

# PAR Items 7.1, 7.2 and CSD item Distinct Identity

IEEE 802.3  
ISAAC Study Group

Oct 4, 2023

Kamal Dalmia  
Aviva Links Inc.

# Introduction

---

- This presentation relates to PAR Items 7.1 & 7.2
  - Specifically, this presentation includes information that may directly relate to the answers to questions in items 7.1 & 7.2
- Response to item 7.1 may affect CSD Item “Distinct Identity”

# PAR item 7.1 – Similar scope

---

- **Item 7.1 Are there other standards or projects with a similar scope? (Yes or No)?**

*Help text : Identify any standard(s) or project(s) of similar scope(s), both within or outside of the IEEE, and explain the need for an additional standard in this area.*

**I believe the answer to this question is: YES**

*If Yes, please explain:*

**Based on my individual knowledge, a project underway at “Automotive SerDes Alliance” is similar in scope.**

**Public information**

[https://auto-serdes.org/wp-content/uploads/2023/03/Aviva\\_AEC-2023-Final.pdf](https://auto-serdes.org/wp-content/uploads/2023/03/Aviva_AEC-2023-Final.pdf) (Dated - March 2023)

**The contents of this document mention Asymmetrical Ethernet PHYs that support rates up to 10Gbps in one direction and a lower rate in the other direction**

# PAR item 7.1 – Follow On Question

---

**Requirement:** If Yes, answer the following

- Sponsor Organization: Automotive SerDes Alliance
- Project/Standard Number: ASA 2.0
- Project/Standard Date: Baseline adopted in Nov 2022
- Project/Standard Title: ASA-ML E

**Above points are provided based on public information**

# PAR item 7.2 – Joint Development

---

**Requirement:** Is it the intent to develop this document jointly with another organization?:

**YES or NO?**

Stakeholders need to consider how to respond to this item in the light of information provided in response to item 7.1

# CSD Item - Distinct Identity

---

**Each proposed IEEE 802 LMSC standard shall provide evidence of a distinct identity. Identify standards and standards projects with similar scopes and for each one describe why the proposed project is substantially different.**

**Substantially different from other IEEE 802.3 specifications/solutions.**

Note: My understanding is that 1<sup>st</sup> sentence above relates to projects both inside and outside IEEE. 2<sup>nd</sup> sentence relates to 802.3.

-----

YES response to PAR item 7.1 may affect the response to this item.

Current text from [https://www.ieee802.org/3/ISAAC/public/100423/802d3\\_ISAAC\\_CSD\\_V2p7.pdf](https://www.ieee802.org/3/ISAAC/public/100423/802d3_ISAAC_CSD_V2p7.pdf) is as follows

“There are no point-to-point IEEE 802.3 PHYs that support one data rate in one direction but are limited to a lesser rate in the opposite direction.

There are no reconciliation sublayers in IEEE Std 802.3 that support connecting PHYs with asymmetric data rate limitations to the MAC without an additional MAC control sublayer.”

This text addresses 802.3 standards and projects. Distinct Identity relative to ASA-ML E may need to be established.

---

# Thank You!