

# IEEE P802.3cn Task Force: 50 Gb/s, 200 Gb/s, and 400 Gb/s over Single-Mode Fiber

## Report

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# IEEE P802.3cn Task Force Project information

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## Task Force Organization

John D'Ambrosia, Chair, IEEE P802.3cn Task Force  
Editorial Team

- Pete Anslow – Chief Editor
- Peter Stassar – 40km Optical PHY Clauses

## Task force web and reflector information

- Reflector: <http://www.ieee802.org/3/cn/reflector.html>
- Home page: <http://www.ieee802.org/3/cn/index.html>

## Project Documentation –

- PAR : <https://development.standards.ieee.org/get-file/P802.3cn.pdf?t=99813600003>
- CSD: <https://mentor.ieee.org/802-ec/dcn/18/ec-18-0248-00-ACSD-p802-3cn.pdf>
- Objectives: [http://www.ieee802.org/3/cn/proj\\_doc/3cn\\_Objectives\\_190212.pdf](http://www.ieee802.org/3/cn/proj_doc/3cn_Objectives_190212.pdf)
- Timeline [http://www.ieee802.org/3/cn/proj\\_doc/timeline\\_3cn\\_190119.pdf](http://www.ieee802.org/3/cn/proj_doc/timeline_3cn_190119.pdf)

Ad Hoc page <http://www.ieee802.org/3/cn/public/adhoc/index.html>

Private Area <http://www.ieee802.org/3/cn/private/index.html>

# Activities Since July Plenary

- **IEEE-SA Initial Ballot, Draft 3.0**
  - Opened 19 July 2019
  - Closed 18 August 2019
  - 37 comments received
  
- **Interim Teleconference Meeting, 20 Aug 2019**
  - All received comments considered
  
- **IEEE-SA First Recirculation Ballot, Draft 3.1**
  - Opened 21 August 2019
  - Closed 5 September 2019
  - 2 comments received

	D 3.0		
Voters	88		
Approve	73	98.6%	≥ 75%
Disapprove	1		
Abstain	3	3.9%	< 30%
Returns	77	87.5%	≥ 75%

	D 3.1		
Voters	88		
Approve	77	98.7%	≥ 75%
Disapprove	1		
Abstain	4	4.9%	< 30%
Returns	82	93.2%	≥ 75%

# This Week's Accomplishments

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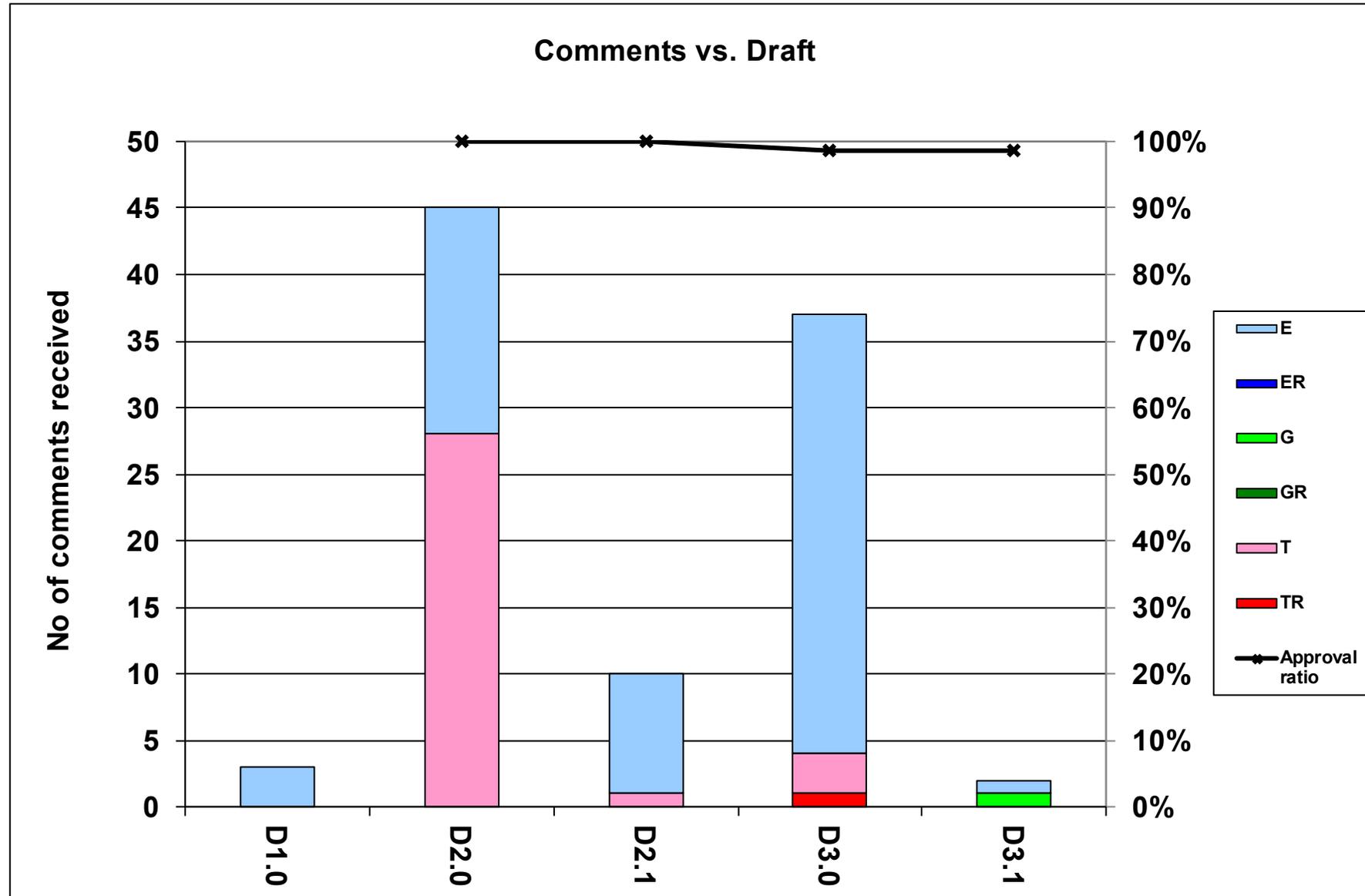
- Joint P802.3cn / P802.3ct Task Force Meeting - .3cn Related
  - Approved 8/20 Minutes
  - Considered 2 comments submitted against D3.1
  - Motion – Passed by voice vote without opposition
    - Move that the IEEE P802.3cn Task Force re-affirm the CSD responses in <https://mentor.ieee.org/802-ec/dcn/18/ec-18-0248-00-ACSD-p802-3cn.pdf> and request approval to progress the IEEE P802.3cn draft to RevCom.

# Comments Breakdown

<b>Draft 3.0</b>	Description	Clause(s)	TR	T	GR	G	ER	E	Total
	Front matter, Intro	00, 1, FM						2	2
	Management	30, 45		2				1	3
	Misc	78, 116, 131						2	2
	TDECQ related	121, 124, 138, 140	1					5	6
	ER PMDs	122, 139		1				23	24
	Total comments		1	3	0	0	0	33	37

<b>Draft 3.1</b>	Description	Clause(s)	TR	T	GR	G	ER	E	Total
	Front matter, Intro	00, 1, FM				1		1	2
	Management	30, 45							0
	Misc	78, 116, 131							0
	TDECQ related	121, 124, 138, 140							0
	ER PMDs	122, 139							0
	Total comments		0	0	0	1	0	1	2

# Comment history



# 1 Unsatisfied Comment Against D3.0 / D3.1

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CI 121      SC 121.8.5.1      P 33      L 18      # i-13

Rannow, R K      IEEE/SELF

*Comment Type*    **TR**      *Comment Status*    **R**

"Bessel-Thomson response" is used in multiple instances in the proposed standard.  
Data describing the response as measurements may be greatly influenced by SFDR and ENOB (> 2.3 dB)  
Could 2.3 dB impact the performance sufficiently?

*Suggested Remedy*

Suggest details on the measurement solution.

*Response*      *Response Status*    **U**

REJECT.  
The commenter has not demonstrated that there is an issue with the TDECQ definition or proposed a change to the draft that removes that issue. The changes being made to 121.8.5.1 follow the changes that were made to the TDECQ definition in the in-force amendment IEEE Std 802.3cd-2018 in 138.8.5 and 139.7.5.1.

# IEEE P802.3cn – Contingent Interim Teleconference

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## **24-Sept-2019, 10:00 to 12:00pm ET**

This interim and agenda is directed towards considering and responding to any public comments received during the 60-day public review of IEEE P802.3cn draft D3.0 that ends on 18th September 2019.

Please note that this interim teleconference is contingent and may be cancelled if no comments are submitted against the draft or resolution of the number of comments received against the draft would be expected to exceed the two hours allowed for the meeting.

## **Meeting Registration**

Registration for the meeting is required to properly size the teleconference. To register, please send an email to [John D'Ambrosia](#). Registration closes on Thursday, 19 September 2019.

# WG Motion #1

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Move that the IEEE 802.3 Working Group re-affirm the CSD responses in <https://mentor.ieee.org/802-ec/dcn/18/ec-18-0248-00-ACSD-p802-3cn.pdf> and request approval to submit the IEEE P802.3cn draft to RevCom.

- M: D'Ambrosia
- S: Anslow
- Technical ( $\geq 75\%$ )
- Results: Y          N:          A:
- Motion Passes

# Questions?

# Thank you!