

IEEE P802.3db 100 Gb/s, 200 Gb/s, and 400 Gb/s Short Reach Fiber Task Force Closing Report

Robert Lingle, Jr.

OFS

Project Information

Task Force Organization

Robert Lingle, Jr., Task Force Chair

Mabud Choudhury, Task Force Vice-Chair & Secretary

Ramana Murty, Co-Editor

Earl Parsons, Co-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>

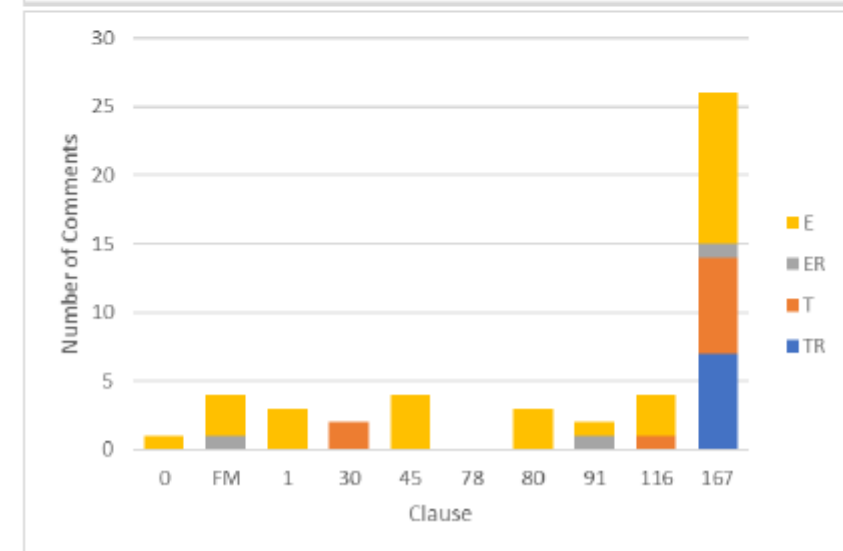
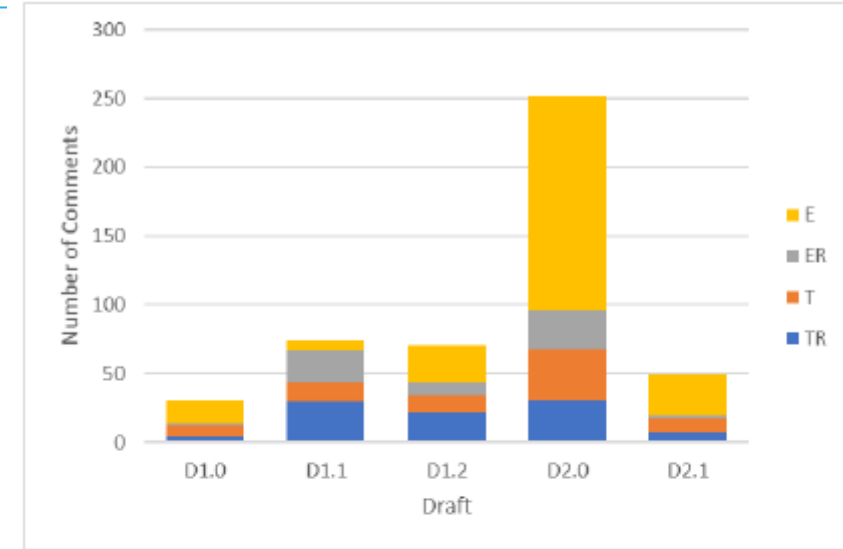
Objectives: http://ieee802.org/3/db/P802d3db_Objectives_Approved_May_2020.pdf

Timeline: [IEEE P802.3db Timeline approved November 2021](#)

Interim Meeting Recap

Task Force met January 11, 13, 17, 19

- Conducted CR on 50 comments against D2.1
- Considered a liaison letter to INCITS T11.2
- Discussed the path to success for seeking to advance to Standards Association ballot
- Reviewed and reaffirmed the CSD Responses
- [Adopted CSD Responses 100GSR 0120](#)
- Believe we need to recirculate some changes made in comment resolution this week



Ballot close date and results

Date the ballot closed

The **1st Working Group recirculation** ballot on IEEE P802.3db draft D2.1 closed on **12/30/2021** at 23:59 AoE

Vote tally

	Initial Draft D2.0			1 st Recirculation Draft D2.1			Req %
	#	%	Status	#	%	Status	
Abstain	19	12.0	PASS	17	9.9	PASS	< 30
Dis with comment	18	-	-	4	-	-	-
Dis w/o comment	0	-	-	0	-	-	-
Approve	122	87.1	PASS	150	97.4	PASS	≥ 75
Ballots returned	159	70.7	PASS	171	76.0	PASS	> 50
Voters	225	-	-	225	-	-	-
Comments	250	-	-	50	-	-	-

Unsatisfied comments

Comments that support the remaining disapprove votes and responses

6 unsatisfied TR comments from 3 commenters

[P802d3db D2p0 unsatisfied by ID.pdf](#)

[P802d3db D2p1 unsatisfied by ID 011922.pdf](#)

Summary description of unsatisfied comments:

- 1 TR: Add a specification for K' to the transmit characteristics, Table 167-7
- 2 TR: Adopt the MMSE method for equalizer optimization in TDECQ to reduce test time
- 1 TR: Proper text when referring to Annex J.2
- 1 TR: In Table 167-11, replace PMD signals with PCS signals, 100GBASE-R with CL91 RS-FEC, 200GBASE-R, or 400GBASE-R signals
- 1 TR: Do not duplicate the jitter mask from CL121 in Clause 167; other clauses do not do so

Future schedule to Standards Association Ballot

Recirculation ballot and resolution meeting schedule

1 st Working Group recirculation ballot day one	12/15/2021
1 st Working Group recirculation ballot close	12/30/2021
IEEE P802.3db comment resolution meeting	Jan 11-19
2 nd Working Group recirculation ballot day one (est.)	Feb 1
SA ballot group formation period closes	Feb 13
2 nd Working Group recirculation ballot close (est.)	Feb 16
IEEE P802.3db comment resolution meeting (est.)	February 21-22

Working Group Motion

Request conditional approval to progress the IEEE P802.3db draft to SA ballot once the Working Group ballot process has been successfully completed.

Moved by Robert Lingle on behalf of the Task Force

Technical (> 75%)

.3db Motion #2

Move to 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 P802.3db draft to IEEE Standards Association ballot.

- M: James Young
- S: Mike Dudek
- Technical (>=75% of 802.3 voters)
- Motion passes by unanimous consent

WG Motion

Move that the IEEE 802.3 Working Group approve [IEEE 802d3 to T11-2 01122 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: Mabud Choudhury
- S: Robert Lingle Jr
- (Technical $\geq 75\%$)

.3db Motion #4 (January 19)

- Move that the IEEE P802.3db Task Force approve [IEEE 802d3 to T11-2 01122 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: Ray Nering
- Y: N: A:
- Technical ($\geq 75\%$ of 802.3 voters)
- Motion passes by unanimous consent