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

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IEEE 802.3 Teleconference
July 14, 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: http://www.ieee802.org/3/cx/P802d3cx timeline updated 7-2022.pdf

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

IEEE P802.3cx Improved PTP Timestamping Accuracy Activities during the July 2022 plenary

Big ticket items

- Resolved comments from the D2.5.1 recirculation ballot
- Approved requesting unconditional approval to move to SA ballot
- Approved new Liaison from ITU-T Q13/15, with D3.0 attached
- Approved updated timeline

IEEE P802.3cx Improved PTP timestamping accuracy to Standards Association ballot (Unconditional)

Date the ballot closed

The fifth Working Group recirculation ballot on IEEE P802.3cx draft D2.5.1 closed on 1st July 2022 at 23:59 UTC-12

Vote tally	Initial Draft D2.0			1 st Recirc. Draft D2.1			2 nd Recirc. Draft D2.2			3 rd Recirc. Draft D2.3			4 th Recirc. Draft D2.4			5 th Recirc. Draft D2.5.1			Req
	#	%	Status	#	%	Status	#	%	Status	#	%	Status	#	%	Status	#	%	Status	%
Abstain	22	16	PASS	24	15	PASS	26	16	PASS	26	16	PASS	32	19	PASS	31	18	PASS	< 30
Dis with comment	8	_	-	5	-	-	3	-	-	3	-	-	3	-	-	3	-	-	-
Dis w/o comment	0	-	-	0	-	-	0	-	-	0	1	-	0	-	-	0	1	-	-
Approve	105	92	PASS	125	96	PASS	132	97	PASS	135	97	PASS	135	97	PASS	139	98	PASS	≥ 75
Ballots returned	135	60	PASS	154	68	PASS	161	71	PASS	165	73	PASS	170	75	PASS	173	77	PASS	>50
Voters	225	-	-	225	ı	-	225	-	-	225	-	-	225	-	-	225	-	-	-
Comments	143	-	-	181	_	-	44	-	-	93	-	-	18	-	-	1	_	-	-

IEEE P802.3cx Improved PTP timestamping accuracy to Standards Association ballot (Unconditional)

Comments that support the remaining disapprove votes and responses

5 unsatisfied TR comments from 2 disapprove voters

See < https://mentor.ieee.org/802-ec/dcn/22/ec-22-0063-01-00EC-ieee-p802-3cx-unresolved-comments.pdf >

Summary:

#179: Make TX_num_unit_change definition more explicit. Rejected based on consensus to keep definition as generic as possible to avoid the need for future revisions.

#167: TS_SFD_Detect_TX function definition changes were proposed, but unsatisfactory to commenter.

#170: New feature request: Add a method (e.g, via Link Layer Discovery Protocol) to pass the state of the Message TimeStamp Point (register 3.1813.13) to the far end. No consensus to work on such feature, no technical proposal made.

#175: Add a note talking about how a Physical Coding Sublayer (PCS) separated by an Extender Sublayer (XS) from the Reconciliation Sublayer (RS) needs to not modify the Alignment Marker/Codeword Marker (CWM) locations or do any rate compensation to minimize any time accuracy error. No specific text was provided at the time.

#235: Updates to informative table in Annex 90A were made per consensus, but unsatisfactory to commenter.

Clause 12 'Procedure for conditional approval to forward a draft standard' of IEEE 802 LMSC Operations Manual includes the text 'Where a voter has accepted some comment resolutions and rejected others, only the comments of which the voter has not accepted resolution should be presented.'.

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Motion:

Move that the IEEE 802.3 Working Group re-affirm the CSD responses in URL_here https://mentor.ieee.org/802-ec/dcn/19/ec-19-0220-01-ACSD-p802-3cx.pdf and request approval to progress the IEEE P802.3cx draft to IEEE Standards Association ballot

M: xx S: xx

Y: ??, N: ??, A: ??

Working Group vote

Y: TBD, N: TBD, A: TBD

Outgoing Laison Request

Current IEEE Voter List: https://ieee802.org/3/minutes/jul22/0722 voters.pdf

Motion: Move that the IEEE 802.3 Working Group approve IEEE_802d3_to_ITU-T_SG15_Q13_0711_draft _P802d3cx.pdf with editorial license granted to the Chair (or his appointed agent) as liaison communication from the IEEE 802.3 Working Group to ITU-T SG15 Q13 with , with draft D3.0 attached.

Requires >75% (Technical)

Moved:

Seconded:

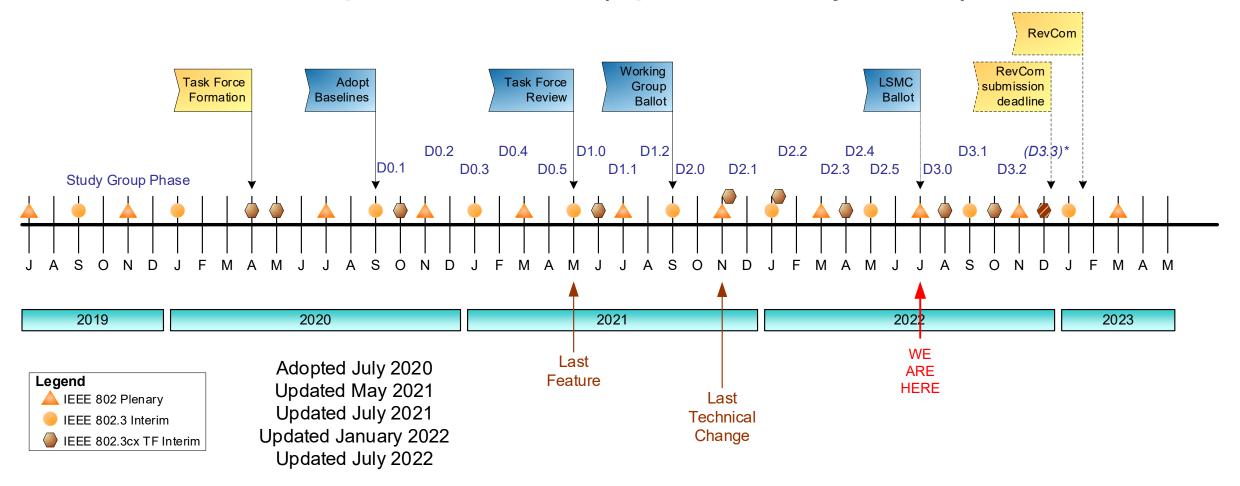
Results:

Y: N: A:

Questions?

Thank you!

IEEE P802.3cx Improved PTP Timestamping Accuracy Adopted timeline (updated July 2022)



^{*} If a D3.3 recirculation is required

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

