

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

Closing Report

Ken Jackson, Acting Chair
Sumitomo

Vienna, Austria, July 18, 2019

IEEE P802.3cm Progress this week

- ~11 attendees
- D2.1 Comment Resolution:
 - All received comments resolved (E:14 ER:0 T:2 TR:3)
 - Final comment responses
 - <http://www.ieee802.org/3/cm/comments/index.html>
 - Remaining unsatisfied comments:
 - 5 unsatisfied comments from D2.0
 - 3 unsatisfied comments from D2.1 – all repeats of unsatisfied comments against D2.0
- 5 motions and 1 straw poll were taken
 - TF approved requesting approval by WG to move to Standards Association Ballot

Key Motions

Motion #3:

- Move to:
 - Adopt responses to comments as closed in this meeting.
 - Adopt proposed responses to remaining comments listed in [P802d3cm D2p1 comments proposed bucket by clause.pdf](#)
 - Generate Draft 3.0, from D2.1 and closed comments, for IEEE Standards Association ballot.
- M: James Young S: Flavio Marques Y/N/A: 8/0/0

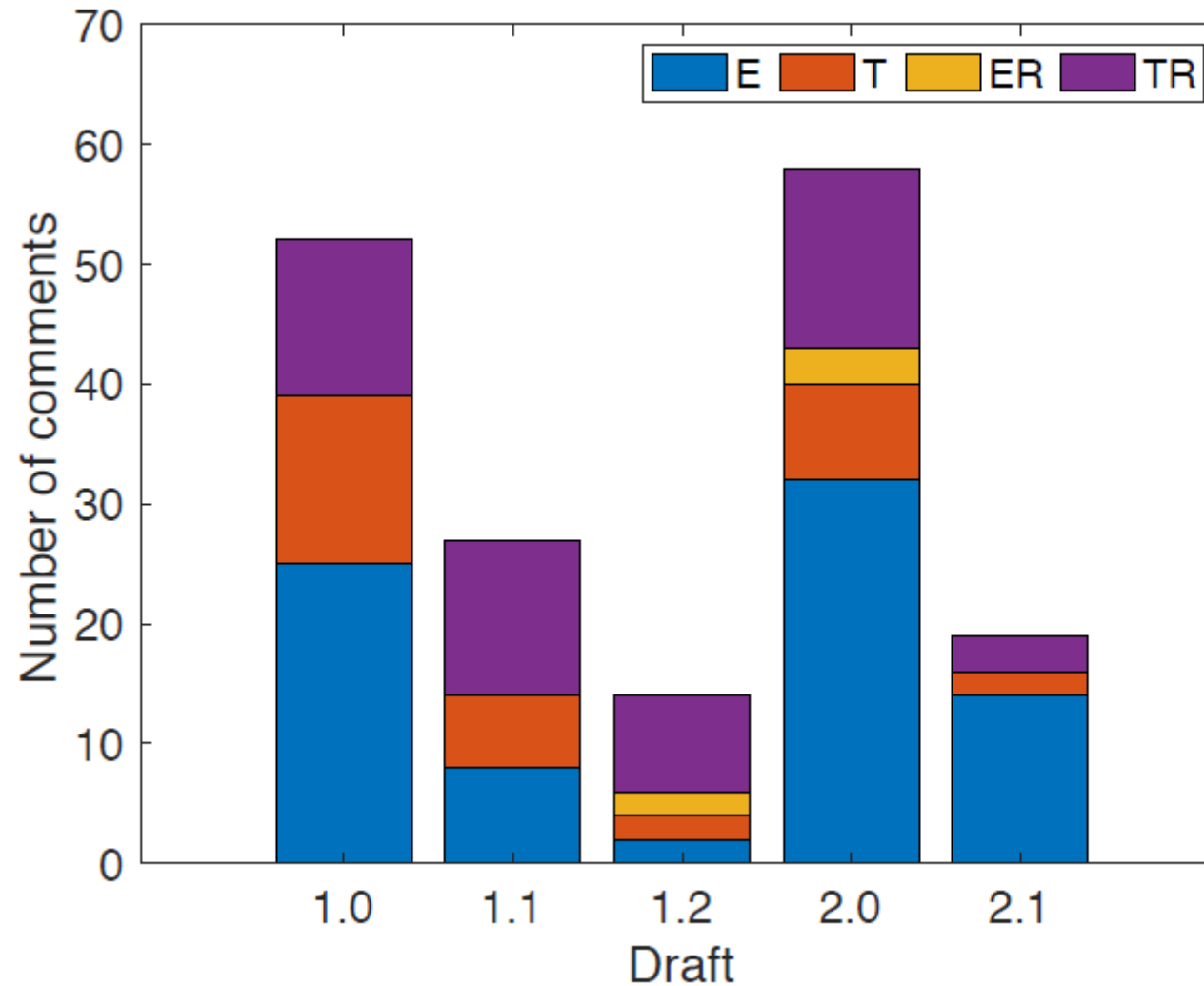
Motion #4:

- Move to re-affirm the CSD responses in <https://mentor.ieee.org/802-ec/dcn/18/ec-18-0078-00-ACSD-802-3cm.pdf> and request approval to progress the P802.3cm draft to IEEE Standards Association ballot.
- M: James Young S: Earl Parsons Y/N/A: 6/0/2

P802.3cm Ballot Statistics

	Initial D2.0			1st Recirculation D2.1		
	#	%	Status	#	%	Status
Voters	236			236		
Approve	103	93	≥75%	129	98	≥75%
Disapprove	7			2		
Abstain	23	17	<30%	28	17	<30%
Returns	133	56	>50%	159	67	>50%
Comments	58			19		

P802.3cm Task Force Comment Progress



Summary of Changes Implemented in D3.0

- Changes made on 3 (of 71) pages, in frontmatter only:
 - Page 1:
Changed “as amended by IEEE Std 802.3cb-2018, IEEE Std 802.3bt-2018, and IEEE Std 802.3cd- 2018” to:
“as amended by IEEE Std 802.3cb-2018, IEEE Std 802.3bt-2018, IEEE Std 802.3cd-2018, IEEE Std 802.3cg-20xx, and IEEE Std 802.3cq-20xx”
 - Pages 11 and 12:
Added the summary for IEEE Std 802.3cg-20xx as Amendment 4 after the summary for IEEE Std 802.3cd-2018
Added the summary for IEEE Std 802.3cq-20xx with no amendment number after the summary for IEEE Std 802.3cg-20xx
 - Page 12:
Replaced regular space with non-breaking space in “100 m”

Summary of Unsatisfied Comments (Drafts 2.0 & 2.1)

- 7 unsatisfied TR comments and 1 unsatisfied ER comment from 2 commenters
 - http://www.ieee802.org/3/cm/comments/P802d3cm_D2p1_to_D2p0_unsatisfied_by_ID.pdf
- The 8 unsatisfied comments are associated with the two optical PMD clauses:
 - Clause 138: Single-wavelength PAM4-based MMF PMDs (50GBASE-SR, 100GBASE-SR2, 200GBASE-SR4 and 400GBASE-SR8)
 - Clause 150: Two-wavelength PAM4-based MMF PMD (400GBASE-SR4.2)
- The 7 unsatisfied TR comments from one commenter relate to the optical TDECQ (Transmitter and Dispersion Eye Closure - quaternary) measurement methodology and associated link budget
 - The TDECQ methodology specified in P802.3cm D2.1 is consistent with that in IEEE Std 802.3cd-2018, in particular Clause 138
- The 1 unsatisfied ER comment requests a change to the listing of the PMD types
 - The style of listing the PMD types in P802.3cm D3.0 is consistent with the style used in many in-force Clauses, for instance 87, 88, 114 and 138

Motion

- Move that the IEEE 802.3 Working Group re-affirm the CSD responses in <https://mentor.ieee.org/802-ec/dcn/18/ec-18-0078-00-ACSD-802-3cm.pdf> and request approval to progress the IEEE P802.3cm draft to IEEE Standards Association ballot.

M: Ken Jackson

S: Jonathan Ingham

Technical ($\geq 75\%$)

Results: Yes:

No:

Abstain:

Thank You!