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

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IEEE 802.3 Teleconference

March 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 Meeting week plan

Goals for the plenary session meeting(s)

- Comment resolution for the D2.2 recirculation ballot
- Approve recirculation ballot with D2.3
  - Consider requesting approval to move to SA ballot if all comments through D2.3 are resolved
- Approve response to Liaison from ITU-T Q13/15

Big ticket items

- Comment resolution for the D2.2 recirculation ballot
- Approve recirculation ballot with D2.3
- Approve response to Liaison from ITU-T Q13/15

Future

- Continue WG recirculation ballots and comment resolution, with move to SA ballot when WG ballot comment resolution completes.

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

Date the ballot closed

The second Working Group recirculation ballot on IEEE P802.3cx draft D2.2 closed on 19 February 2022 at 23:59 UTC-12

Vote tally

	Initial Draft D2.0			1st Recirculation Draft D2.1			2nd Recirculation Draft D2.2			Req %
	#	%	Status	#	%	Status	#	%	Status	
Abstain	22	16	PASS	24	15	PASS	26	16	PASS	< 30
Dis with comment	8	-	-	5	-	-	3	-	-	-
Dis w/o comment	0	-	-	0	-	-	0	-	-	-
Approve	105	92	PASS	125	96	PASS	132	97	PASS	≥ 75
Ballots returned	135	60	PASS	154	68	PASS	161	71	PASS	>50
Voters	225	-	-	225	-	-	225	-	-	-
Comments	143	-	-	181	-	-	44	-	-	-

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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.

#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.

#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.

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.'.

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

Schedule

3rd Working Group recirculation ballot (underway) day one	25 March 2022
3rd Working Group recirculation ballot close	1 April 2022
IEEE P802.3cx comment resolution meeting	20 April 2022
4th Working Group recirculation ballot day one	29 April 2022
4th Working Group recirculation ballot close	13 May 2022
IEEE P802.3cx comment resolution meeting	25 June 2022

Note: 4th Working Group recirculation ballot only if required

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

Motion:

Conditionally approve sending IEEE P802.3cx Improved PTP timestamping accuracy to Standards Association ballot

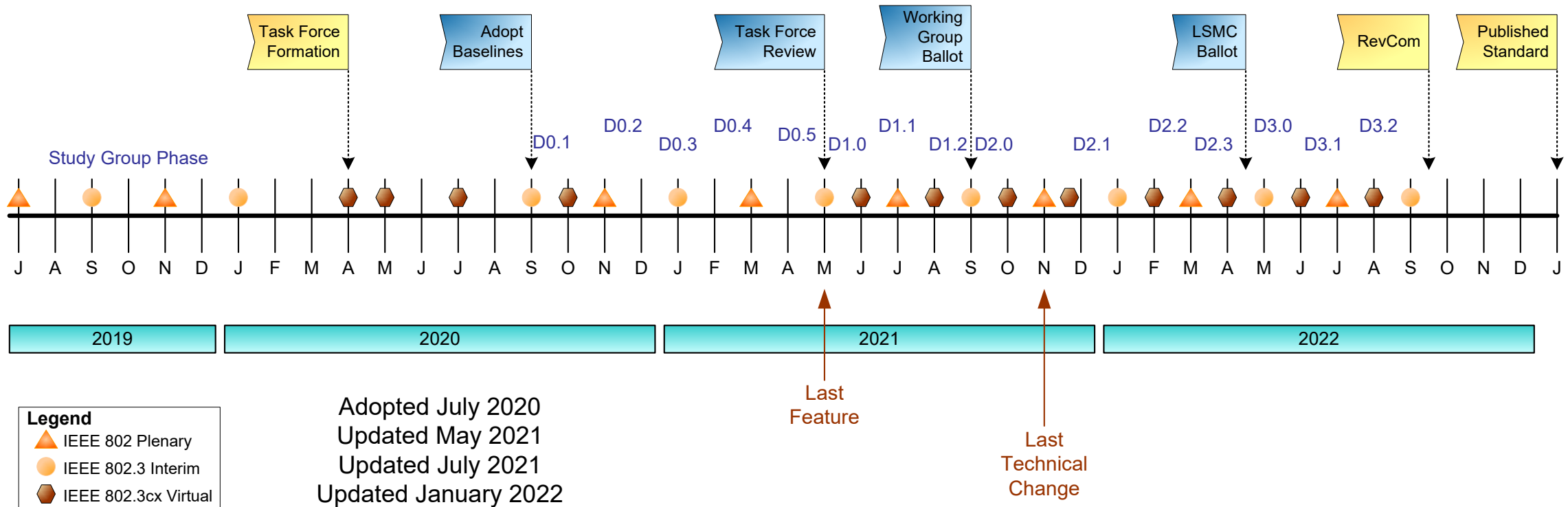Confirm the CSD for IEEE P802.3cx in <https://mentor.ieee.org/802-ec/dcn/19/ec-19-0220-01-ACSD-p802-3cx.pdf>

M: S:

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

Questions?

Thank you!

IEEE P802.3cx Improved PTP Timestamping Accuracy Adopted timeline

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