

IEEE 802.3cu 100 Gb/s per lane optical PHYs Task Force

Closing Report

Mark Nowell, Cisco
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IEEE 802.3cu 100 Gb/s per lane optical PHYs Task Force

Project information

Task Force Organization

Mark Nowell, Cisco, Chair

Kenneth Jackson, Sumitomo Electric, Recording Secretary

Gary Nicholl, Cisco, Editor-in-Chief

Task Force web and reflector information

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

Home page: <http://www.ieee802.org/3/cu/index.html>

Project Documentation

PAR: http://www.ieee802.org/3/cu/P802_3cu_PAR.pdf

CSD: <https://mentor.ieee.org/802-ec/dcn/19/ec-19-0062-00-ACSD-p802-3cu.pdf>

Objectives: http://www.ieee802.org/3/cu/Objectives_Aproved_Sept_2019.pdf

Draft Timeline: http://www.ieee802.org/3/cu/public/July19/agenda_3cu_01_1119.pdf

P802.3cu Status & Progress this week

Status: P802.3cu Task Force met on 11/9, closed comment resolution on D3.1 and agreed to generate D3.2

D3.1 IEEE-SA Ballot 1st recirculation completed

- Review Period: Oct 15th – Oct 30th
- 20 Comments: ER/E/TR/T – 0/14/3/3
- Comments and final responses: <http://www.ieee802.org/3/cu/comments/index.html>

Two key Task Force motions:

Motion #3: Generate Draft 3.2 from Draft 3.1 and closed comments

Moved by Gary Nicholl, Seconded by David Lewis

Passes by voice with one vote of opposition

Motion #4: Move that the IEEE 802.3cu Task Force re-affirm the CSD responses in <https://mentor.ieee.org/802-ec/dcn/19/ec-19-0062-00-ACSD-p802-3cu.pdf> and request conditional approval to progress the IEEE P802.3cu draft to RevCom once the IEEE Standards Association ballot process has been successfully completed.

Moved by Mark Nowell, Seconded by Gary Nicholl

Passes by voice vote without opposition.

Current status: Draft 3.2 IEEE-SA Ballot recirculation underway (Nov 13th-Nov 28th)

Information required to support request for conditional approval to forward a draft standard

IEEE 802 LMSC Operations Manual Clause 12

Ballot close dates and results

	Initial Draft D3.0			1st recirculation Draft D3.1			Req
	#	%	Status	#	%	Status	
Abstain	3	3	PASS	3	3	PASS	< 30
Dis w/comment	3	-	-	1*	-	-	
Dis w/o comment	-	-	-	-	-	-	
Approve	78	96%	PASS	82	97	PASS	>= 75
Ballots Returned	84	81%	PASS	87	84	PASS	>= 75
Voters	103	-	-	103	-	-	
Comments	91	-	-	20	-	-	

July 13th – August 12th, 2020
91 Comments: ER/E/TR/T – 1/45/11/34

Review Period: Oct 15th – Oct 30th
20 Comments: ER/E/TR/T – 0/14/3/3

* Current status

Comments and final responses: <http://www.ieee802.org/3/cu/comments/index.html>

Unresolved negative comments

3 unsatisfied “TR” comments from 1 commenter

http://www.ieee802.org/3/cu/comments/8023cu_D30_D31_comment_unsatisfied_by_ID.pdf

The unsatisfied comments are associated with the one of the optical PMD clauses.

- CI 140: 100GBASE-FR1 and 100GBASE-LR1 SMF PMDs

With the increasing industry experience with 100 Gb/s per wavelength SMF specifications and product development, P802.3cu has adopted proposals to update or improve methodologies for specification (compared to 802.3bs and 802.3cd standards). These changes were rigorously tested for consensus before adopting. The unsatisfied negative comments are associated with comments not aligned with the consensus position that was achieved.

Topic	# Unsatisfied Comments	More information
Reinstatement of TDECQ-10logCeq parameter	3	This parameter was removed during WG ballot and was the subject of 4 unresolved comments then. Task Force consensus was again assessed and there was no consensus to make a change.

Future Schedule

D3.2 (recirculation is currently underway)

- Estimated recirculation ballot open date: 11/13
- Estimated recirculation ballot close date: 11/28
- Proposed interim meeting date: 12/2

D3.3 (if needed)

- Estimated recirculation ballot open date: 12/5
- Estimated recirculation ballot close date: 12/20
- Proposed interim meeting date: TBD (2nd week Jan) if needed

Motion

Move that the IEEE 802.3 Working Group re-affirm the CSD responses in <https://mentor.ieee.org/802-ec/dcn/19/ec-19-0062-00-ACSD-p802-3cu.pdf> and request conditional approval to progress the IEEE P802.3cu draft to to RevCom once the Sponsor ballot process has been successfully completed.

M: Mark Nowell

S: Gary Nicholl

Contingent meeting Announcement

When: Wed Dec 2nd at 7-8am PT

For details see:

IEEE 802.3 Calendar. <https://www.ieee802.org/3/calendar.html>

IEEE 802.3cu meetings page <https://www.ieee802.org/3/cu/public/index.html>

**** note that this meeting may be cancelled if no comments received against the D3.2 recirculation that is currently underway ****

Questions?

Thank you!

Unresolved negative comments (more detail)

Draft	Comment ID	Type	Clause	Subclause	Page	Line	Suggested Remedy	Response	Rationale
3.0	I-64	TR	140	140.6.1	41	51	Limit TDECQ-10log10(Ceq) and TECQ-10log10(Ceq) for -FR1 and -LR1 to 3.4 dB. Limit SECQ-10log10(Ceq) to 3.4 dB.	Reject	The comment is proposing values for parameters for that are not in Draft D3.0 being previously removed in WG ballot. No consensus to make the proposed change.
3.0	I-65	TR	140	140.6.1	42	7	Limit TECQ-10log10(Ceq) for -FR1 to 3.4 dB for interop with -DR.	Reject	The comment is proposing values for parameters for that are not in Draft D3.0 being previously removed in WG ballot. No consensus to make the proposed change.
3.1	R1-12	TR	140	140.10a.1	59	12	Limit TECQ-10log10(Ceq) for -FR1 to 3.4 dB for interop with -DR.	Reject	Substantively similar comment as I-65.