Summary of Comments Received Against P802.3ds Project Documentation and Proposed Responses

IEEE 802.3 200 Gb/s per Wavelength MMF PHYs Study Group

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PAR and CSD Comments from 802.11

P802.3ds - Amendment - 200 Gb/s per Wavelength Multimode Fibre (MMF) PHYs, PAR and CSD

PAR – 5.5 suggest change

"per lane short reach " to "per lane short reach (< = 100 m)"

CSD – No Comment

PAR 5.5 from 802.11

PAR – 5.5 suggest change

“per lane short reach “ to “per lane short reach (< = 100 m)”

- Proposed response: Accept in principle
- Proposed change: from “per lane short reach” to “per lane short reach (≤ 50 m or ≤ 100 m)

PAR and CSD Comments from 802.15 SCM

PAR and CSD Review by 802.15 SCM

802.3 PARs and CSDs

P802.3ds - Amendment - 200 Gb/s per Wavelength Multimode Fibre (MMF) PHYs, PAR and CSD

- Comment on 5.5 Need for the Project: This project is necessary to provide solutions to meet the growing bandwidth needs for 200 Gb/s signaling per lane **short reach** optical links for Artificial Intelligence (AI) back-end compute clusters and for front-end/traditional Ethernet networks.
- **What distance is short reach?**

P802.3dt - Amendment - Ethernet Metadata Services, PAR and CSD

- No comments

802.3du - Revision - Standard for Ethernet (Revision), PAR

- No comments

PAR 5.5 from 802.15 SCM

- Comment on 5.5 Need for the Project: This project is necessary to provide solutions to meet the growing bandwidth needs for 200 Gb/s signaling per lane **short reach** optical links for Artificial Intelligence (AI) back-end compute clusters and for front-end/traditional Ethernet networks.
- **What distance is short reach?**

- Proposed response: ≤ 50 m or ≤ 100 m
- Proposed change: from “per lane short reach” to “per lane short reach (≤ 50 m or ≤ 100 m)

Comments on PAR & CSD From IEEE 802.1

PAR

- None

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Comments on PAR & CSD From IEEE 802.1

CSD

- Page 4
  - Final Bullet point under Multiple vendors and numerous users: Suggest changing “representatives” to “participants”
- Page 5
  - The relationship between the per-lane data rate (200Gb/s and above per lane in 5.2.b of the PAR) and the data rates of 200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s per the compatibility statement of the CSD should be clarified.
  - Insert "MAC data rate" to align with PAR.
  - Please spell out MAC on first use.
- Page 7
  - Please spell out PMD & PHY on first use.

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CSD Page 4, Broad Market Potential, from 802.1

- Page 4
  - Final Bullet point under Multiple vendors and numerous users: Suggest changing “representatives” to “participants”

- Proposed response: Accept
- Proposed change: from “including representatives from end-users” to “including participants from end-users”

CSD Page 5, Compatibility, from 802.1

- Page 5
  - The relationship between the per-lane data rate (200Gb/s and above per lane in 5.2.b of the PAR) and the data rates of 200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s per the compatibility statement of the CSD should be clarified.
  - Insert "MAC data rate" to align with PAR.
  - Please spell out MAC on first use.
- Proposed response: Accept
- Proposed change: from “defined for 200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s operation” to “defined for Media Access Control (MAC) data rates of 200 Gb/s and greater using 200 Gb/s signaling per lane operation”

CSD Page 7, Technical Feasibility, from 802.1

- Page 7
  - Please spell out PMD & PHY on first use.
- Proposed response: Accept
- Proposed change: from “per lane operation” to “per lane Physical Layer (PHY) operation”
- Proposed change: from “different PMD types” to “different Physical Medium Dependent (PMD) types”

Thank You!