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

IEEE 802.3 Beyond 400 Gb/s Ethernet Study Group
IEEE 802 Nov 2021 Electronic Plenary Meeting

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Introduction

- **For IEEE 802 Nov 2021 Plenary**
  - 10 Nov (AoE) – Comments deadline against PARs
  - 16 Nov (10am to noon, ET) – B400G Study Group Plenary Meeting
  - 17 Nov (AoE) – Response to submitted comments due
  - 18 Nov 802.3 WG Meeting – Project Documentation Approval
  - 19 Nov 802 EC – Project Documentation Approval

- **This presentation summarizes the comments received against P802.3df project documentation and proposes responses.**

- **Two Comments Received (detailed on next pages)**
  - 802.11
  - Jon Rosdahl

Comment from 802.11

- **Comment**
  - **PAR**
    - **5.2b – Change ";" to ," (This is a simple list of 3 items and a comma should be ok. -- Use a semicolon to join two related independent clauses in place of a comma and a coordinating conjunction (and, but, or, nor, for, so, yet). Make sure when you use the semicolon that the connection between the two independent clauses is clear without the coordinating conjunction.)**
  - **CSD: No Comments**
- **Proposed Response**
  - **Accept. In 5.2.b change " ; " to " , "**

Comment from Jon Rosdahl

- **Comment**
  - **PAR**

    If 5.2a, you define MAC and PHY acronyms, so in 5.2b you could use MAC and PHY rather then spell them out... Also I note that you do repeat the MAC definition, but did not for the PHY (physical Layer). Also not sure why the semicolon, (I note that I am not expert on the use.)

    What is in 5.2b:
    "Define Ethernet Media Access Control (MAC) parameters, physical layer specifications; and management parameters"
    Suggest:
    "5.2b: Define Ethernet MAC and PHY layer specifications and management parameters....."

  - **CSD – No comments**

- **Proposed Response**
  - **Accept in principle.**
    - It is correct that the MAC acronym is spelled out, but the use of "physical layer" in 5.2b is referring to the physical layer of the ISO/IEC Open Systems Interconnection (OSI) reference model. In IEEE Std 802.3™-2018, a PHY is the portion of the Physical Layer between the Medium Dependent Interface (MDI) and the Media Independent Interface (MII). Making the proposed change for PHY would substantially reduce the proposed scope of the project.

  - **Change 5.2.b to**

    Define Ethernet MAC parameters, physical layer specifications, and management parameters for the transfer of Ethernet format frames at 800 Gb/s and 1.6 Tb/s over copper, multi-mode fiber, and single-mode fiber, and use this work to define derivative physical layer specifications and management parameters for the transfer of Ethernet format frames at 200 Gb/s and 400 Gb/s.

COMMENTS SUBMITTED DURING 16 NOV 802.3 B400G INTERIM CALL

PAR Comments from B400G

- ## ETC has revised their 800G specification to 1.1
  1. **Modify in 7.1**
     - The Ethernet Technology Consortium released D1.0 of "800G Specification" on 10 March 2020, which defined an 800G MAC and physical coding sub-layer (PCS).
     - To
     - The Ethernet Technology Consortium released D1.1 of "800G Specification" on 06 August 2021, which defined an 800G MAC and physical coding sub-layer (PCS).
     - Modify PAR, 7.1.1. Project Date to "6 Aug 2021"

CSD BMP Response Comment from B400G

Original statement –

• There has been wide attendance and participation in the study group by end users, equipment manufacturers and component suppliers. It is anticipated that there will be sufficient participation to effectively complete the standardization process.

Suggested change (in red)

• There has been wide attendance and participation in the study group by **subject matter experts familiar with the needs of** end users, equipment manufacturers and component suppliers. It is anticipated that there will be sufficient participation to effectively complete the standardization process.