

# IEEE P802.1Qdv PAR/CSD comments

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Responses.

# Draft P802.1Qdv Comments from 802.3

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**Amendment:** Enhancements to Cyclic Queuing and Forwarding

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

- No comments.

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).
- 1.2.1,a — This answer addressing TSN does not seem to correlate to the Need statement in the PAR. In fact there is no mention of TSN in the PAR.

# Response 1

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- 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.

# Response 2

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- 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 P802.1Qdv Comments from 802.11

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- 1.2.4 b) Suggest change “bound” with “limits” and delete “, on ether side,” which does not help the sentence clarity.

# Response 3

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- b) Proven similar technology via testing, modeling, simulation, etc.
- (old) The existing Asynchronous Traffic Shaping and Cyclic Queuing and Forwarding provisions of IEEE Std 802.1Q **bound, on either side**, the complexity of this standard. Both are deployed, indicating the feasibility of this standard.
  - (new) The existing Asynchronous Traffic Shaping and Cyclic Queuing and Forwarding provisions of IEEE Std 802.1Q **provide upper and lower limits on the complexity of this standard. Both are deployed, indicating the feasibility of this standard.**