802.3 PAR ad hoc report

IEEE 802.3 ad hoc on PARs from other WGs

Robert M. Grow, ad hoc chair
RMG Consulting

For July Montreal Hybrid Plenary

26 June 2022, updated 13 July 2022

Agenda and notes (28 June 2022)

- Agenda
  - Welcome
  - PAR review
- Note:
  - Comments reflect a consensus of ad hoc meeting attendees.
  - Ad Hoc Chair tasked to post comments to EC reflector prior to deadline.
  - Ad Hoc Chair tasked to report on responses from other WGs during 802.3 plenary.

Draft P802.15.4

Revision: Low Rate Wireless Networks

PAR: https://mentor.ieee.org/802.15/dcn/22/15-22-0259-03-0mag-802-15-4-revision-d

- No comments.

Draft P802.1Qdv (1)

Amendment: Enhancements to Cyclic Queuing and Forwarding

PAR: https://www.ieee802.org/1/files/public/docs2022/dv-draft-PAR-0522-v01.pdf

- No comments.

Draft P802.1Qdv (2)

CSD: https://www.ieee802.org/1/files/public/docs2022/dv-draft-CSD-0522-v01.pdf

- General — The answers are extremely generic, terse, and with little substance for non 802.1 participants (other WGs).

➢ Response –

a) Broad sets of applicability.

(old) The features of this standard broaden the applicability of Time- Sensitive Networking (TSN) to networks with simpler bridges than are possible with the existing, deployed TSN features, and to service provider networks, a large market so far untapped by TSN.

(new) This standard broadens the applicability of Cyclic Queuing and Forwarding, a Time-Sensitive Networking (TSN) feature, to networks with a wider mixture of Stream characteristics, long physical links, faster transmission cycles, and variable processing delays. This opens the use of CQF and TSN to service provider networks, a large market so far untapped by TSN.

Draft P802.1Qdv (3)

b) Multiple vendors and numerous users.

(old) The interest expressed by vendors and users in IEEE 802.1 indicates that sufficient interest will exist outside IEEE 802.1 for this standard to succeed.

(new)The interest expressed by vendors and users in IEEE 802.1 by the initiation of IEEE P802.1DF, TSN Profile for Service Provider Networks, indicates that sufficient interest will exist for this standard to succeed.

Draft P802.1Qdw

Amendment: Source Flow Control

PAR: https://www.ieee802.org/1/files/public/docs2022/dw-draft-PAR-0522-v01.pdf

- 5.5 — Grammar problem (typo): “packet loss from to congestion”. Delete “to”.

➢ Response – Accept

CSD: https://www.ieee802.org/1/files/public/docs2022/dw-draft-CSD-0522-v01.pdf

- No comments.

Draft P60802 (1)

Amendment Modification: Time-Sensitive Networking Profile for Industrial Automation

PAR: https://www.ieee802.org/1/files/public/docs2022/60802-draft-PAR-modification-0522-v01.pdf

- No comment.

Draft P60802 (2)

CSD: https://www.ieee802.org/1/files/public/docs2022/60802-draft-CSD-modification-0522-v01.pdf

- General — There is no indication if any of the CSD is modified. We assume there are no changes and thus, no comments.

➢ Response – Please note that the 60802 CSD was modified. Track changes are in this file: https://www.ieee802.org/1/files/public/docs2022/60802-draft-CSD-modification-trk-0522-v01.pdf

Draft P60802

Amendment Extension: Time-Sensitive Networking Profile for Industrial Automation

PAR: https://www.ieee802.org/1/files/public/docs2022/60802-draft-PAR-extension-0522-v01.pdf

- No comments.

Draft P802.1CQ

Amendment Extension: Multicast and Local Address Assignment

PAR : https://www.ieee802.org/1/files/public/docs2022/cq-draft-PAR-extension-0522-v01.pdf

- No comments.

Draft P802.1DC

Amendment Extension: Multicast and Local Address Assignment

PAR : https://www.ieee802.org/1/files/public/docs2022/dc-draft-PAR-extension-0522-v01.pdf

- No comments.

Draft P802.1Qcz

PAR Extension: Quality of Service Provision by Network Systems

PAR : https://www.ieee802.org/1/files/public/docs2022/cz-draft-PAR-extension-0522-v01.pdf

- No comments.

Draft P802.1Qdd

PAR Extension: Resource Allocation Protocol

PAR : https://www.ieee802.org/1/files/public/docs2022/dd-draft-PAR-extension-0522-v01.pdf

- No comments.
- 4. — Thanks for the honesty. The dates clearly imply that another extension will be required in a couple years. What is less clear is that Std 802.1Q will probably be in revision again in 2025. We note that a number of the extensions above are justified by the desire to update references to Std 802.1Q-2022. The project folk need to consider that their schedule may conflict with the next revision of 802.1Q. No changes requested.

➢ Response – Thank you for the comment.