IEEE 802.3 100 Gb/s Wavelengths Short Reach PHYs Study Group
PAR and CSD Comment Report

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Interim Teleconference

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PAR

No comments received

IEEE 802.11 CSD Comment

https://mentor.ieee.org/802.11/dcn/20/11-20-0264-03-0PAR-par-review-sc-meeting-agenda-and-comment-slides-march-2020-atlanta.pptx

- Technical Feasibility: “IEEE 802.3 has already established 100 Gb/s, 200 Gb/s, and 400 Gb/s MAC specifications suitable for 100 Gb/s per wavelength PHY operation in IEEE Std 802.3bs-2017 and IEEE Std 802.3cd-2018.”
- And Economic Feasibility “Higher speed 100 Gb/s signaling leads to reduced lane counts, reduced fiber and component counts, reduced complexity, and lower cost than previously standardized PMDs based on 50 Gb/s signaling”
- One points out that it is already done, and one points out that it is being developed.
- Is there a consistency issue?

Proposed Response to IEEE 802.11 CSD Comment

Proposed: Accept in Principle

We do not believe there is a consistency problem. The first bullet under Technical Feasibility is intended to indicate that the requisite MAC protocols for 100, 200, and 400 Gb/s have already been defined. This project will define additional 100 Gb/s PHYs to operate with the existing MAC specifications. However, in order to clarify this, we are modifying the fourth bullet under Economic Feasibility as shown below, to highlight the work yet to be done.

Economic Feasibility

"Higher speed 100 Gb/s signaling over MMF will leads to reduced lane counts, reduced fiber and component counts, reduced complexity, and lower cost than previously standardized PMDs based on 50 Gb/s signaling."

This proposed resolution has been reviewed with the commenter.

IEEE 802 External PAR and CSD Comments

Move that the IEEE 802.3 100 Gb/s Wavelengths Short Reach PHYs Study Group approve the responses to external 802 PAR and CSD comments in PAR_CSD_comment_report_100GSR_01_052020.pdf

M:

S:

Y: N: A: (Technical ≥75%)

Questions?

Thank you!