

IEEE P802.3cm 400G over MMF Task Force Ad Hoc Telecon

Robert Lingle, Jr., Chair

IEEE P802.3cm 400 Gb/s over MMF Task Force

Employer & Affiliation: OFS

December 7, 2018

WebEx & Call-in Information

Join meeting in my WebEx Personal Room

https://themeetingson.webex.com/join/webex_2220505 | 717 453 872

Join by phone

1-8007682983 Conference dial-in number

access code: 798 501 5

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Agenda

- Please record attendance with employer & affiliation to Mabud Choudhury at mchoudhury@ofsoptics.com
- Approve agenda
- IEEE 802 Participation, review patent slides
- Approve prior ad hoc call unapproved meeting minutes
- Today's topics:
 - Editor's update – Jonathan Ingham
 - Discussion of possible schedule change to extend TF review
 - Discussion of Big Ticket items for advancing to WG ballot
 - Preparation for Long Beach January Interim
- Deadlines for Requesting Agenda Time and Submitting Presentations
- Any walk-on items

Participation in IEEE 802 Meetings

Participation in any IEEE 802 meeting (Sponsor, Sponsor subgroup, Working Group, Working Group subgroup, etc.) is on an individual basis

- Participants in the IEEE standards development individual process shall act based on their qualifications and experience. (https://standards.ieee.org/develop/policies/bylaws/sb_bylaws.pdf section 5.2.1)
- IEEE 802 Working Group membership is by individual; “Working Group members shall participate in the consensus process in a manner consistent with their professional expert opinion as individuals, and not as organizational representatives”. (subclause 4.2.1 “Establishment”, of the IEEE 802 LMSC Working Group Policies and Procedures)
- Participants have an obligation to act and vote as an individual and not under the direction of any other individual or group. A Participant’s obligation to act and vote as an individual applies in all cases, regardless of any external commitments, agreements, contracts, or orders.
- Participants shall not direct the actions or votes of any other member of an IEEE 802 Working Group or retaliate against any other member for their actions or votes within IEEE 802 Working Group meetings, see https://standards.ieee.org/develop/policies/bylaws/sb_bylaws.pdf section 5.2.1.3 and the IEEE 802 LMSC Working Group Policies and Procedures, subclause 3.4.1 “Chair”, list item x.

By participating in IEEE 802 meetings, you accept these requirements. If you do not agree to these policies then you shall not participate.

(Latest revision of IEEE 802 LMSC Working Group Policies and Procedures: <http://www.ieee802.org/devdocs.shtml>)

Participants have a duty to inform the IEEE

- Participants shall inform the IEEE (or cause the IEEE to be informed) of the identity of each holder of any potential Essential Patent Claims of which they are personally aware if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents
- Participants should inform the IEEE (or cause the IEEE to be informed) of the identity of any other holders of potential Essential Patent Claims

**Early identification of holders of potential
Essential Patent Claims is encouraged**

Ways to inform IEEE

- Cause an LOA to be submitted to the IEEE-SA (patcom@ieee.org); or
- Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or
- **Speak up now and respond to this Call for Potentially Essential Patents**

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair

Other guidelines for IEEE WG meetings

- All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.
 - Don't discuss the interpretation, validity, or essentiality of patents/patent claims.
 - Don't discuss specific license rates, terms, or conditions.
 - Relative costs of different technical approaches that include relative costs of patent licensing terms may be discussed in standards development meetings.
 - Technical considerations remain the primary focus
 - Don't discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.
 - Don't discuss the status or substance of ongoing or threatened litigation.
 - Don't be silent if inappropriate topics are discussed ... do formally object.

For more details, see *IEEE-SA Standards Board Operations Manual*, clause 5.3.10 and *Antitrust and Competition Policy: What You Need to Know* at <http://standards.ieee.org/develop/policies/antitrust.pdf>

Patent-related information

The patent policy and the procedures used to execute that policy are documented in the:

- ***IEEE-SA Standards Board Bylaws***
(<http://standards.ieee.org/develop/policies/bylaws/sect6-7.html#6>)
- ***IEEE-SA Standards Board Operations Manual***
(<http://standards.ieee.org/develop/policies/opman/sect6.html#6.3>)

Material about the patent policy is available at
<http://standards.ieee.org/about/sasb/patcom/materials.html>

If you have questions, contact the IEEE-SA Standards Board Patent Committee
Administrator at patcom@ieee.org

Approve Previous TF Ad Hoc Meeting Minutes

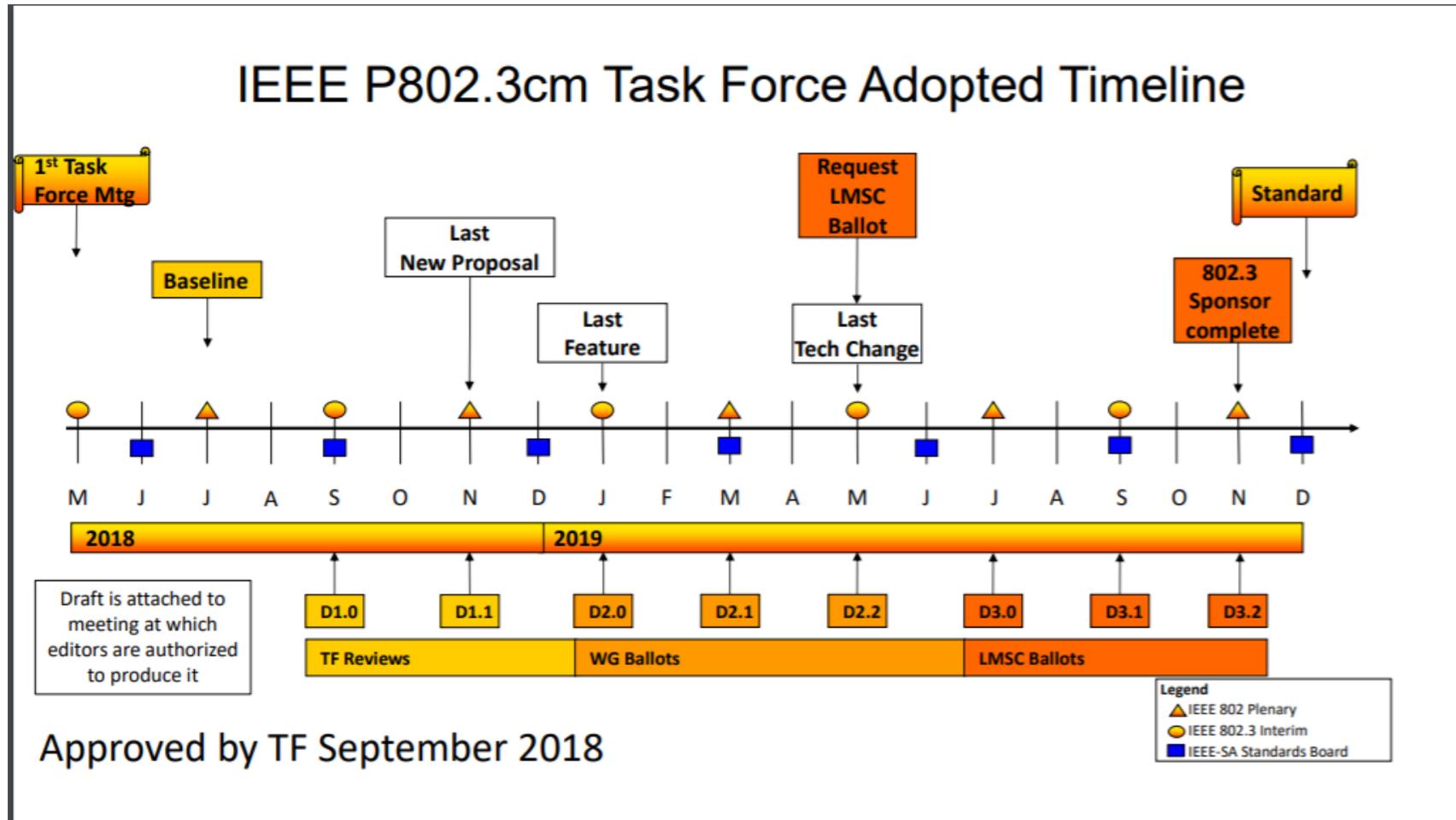
- Approve Unapproved Minutes for August 23rd, August 30th, September 27th, October 11th and October 25th, 2018 ad hoc meetings:
 - http://www.ieee802.org/3/cm/public/adhoc/unapproved_minutes_3cm_adhoc_01_082318.pdf
 - http://www.ieee802.org/3/cm/public/adhoc/unapproved_minutes_3cm_adhoc_01_083018.pdf
 - http://www.ieee802.org/3/cm/public/adhoc/unapproved_minutes_3cm_adhoc_01_092718.pdf
 - http://www.ieee802.org/3/cm/public/adhoc/unapproved_minutes_3cm_adhoc_01_101118.pdf
 - http://www.ieee802.org/3/cm/public/adhoc/unapproved_minutes_3cm_adhoc_01_102518.pdf

Editor's Update

- Draft 1.1 open for review from November 30th, 2018 through midnight AoE on New Years' Eve December 31st, 2018
- You may access D1.1 at the following links:
 - Posted: <http://www.ieee802.org/3/cm/private/index.html>
 - Private Area Username and Password (provided during meeting)
 - Clean version: http://www.ieee802.org/3/cm/private/8023cm_D1p1.pdf
 - Compare version: http://www.ieee802.org/3/cm/private/8023cm_D1p1-compare.pdf
- Comment files should be sent to:
 - Robert Lingle, Jr., TF Chair: rlingle@ofsoptics.com
 - Jonathan Ingham, Acting Chief Editor: jonathan.ingham@foit-foxconn.com
 - Pete Anslow, 802.3 Secretary, who is graciously assisting the 802.3cm Task Force as an editorial advisor: panslow@ciena.com
- Editorial team will provide proposed responses to comments before Long Beach Interim TF meeting
- Comments will be resolved at Long Beach Interim TF meeting, January 17-18, 2019

Discussion of possible schedule change to extend TF review

- Current Adopted Timeline:



Discussion of Big Ticket items for advancing to WG ballot

- Modal noise penalty – Castro presented measurements aiming to quantify modal noise with 25 Gbaud VCSELs, which generated interest. There were questions about translating from NRZ to PAM4. Contributor asked the group for suggestions/comments on the measurement methodology.
- Tx transition time – comment #43 against clause (now) 150 to change the max Tx transition time from 34 to 30 ps received some support in a straw poll when the proposal was modified to change from 34 to 32 ps
 - http://iee802.org/3/cm/comments/P802p3cm_D1p0_comments_final_by_ID.pdf
- A contribution in Bangkok indicated interest in changing RMS spectral width for 910nm wavelength from 0.60 to 0.65 nm, but no comment was submitted against D1.0

Preparation for Long Beach January Interim

- TF Meeting dates:
 - Thursday January 17th, 2019, 13h00 - 18h00 and Friday, January 18th, 2019, 08h00 - 12h00
 - <http://ieee802.org/3/interims/jan19/schedule.html>
- Primary focus:
 - The focus of the IEEE P802.3cm Task Force meeting at Long Beach, CA Interim shall be **comment resolution against D1.1**
- Consensus building on Big Ticket items
- Motion to formally modify the timeline
- An ad hoc call will be held Thursday 1/10/2019

Deadline for Requesting Agenda Time and Submitting Presentations for Long Beach TF Meeting

- The presenter shall request time by **THURSDAY, JANUARY 3rd, 2019** ([AoE](#)). Requests shall be submitted by sending an email to the Chair, rlingle@ofsoptics.com
- The presenter shall submit a PDF, soft-copy version of the presentation, by e-mailing it to the Chair, rlingle@ofsoptics.com . This shall be done by **THURSDAY, JANUARY 10th, 2019** ([AoE](#)) for publication to the IEEE 802.3 400 Gb/s over Multimode Fiber Task Force web site.
- Procedure for Presenters:
<http://www.ieee802.org/3/cm/public/presentproc.html>

Walk-On Items