IEEE P802.3cx Improved PTP Timestamping Accuracy Task Force Closing Report

Steve Gorshe (Chair)

Microchip Technology

IEEE 802.3 Teleconference

November 2022

IEEE P802.3cx Improved PTP Timestamping Accuracy Project information

Task Force Organization

Steve Gorshe, IEEE P802.3cx Task Force Chair

Silvana Rodrigues, IEEE P802.3cx Task Force Secretary

Marek Hajduczenia, IEEE P802.3cx Task Force Chief Editor

Task force web and reflector information

Reflector information: http://www.ieee802.org/3/cx/reflector.html

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

PAR: https://www.ieee802.org/3/cx/P802d3cx.pdf

[*CSD*|*5C*]: https://mentor.ieee.org/802-ec/dcn/19/ec-19-0220-01-ACSD-p802-3cx.pdf

Objectives: https://www.ieee802.org/3/cx/P802_3cx_Objectives_revised.pdf

Timeline: https://www.ieee802.org/3/cx/P802d3cx_timeline_updated_1-2022.pdf

Private Area: http://www.ieee802.org/3/cx/private/index.html

IEEE P802.3cx Improved PTP Timestamping Accuracy TF November 2022 Meeting Results

All D3.1 comments reviewed, with provisional agreements on the resolutions

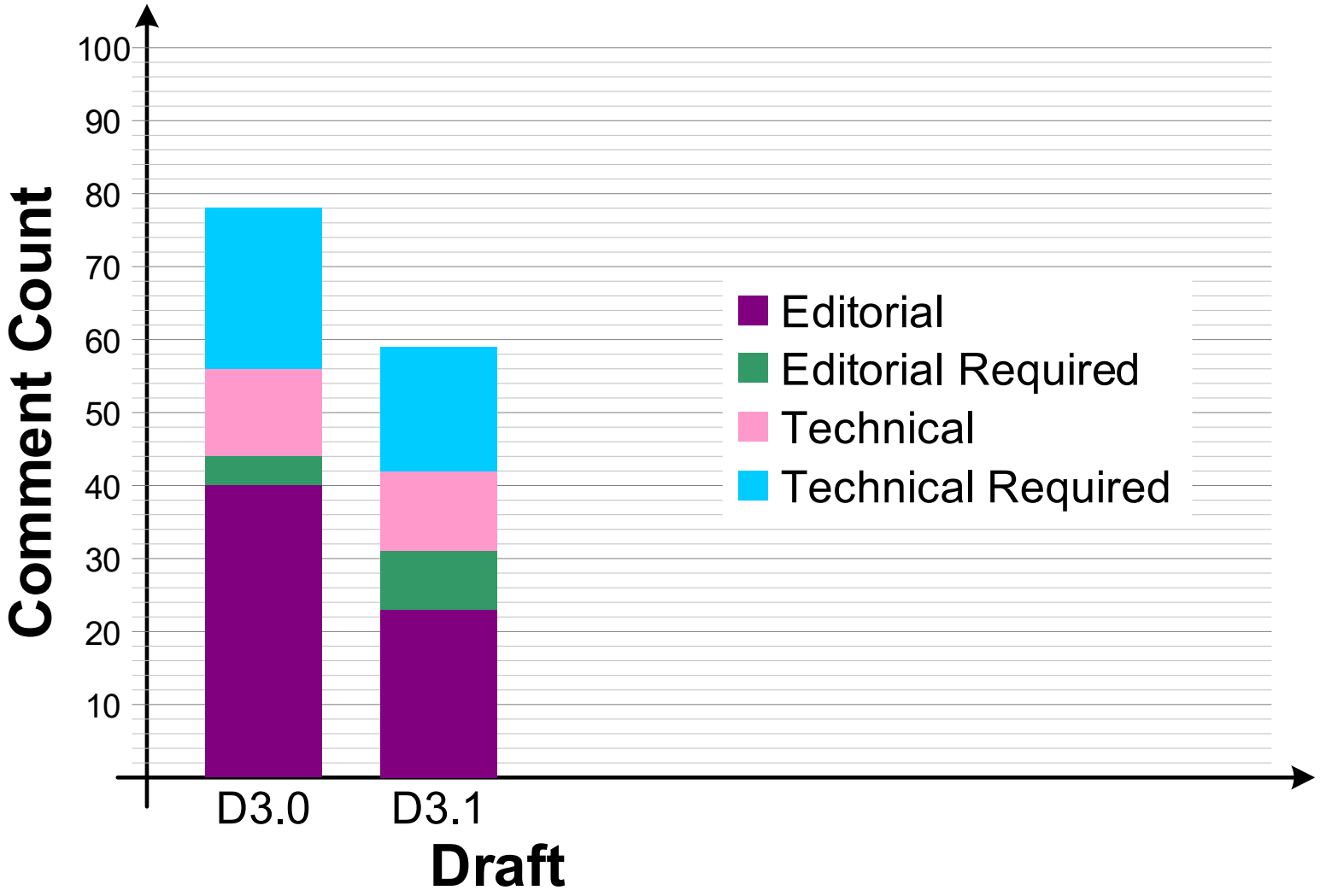
- Pending commenter verification after seeing the draft Accept In Principle edits

Task Force motions pass to:

- Proceed to the D3.2 recirculation based on the D3.1 comment resolutions

- Request IEEE 802.3 Working Group approval to proceed to RevCom once the IEEE Standards Association ballot process has been successfully completed

IEEE P802.3cx Improved PTP Timestamping Accuracy SA ballot status summary



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Date the ballot closed

The Standards Association recirculation ballot on IEEE P802.3cx draft D3.1 closed on 9 November 2022 at 23:59 UTC-12

Vote tally

	Initial Draft D3.0			1st Recirc. Draft D3.1			2nd Recirc. Draft D3.2			3rd Recirc. Draft D3.3			Req %
	#	%	Status	#	%	Status	#	%	Status	#	%	Status	
Abstain	1	1	PASS	2	2	PASS			PASS			PASS	< 30
Dis with comment	4	-	-	6	-	-			-			-	-
Dis w/o comment	0	-	-	0	-	-			-			-	-
Approve	73	94	PASS	76	92	PASS			PASS			PASS	≥ 75
Ballots returned	78	75	PASS	84	81	PASS			PASS			PASS	>50
Voters	103	-	-	103	-	-			-			-	-
Comments	78	-	-	59	-	-			-			-	-

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Comments that support the remaining disapprove votes and responses

- All listed comments are against D3.0 and received no commenter sign off to date (status: unknown) and are treated as unsatisfied
  - See <https://mentor.ieee.org/802-ec/dcn/22/ec-22-0243-00-00EC-ieee-p802-3cx-unsatisfied-comments.pdf>
- Summary:
  - I-74: AIP, changed Figure 90-2 to move TX_NUM_BIT_CHANGE/RX_NUM_BIT_CHANGE out of scope of xMII
  - I-78: AIP, rewording to emphasize optional character of TX_NUM_BIT_CHANGE/RX_NUM_BIT_CHANGE signals
  - I-79: AIP, rewording from “high accuracy” to “higher accuracy”
  - I-90: AIP, changed "mean PCS transmit data delay" to "mean PHY transmit data delay“, as suggested by commenter

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Schedule

2nd SA recirculation ballot day one	23 November 2022
2nd SA recirculation ballot close	7 December 2022
IEEE P802.3cx comment resolution meeting	12 December 2022
3rd SA recirculation ballot day one	15 December 2022
3rd SA recirculation ballot close	3(?) January 2023
IEEE P802.3cx comment resolution meeting	17 January 2023

Note: 3rd SA recirculation ballot only if required

Motion #5

Current IEEE Voter List: https://www.ieee802.org/3/minutes/nov22/1122_voters.pdf

Motion: To bring the following motion to IEEE 802.3:
"Move that the IEEE 802.3 Working Group re-affirm the CSD responses in https://mentor.ieee.org/802-ec/dcn/19/ec-19-0220-01-ACSD-p802-3cx.pdf
and request conditional approval to progress IEEE P802.3cx draft to RevCom once the IEEE Standards Association ballot process has been successfully completed."

Requires >75% (Technical)

Moved:

Seconded:

Results:

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Current IEEE Voter List: https://www.ieee802.org/3/minutes/nov22/1122_voters.pdf

Motion: Move that the IEEE 802.3 Working Group re-affirm the CSD responses in https://mentor.ieee.org/802-ec/dcn/19/ec-19-0220-01-ACSD-p802-3cx.pdf

and request conditional approval to progress IEEE P802.3cx draft to RevCom once the IEEE Standards Association ballot process has been successfully completed."

Requires >75% (Technical)

Moved: Steve Gorshe

Seconded:

Results:

Questions?

Thank you!

IEEE P802.3cx Improved PTP Timestamping Accuracy Adopted timeline