

Approved Minutes  
**IEEE P802.3cm 400 Gb/s over Multimode Fiber Task Force Meeting**  
During IEEE 802.3 Interim Meeting Week  
September 09, 2019  
Indianapolis, IN, US  
Prepared by Mabud Choudhury

**Group Name:** IEEE P802.3cm 400 Gb/s over Multimode Fiber Task Force  
**Date/Location:** Monday, September 09, 2019. Indianapolis, IN, US.  
**Chair:** Robert Lingle, Jr, affiliated with OFS  
**Chief Editor:** Jonathan Ingham, affiliated with FIT  
**Recording Secretary:** Mabud Choudhury, affiliated with OFS  
**Meeting Participants:** Attendance is listed in Appendix A (15 attendees)

**Call to order:**

IEEE P802.3cm 400 Gb/s over Multimode Fiber (400G over MMF) Task Force (TF) during IEEE 802.3 Indianapolis Interim meeting was convened at 8:30 AM Eastern Daylight Time (EDT/UTC -4), Monday, September 09, 2019 by Robert Lingle, Jr, P802.3cm TF Chair.

**Presentation #1:**

**Title:** "Agenda and General Information, IEEE P802.3cm 400 Gb/s over Multimode Fiber Task Force"

**Presenter:** Robert Lingle, Jr

[http://www.ieee802.org/3/cm/public/September19/agenda\\_3cm\\_01\\_0919.pdf](http://www.ieee802.org/3/cm/public/September19/agenda_3cm_01_0919.pdf)

Mr. Lingle welcomed attendees to the IEEE P802.3cm 400G over MMF TF meeting and requested meeting participants to introduce themselves.

Chair covered Task Force decorum, which includes noting that there should be no recording or photography.

Mr. Lingle then proceeded with reviewing the **Agenda** and asked if there any modifications, additions or deletions? There were none.

**Motion #1:**

Move to approve the Agenda for Indianapolis Interim TF meeting, Slide 4 of

[http://www.ieee802.org/3/cm/public/September19/agenda\\_3cm\\_01\\_0919.pdf](http://www.ieee802.org/3/cm/public/September19/agenda_3cm_01_0919.pdf)

- Moved by Paul Kolesar
- Seconded by James Young
- Motion approved by voice vote without objection. (Procedural > 50%)

## Approve July 17, 2019 Minutes

### Motion #2:

Move to approve meeting minutes, previously posted, for July 17, 2019 IEEE P802.3cm Task Force meeting during Vienna Plenary:

[http://www.ieee802.org/3/cm/public/July19/unapproved\\_meeting\\_minutes\\_3cm\\_01\\_0719.pdf](http://www.ieee802.org/3/cm/public/July19/unapproved_meeting_minutes_3cm_01_0719.pdf)

- Moved by Paul Kolesar
- Seconded by Mike Dudek
- Motion approved by voice vote without objection. (Procedural > 50%)

Chair then reviewed the goals for the meeting, big ticket items, access to the reflector and website, private area <http://www.ieee802.org/3/cm/private/index.html> (with username and password provided during meeting), and ground rules for the meeting.

**Attendance:** Mr. Lingle advised the group of the IEEE meeting attendance tool and procedures, including both the attendance book and the web attendance tracking tool <http://imat.ieee.org/>, and provided the Interim meeting session IMAT password.

Chair reviewed the IEEE structure for standards development and the bylaws by which the Task Force is governed.

**IEEE Patent Policy:** Mr. Lingle showed the patent slides 1 to 4 (slides 14 to 17 of [http://www.ieee802.org/3/cm/public/September19/agenda\\_3cm\\_01\\_0919.pdf](http://www.ieee802.org/3/cm/public/September19/agenda_3cm_01_0919.pdf)).

Mr. Lingle made the call for potentially essential patents at 8:37 AM EDT/UTC -4, and none responded.

Mr. Lingle showed slide 18 of

[http://www.ieee802.org/3/cm/public/September19/agenda\\_3cm\\_01\\_0919.pdf](http://www.ieee802.org/3/cm/public/September19/agenda_3cm_01_0919.pdf) entitled "Participation in IEEE 802 Meetings."

The Chair reviewed overall the IEEE 802.3 Standards process and where the P802.3cm TF was in that process: Standards Association ballot phase.

The Chair then showed the locations of the approved project documents – PAR, CSD and Objectives. He then reviewed the TF Timeline.

Chair showed TF Standards Association D3.0 ballot results: slide 28 of

[http://www.ieee802.org/3/cm/public/September19/agenda\\_3cm\\_01\\_0919.pdf](http://www.ieee802.org/3/cm/public/September19/agenda_3cm_01_0919.pdf), but deferred to Chief Editor's report in covering ballot result details.

Titles and links for all presentations/contributions for this meeting were shown. There were no technical contributions for this meeting.

Schedule for TF meeting on Monday, September 09 and Tuesday, September 10 were reviewed. Chair indicated that we would likely complete all agenda items on Monday and that meeting on Tuesday, September 10 may not be necessary.

Future meeting dates and locations were reviewed.

**Presentation #2:**

**Title:** "Editorial report and comment agenda"

**Presenter:** Jonathan Ingham

[http://www.ieee802.org/3/cm/public/September19/ingham\\_3cm\\_01\\_0919.pdf](http://www.ieee802.org/3/cm/public/September19/ingham_3cm_01_0919.pdf)

Chief Editor Jonathan Ingham presented status and results for D3.0 SA ballot, key dates associated with D3.0, comments received, comment distribution table, comment distributions by clause and by draft, meeting goals related to comment resolution, list of comments to be resolved - 5 comments total - by Task Force during this meeting, and bucket motion for 30 comments.

**Comment resolution began**

Task Force took a break at 10:01 AM EDT, resuming at 10:24 AM EDT

Comment resolution resumed.

**Straw Poll #1:**

For Comment ID 30, see [P802d3cm\\_D3p0\\_comments\\_proposed\\_by\\_ID.pdf](#)

Do you support:

A) Make no change to the specification

B) Define TDECQ as the highest value obtained with 8.96 GHz and 13.28125 GHz filters

A: 6

B: 4

All proposed responses by Chief Editor to comments to be resolved and to comments listed in "bucket" [http://www.ieee802.org/3/cm/public/September19/ingham\\_3cm\\_01\\_0919.pdf](http://www.ieee802.org/3/cm/public/September19/ingham_3cm_01_0919.pdf) were discussed, with multiple comments removed from bucket for further discussion. The Task Force group successfully resolved/closed all comments and generated final responses to comments. There remained some unsatisfied negative comments against D3.0

**Comment resolution completed.****Motion #3:**

Move to:

- Adopt responses to comments as closed in this meeting.
- Adopt proposed responses to remaining comments listed in [P802d3cm\\_D3p0\\_comments\\_proposed\\_bucket\\_by\\_clause.pdf](#)
- Generate Draft 3.1, from D3.0 and closed comments, for IEEE Standards Association Recirculation ballot.

- Moved by: John Abbott                      2<sup>nd</sup>: James Young
- Technical: >= 75%
- Results: Yes: 10                      No: 0                      Abstain: 0
- Motion Passes!

Final responses to comments against D3.0 were posted after the meeting:

[http://www.ieee802.org/3/cm/comments/P802p3cm\\_D3p0\\_comments\\_final\\_by\\_clause.pdf](http://www.ieee802.org/3/cm/comments/P802p3cm_D3p0_comments_final_by_clause.pdf)

[http://www.ieee802.org/3/cm/comments/P802p3cm\\_D3p0\\_comments\\_final\\_by\\_ID.pdf](http://www.ieee802.org/3/cm/comments/P802p3cm_D3p0_comments_final_by_ID.pdf)

Unsatisfied negative comments against D3.0 were also posted after the meeting:

[http://www.ieee802.org/3/cm/comments/P802d3cm\\_D3p0\\_unsatisfied\\_by\\_clause.pdf](http://www.ieee802.org/3/cm/comments/P802d3cm_D3p0_unsatisfied_by_clause.pdf)

[http://www.ieee802.org/3/cm/comments/P802d3cm\\_D3p0\\_unsatisfied\\_by\\_ID.pdf](http://www.ieee802.org/3/cm/comments/P802d3cm_D3p0_unsatisfied_by_ID.pdf)

#### **Straw Poll on Attendance for future P802.3cm Task Force Meetings:**

- Attend 802.3 plenary, November 2019 Waikoloa Village, HI, USA:  
– Y: 8            N: 1            M: 1
- Attend 802.3 interim, January 2020 Geneva, CH:  
– Y: 5            N: 0            M: 5

#### **Motion #4:**

Move to Adjourn Plenary TF Meeting

- Moved by: Mike Dudek            2<sup>nd</sup>: Pavel Zivny
- Motion approved by voice vote without objection. (Procedural > 50%)

The TF Interim Meeting was adjourned at 11:54 AM EDT/UTC -2, Monday, September 09, 2019.

#### **Next Meeting:**

Next in-person IEEE 802.3cm Task Force meeting is scheduled for week of November 11<sup>th</sup>, 2019 for IEEE 802.3 Plenary, Waikoloa Village, HI, USA.

**Appendix A: Attendees at the IEEE 802.3 400 Gb/s over Multimode Fiber Task Force during Indianapolis Interim Meeting, 09 September 2019.**

15 individuals signed in on Monday, 09 September, 8:30 PM – 11:54 PM EDT/UTC -4

	Last Name	First Name	Employer	Affiliation	09-Sept
1	Abbott	John	Corning	Corning	x
2	Anslow	Pete	Ciena	Ciena	x
3	Choudhury	Mabud	OFS	OFS	x
4	Dawe	Piers	Mellanox	Mellanox	x
5	Dudek	Mike	Marvell	Marvell	x
6	Ingham	Jonathan	Foxconn Interconnect Technology	Foxconn Interconnect Technology	x
7	Kolesar	Paul	CME Consulting	CommScope	x
8	Lingle, Jr	Robert	OFS	OFS	x
9	Pham	Phong	US Conec	US Conec	x
10	Stassar	Peter	Huawei	Huawei	x
11	Trowbridge	Steve	Nokia	Nokia	x
12	Pham	Phong	US Conec	US Conec	x
13	Young	James	CommScope	CommScope	x
14	Zhuang	Yan	Huawei	Huawei	x
15	Zivny	Pavel	Tektronix	Tektronix	x