P802.1Qek

IEEE Standard for Local and Metropolitan Area Networks - Bridges and Bridged Networks – Amendment:

Additions for Robustness in Engineered Networks

Resolution of Comments on

Project Authorization Request (PAR) and Criteria for Standards Development (CSD)

2026-11-11

802.3 comments on the PAR and their resolution

- **Comment**:
  5.6 – the stakeholders statement seems to be a mash-up of different things, not sure whether “e.g., in the aerospace industry” is intended to mean, but if you expand e.g., to “for example”, it doesn’t read sensibly. The CSDs give some hint that the environments to consider this amendment are substantially broader.
- **Suggest** – “Manufacturers, distributors, vendors, and users of Virtual local area network bridging equipment and components thereof. Relevant environments include but are not limited to aerospace, automotive, and industrial automation applications.

- Response:
  The suggested change has been made and the term “Virtual local area network” has been deleted to address a comment from the 802.11 WG.

802.3 comments on the PAR and their resolution

- **Comment**:
  5.6 – Given that 1.2.1 (f) of the CSDs mention that this is driven by a need for certification, shouldn't certification bodies and test equipment manufacturers be included in the stakeholder list?
- **Suggest –** consider adding 'test and certification labs to "Manufacturers, distributors, vendors, and users.." to read "Manufacturers, distributors, vendors, test equipment vendors, certifiers, and users…"

- Response:
  The term "certifiers" has been added. "test equipment vendors" are covered by the term "vendors", which is already there in 5.6.

802.3 comments on the PAR and their resolution

- **Comment**:
  8.1 – it appears the reference to #5.5 (which is the need for the project and references no standards) should be a reference to 5.3, which explains that the project relies on the revision of the base standard, without naming it.
- **Suggest** – change 5.5 to 5.3.

- Response:
  The suggested change has been made.

802.3 comments on the CSD and their resolution

- **Comment**:
  1.2.1 – (g) is not a sentence, and is either a fragment of the thought, and should provide some evidence of industry interest/involvement.
- **Suggest** – append something to the existing fragment indicating a level of industry interest and involvement – otherwise it seems this fails the CSD… (e.g., “Individuals from N vendors of networking equipment for aerospace applications participated in, and indicated interest in the project during the study group phase…”)

- Response:
  Item g) has been replaced with: “The proposed amendment is applicable to multiple vendors and users of aerospace, ground vehicles, automotive, industrial automation, and other application areas.”

802.11 comments on the PAR and their resolution

- Comment:
  5.6: Change “Virtual local area network” to “VLAN”
- Response:
  The term “Virtual local area network” has been deleted.

- 5.6: Why does this amendment only apply to VLAN bridging, and not general LAN bridging?
- Response:
  The term “Virtual local area network” has been deleted to reflect the applicability of the proposed amendment to bridges in general.

- 8.1: “#5.5: IEEE Std 802.1Q IEEE Standard for Local and Metropolitan Area Networks – Bridges and Bridged Networks” can be removed, as it’s not cited.
- Response:
  The intention is to refer to #5.3; thus, “#5.5” has been replaced with “#5.3”.

802.11 comments on the CSD and their resolution

No comments

802.15 comments on the PAR and their resolution

No comments

802.15 comments on the CSD and their resolution

No comments

Comments on Service Data Unit Size filtering

- Comment:
  - The PAR refers to:
    - minimum service data unit filtering
  - The CSD refers to:
    - minimum service data unit (MinSDU) filtering
    - maximum service data unit (MaxSDU) filtering
    - MinSDU size filtering
    - MaxSDU filtering
  - This terminology is imprecise. “Service data unit” is ambiguous; I suppose this is referring to MSDUs. Only one of these instances includes the key word “size,” but I suspect both minimum and maximum refer to the length. In IEEE Std 802, the word “length”, rather than “size”, is used to describe the frame extent.
- Suggested remedy
  - Change "minimum service data unit” and “MinSDU" to "minimum frame length”. Change "maximum service data unit” and “MaxSDU" to "maximum frame length”, respectively, throughout; except change "MinSDU size” to "minimum frame length
- Response
  - Maximum Service Data Unit Size Filtering is already defined in 8.6.5.3.1 in the base standard: IEEE Std 802.1Q-2022.
  - The proposed amendment would specify an analogous Minimum Service Data Unit Size Filtering.
  - The term “size” has been added to the locations it has been missing in 5.2.b and 5.2 in the PAR, and in 1.2.4 and 1.2.4 in the CSD
  - In addition, the acronyms have be spelled out at each location.