

Comments on P802.3dv PAR & CSD

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From IEEE 802.1

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- These comments are on the PAR and CSD found in:
 - <https://mentor.ieee.org/802-lmsc/dcn/26/lmsc-26-0120-00-LMSC-ieee-p802-3dv-draft-par.pdf>
 - <https://mentor.ieee.org/802-lmsc/dcn/26/lmsc-26-0121-00-LMSC-ieee-p802-3dv-draft-csd.pdf>

PAR

- 5.2.b Scope
 - Concerns include:
 - Future tense.
 - An amendment by default adds to the base standard and can modify existing content.
 - Suggest changing “This project is to specify additions to, and appropriate modifications of, IEEE Std 802.3 to add” to “This amendment adds to, and appropriately modifies, Physical”.
 - Add a period at the end of the scope.
- 5.5 Need for the project
 - Suggest breaking apart the (AI/ML) to (AI) after Artificial Intelligence. The (ML) acronym is not used, so is not currently needed.
 - Inconsistent terminology: The first sentence is targeted against deployments, second against use cases, third against these markets. Deployments and use cases are not markets.
 - Suggest changing “use cases” to “deployments” in the second sentence.
 - Suggest changing “markets” to “both deployments” in the third sentence.

CSD

- Broad Market Potential Slide 4.
 - Suggest breaking apart the (AI/ML) to (AI) after Artificial Intelligence. The (ML) acronym is not used, so is not currently needed.
 - Add hyphens between high-radix and high-bandwidth to keep consistent with the PAR.
- Compatibility Slide 5.
 - Suggest changing bullet point 1 to: a) Yes.
 - Align the other bullet points with the b) c) d) or equivalent nomenclature.
- Distinct Identity Slide 6.
 - Align phrasing with the PAR:
 - After “defining” suggest changing the text to read: “400 Gb/s, 800 Gb/s and 1.6 Tb/s using 400 Gb/s/lane signaling for electrical interconnects and single-mode fiber optical interconnects with reaches up to 500 meters”.
- Technical Feasibility Slide 7.
 - Bullet point 3: project should be amendment.