IEEE P802.3db 100 Gb/s, 200 Gb/s, and 400 Gb/s Short Reach Fiber TF Opening Report

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Hybrid Plenary, Montreal, Quebec, Canada

14 July 2022

IEEE P802.3db 100 Gb/s, 200 Gb/s, and 400 Gb/s Short Reach Fiber
Project information

Task Force Organization

Robert Lingle, Jr., Task Force Chair

Mabud Choudhury, Task Force Vice-Chair & Recording Secretary

Earl Parsons, Task Force Editor

Ramana Murty, Task Force Editor

Task force web and reflector information

Reflector information: http://ieee802.org/3/db/reflector.html

Home page: http://ieee802.org/3/db/index.html

PAR: http://ieee802.org/3/db/P802d3db_PAR.pdf

CSD: https://mentor.ieee.org/802-ec/dcn/20/ec-20-0097-01-ACSD-p802-3db.pdf

Objectives: https://www.ieee802.org/3/db/P802d3db_Updated_Objectives_Approved_November_2020.pdf

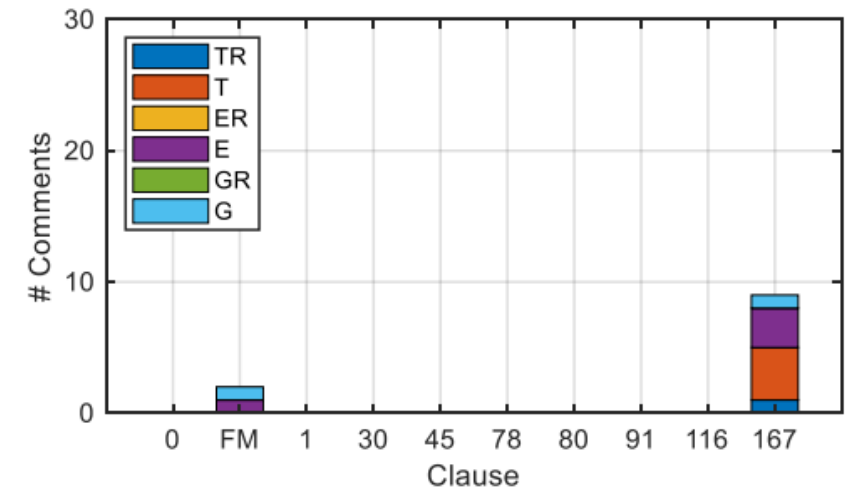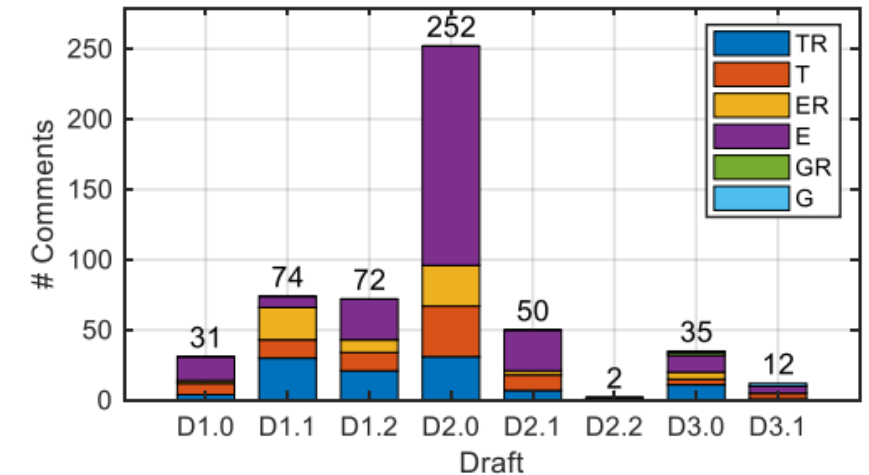# IEEE P802.3db 100 Gb/s, 200 Gb/s, and 400 Gb/s Short Reach Fiber Activities for this July 2022 plenary

No meetings were held

We are in IEEE 2nd SA recirculation ballot/D3.2

- Opened 2nd SA recirculation ballot on 5th July 2022
- Ballot close date of Wednesday 20th July 2022, 23:59 AOE

IEEE P802.3db 100 Gb/s, 200 Gb/s, and 400 Gb/s Short Reach Fiber
June TF Interim Series Meeting Recap

- 28, 29 June interim series teleconference meetings
  - Considered a liaison letter to INCITS T11.2
  - Responded to 12 comments (including one non-ballot comment) against 1st SA recirculation ballot/D3.1. Considered one supporting technical contribution
  - Authorized generation of Draft 3.2, from D3.1 and closed comments
  - Reaffirmed the CSD responses in https://mentor.ieee.org/802-ec/dcn/20/ec-20-0097-01-ACSD-p802-3db.pdf
  - Requested conditional approval to progress the IEEE P802.3db draft to RevCom

P802.3db TF initial & 1st recirculation SA ballot results

Date ballot closed:

The 1st Standards Association recirculation ballot on IEEE P802.3db 100 Gb/s, 200 Gb/s, and 400 Gb/s Short Reach Fiber closed on 21st June 2022 at 23:59 UTC-12

Vote tally:

	Initial Draft D3.0			1st Recirculation Draft D3.1			Req %
	#	%	Status	#	%	Status	
Abstain	3	3	PASS	3	3	PASS	< 30
Dis with comment	8	-	-	2	-	-	-
Dis w/o comment	0	-	-	0	-	-	-
Approve	69	89	PASS	82	97	PASS	≥ 75
Ballots returned	80	84	PASS	87	91	PASS	≥ 75
Voters	95	-	-	95	-	-	-
Comments	35	-	-	12	-	-	-
Public comments	0	-	-				

Note: 1 of the 2 Disapprove with comment votes was switched to Approve after 1st SA recirculation ballot/D3.1 closed. So, there is currently only 1 Disapprove with comment vote.

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Unsatisfied Comments

Comments that support the remaining disapprove votes and responses

Comments that support the remaining disapprove votes and responses:

2 unsatisfied TR comments (1 against D3.0 & 1 against D3.1) from 1 disapprove voter

See P802d3db_D3p0_D3p1_unsatisfied_comments_071022.pdf

Summary:

1 unsatisfied TR comment: Request to add a specification for K' to the transmit characteristics, Table 167-7, where K' is a metric intended to quantify the non equalizable component of a signal at the receiver. Rejected. The proposal did not have any support

1 unsatisfied TR comment: Request to modifying the T(D)ECQ (Transmitter (and Dispersion) Eye Closure – quaternary) specifications by adding another link test (OMA – T(D)ECQ) for the situation where receiver sensitivity is better than worst case. Rejected. The proposal did not have any support.

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Future schedule to RevCom submittal

Meeting schedule:

2nd Standards Association recirculation ballot day one	5 July 2022
2nd Standards Association recirculation ballot close	20 July 2022
IEEE P802.3db comment resolution meeting	25 July 2022
3rd Standards Association recirculation ballot day one	29 July 2022
RevCom submittal deadline	11 August 2022
3rd Standards Association recirculation ballot close	14 August 2022
IEEE P802.3db comment resolution meeting	17 August 2022
RevCom meeting	20 September 2022
IEEE SA Standards Board teleconference meeting	22 September 2022

Note: 3rd Standards Association recirculation ballot only if required

WG Motion

Move that the IEEE P802.3 Working Group approve IEEE_802d3_to_T11-2_062822_draft1_redacted.pdf with editorial license granted to the Chair (or his appointed agent) as liaison communication from the IEEE 802.3 Working Group to INCITS T11.2

- M: Earl Parsons
- S: Mabud Choudhury
- Y: N: A:
- Technical (>/=75% of 802.3 voters)
- Motion

.3db Motion #2

- Move that the IEEE P802.3db Task Force approve IEEE_802d3_to_T11-2_062822_draft1_redacted.pdf with editorial license granted to the Chair (or his appointed agent) as liaison communication from the IEEE 802.3 Working Group to INCITS T11.2
- M: Mike Dudek
- S: Pavel Zivny
- Y: N: A:
- Technical (>/=75% of 802.3 voters)
- Motion passes by unanimous consent

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WG Motion

Move that the IEEE 802.3 Working Group re-affirm the CSD responses in https://mentor.ieee.org/802-ec/dcn/20/ec-20-0097-01-ACSD-p802-3db.pdf and request conditional approval to progress the IEEE P802.3db draft to RevCom once the IEEE Standards Association ballot process has been successfully completed.

- Moved by Mabud Choudhury on behalf of the Task Force
- Y: N: A:
- Technical (>/=75% of 802.3 voters)
- Motion

.3db Motion 4

Move that the IEEE 802.3db Task Force re-affirm the CSD responses in https://mentor.ieee.org/802-ec/dcn/20/ec-20-0097-01-ACSD-p802-3db.pdf and request conditional approval to progress the IEEE P802.3db draft to RevCom once the IEEE Standards Association ballot process has been successfully completed.

- M: Bob Grow
- S: Ali Ghiasi
- Technical (>/=75% of 802.3 voters)
- Motion passes by unanimous consent!

Questions?

Thank you!