

IEEE P802.3cm
400 Gb/s over Multimode Fiber
Task Force
Opening Report

Robert Lingle Jr
OFS

Bangkok, Thailand
November 12, 2018

IEEE P802.3cm Task Force Project Information

Task force organization

Robert Lingle Jr, OFS, TF Chair

Mabud Choudhury, OFS, TF Secretary

Jonathan King, Finisar, Editor-in-Chief & SR8 clause

Jonathan Ingham, FIT, Editor for SR4.2 clause

Task force web & reflector information

Reflector: <http://www.ieee802.org/3/NGMMF/reflector.html>

Home page: <http://www.ieee802.org/3/cm/>

Project documentation

PAR: http://www.ieee802.org/3/cm/P802_3cm_PAR_140518.pdf

CSD: <https://mentor.ieee.org/802-ec/dcn/18/ec-18-0018-02-00EC-ieee-p802-3cm-draft-csd.pdf>

Objectives: http://www.ieee802.org/3/cm/Adopted_Objectives_NGMMF_01_08mar18.pdf

Approved Timeline: http://www.ieee802.org/3/cm/adopted_timeline_3cm_01_0918.pdf

Adopted Objectives

1. Support full-duplex operation only
2. Preserve the Ethernet frame format utilizing the Ethernet MAC
3. Preserve the minimum and Maximum FrameSize of current Ethernet standard
4. Provide appropriate support for OTN
5. Specify optional Energy Efficient Ethernet (EEE) capability
6. Support a BER of better than or equal to 10^{-13} at the MAC/PLS service interface (or the frame loss ratio equivalent)
7. Support a MAC data rate of 400 Gb/s
8. Define a physical layer specification that supports 400 Gb/s operation over 8 pairs of MMF with lengths up to at least 100m
9. Define a physical layer specification that supports 400 Gb/s operation over 4 pairs of MMF with lengths up to at least 100m

Activities since July 2018 plenary

Held three ad hoc calls

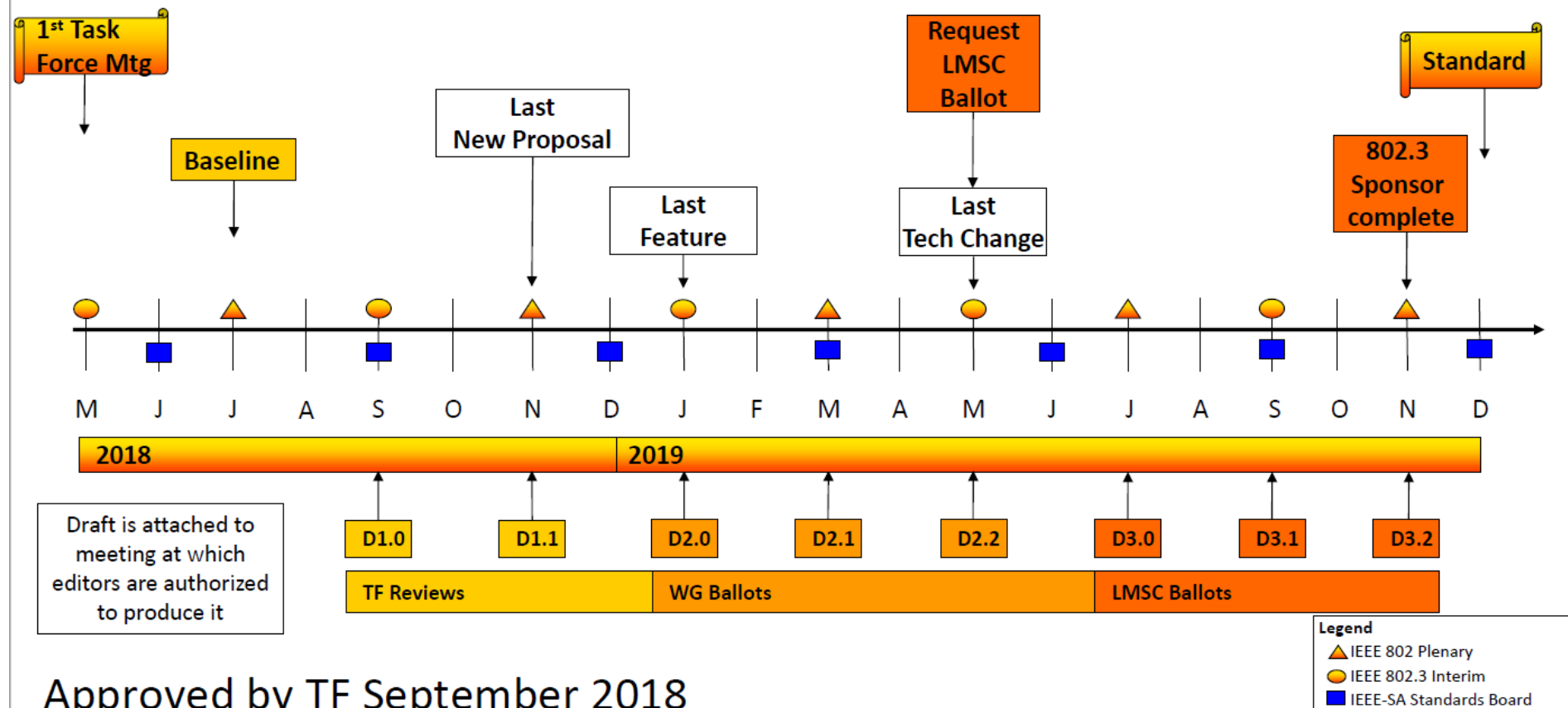
- <http://www.ieee802.org/3/cm/public/adhoc/index.shtml>

Met during the Sept 2018 interim meeting series

- <http://www.ieee802.org/3/cm/public/September18>
- Major items discussed, decisions made and actions
 - Heard 3 contributions; 23 attendees over one day
 - Conducted informal comment resolution on D0.2
 - http://www.ieee802.org/3/cm/public/May18/straw_polls_and_technical_motions_3cm_0518.pdf
 - Resolved remaining TBDs in baseline, then authorized generation of D1.0
 - Adopted a project timeline

IEEE P802.3cm approved project timeline

IEEE P802.3cm Task Force Adopted Timeline



Approved by TF September 2018

IEEE P802.3cm Task Force: this week's plan

Meeting schedule

- Scheduled for Monday afternoon & Tuesday morning
- <http://schedule.802world.com/schedule/schedule/show#>

Goals for the meeting

- Resolve comments on D1.0
- Authorize editors to produce D1.1

Big Ticket Item

- Motion to authorize D1.1

Questions?

Thank you!