMF/public/adhoc/lingle_ngmmf_adhoc_01_011118.pdf)
- Participation in IEEE 802 Meetings and Guidelines for IEEE-SA Meetings, including Patent Policy, reviewed (included with Agenda slides). No one indicated being unfamiliar with these policy slides.
- Deadline for requesting presentation slot in Geneva is Friday 1/12 midnight AOE
- A draft of any relative cost analyses should be submitted for review and approval by Tuesday 1/16
- Deadline for receipt of contributions by chair is Thursday 1/18 midnight AOE

**Minutes of previous meeting:** minutes of previous meeting, December 18, 2017, were posted prior to meeting, but not adequate time was allowed for review, so approval was deferred until next Ad Hoc teleconference meeting.

**Approval of agenda:** Agenda was approved.

**Technical Topics:**

**1. Project Schedule Options, Robert Lingle, Jr., Acting Chair SG:**

- Robert Lingle, Jr. showed project schedule options and provided his perspective on desirable timeline for project: Slides 7-9 of  
[http://www.ieee802.org/3/NGMMF/public/adhoc/lingle\\_ngmmf\\_adhoc\\_01\\_011118.pdf](http://www.ieee802.org/3/NGMMF/public/adhoc/lingle_ngmmf_adhoc_01_011118.pdf)
- Based on IEEE 802.3 meeting schedules, if Study Group (SG) misses March Plenary window to request to become Task Force (TF), which requires having draft PAR, draft CSD and some adopted Objectives for January SG meeting, and allows TF to start in May, then the next opportunity to become TF is November – 6 month delay. Acting Chair encouraged goal of March TF request and May TF start to meet desirable timeline. Discussion and concerns about if there would be adequate time as SG.

**2. Objectives & Contributions for Geneva Interim – Robert Lingle, Jr.:**

- Reviewed Acting Chair's slides 10-13 from  
[http://www.ieee802.org/3/NGMMF/public/adhoc/lingle\\_ngmmf\\_adhoc\\_01\\_011118.pdf](http://www.ieee802.org/3/NGMMF/public/adhoc/lingle_ngmmf_adhoc_01_011118.pdf)
- Slide 10: Possible boilerplate objectives reviewed and discussed.
- Slide 11: General discussion on possible PMDs. General consensus on 400G-SR4.2. Interest in 400G-SR8. Possible proposals around 400G-SR1.8 and 400G-SR4.1 (or stated as 400G-SR4). Interest in 200G-SR1.4.

- Slide 12: Proposed Specific objectives for this project discussed. Discussions about reach 100m, or shorter 30m or 70m. Discussion on ensuring Objectives supported CSD. For Broad Market Potential, installed base vs. new installations market potential and needs discussed.
- Slide 13: Summarizes and lists key contributions needed and/or anticipated for Geneva Interim SG meeting.

### 3. Review draft PAR – Mabud Choudhury:

- [http://www.ieee802.org/3/NGMMF/public/adhoc/choudhury\\_ngmmf\\_01a\\_011118.pdf](http://www.ieee802.org/3/NGMMF/public/adhoc/choudhury_ngmmf_01a_011118.pdf)
- First Draft of Major PAR form questions reviewed and discussed.
- General discussion about all Major PAR form questions. Need to add specificity of <4 pairs for 200 Gb/s and <16 pairs for 400 Gb/s discussed and agreed to for Project Scope. Discussion and concerns about wording for Project Need.
- **Outcome/Action Item:** Updated Draft PAR generated based on group feedback for January 16, 2018 Ad Hoc meeting.

**Meeting closed:** 1:06 pm Eastern Standard Time.

**Next Meeting:** Thursday, January 16, 2018, 12pm – 2pm Eastern Standard Time (US). Teleconference