

IEEE 802.3 10SPE Multidrop Enhancements (SPMD) Study Group PAR and CSD Comment Report

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PAR and CSD Comments from 802.11

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doc.: IEEE 802.11-20-0264r3

802.3da Amendment: 10Mb/s Single Pair Ethernet Multidrop Enhancements, [PAR](#) and [CSD](#)

PAR: 2.1 missing the word “network” -suggest add to title: “Physical Layer Specifications and Management Parameters for 10 Mb/s Operation over Single Balanced Pair Multidrop Network Enhancements”

5.2.b suggest add text from the CSD “This amendment specifies optional power delivery supporting multiple powered devices on the mixing segment.”

5.5 “from legacy networks to Ethernet” what are “legacy networks” in this context? Suggest “legacy non-Ethernet networks”.

CSD: 1.2.2 Broad Market Potential: suggest same change as in PAR 5.5.

PAR: 2.1

Comment: Missing the word “network” -suggest add to title:
“Physical Layer Specifications and Management Parameters
for 10 Mb/s Operation over Single Balanced Pair Multidrop
Network Enhancements”

Accepting comment:

2.1 Project Title: IEEE Standard for Ethernet

Amendment: Physical Layer Specifications and Management
Parameters for 10 Mb/s Operation over Single Balanced Pair
Multidrop **Network** Enhancements

PAR: 5.2.b

suggest add text from the CSD “This amendment specifies optional power delivery supporting multiple powered devices on the mixing segment.”

Existing PAR 5.2b:

5.2.b Scope of the project: Specify additions and modifications of the Physical Layer (including reconciliation sublayers), management parameters, Ethernet support for time synchronization protocols, and optional power delivery to enhance 10Mb/s multidrop single balanced pair networks

PAR: 5.2.b

Accepting comment

5.2.b Scope of the project: Specify additions and modifications of the Physical Layer (including reconciliation sublayers), management parameters, Ethernet support for time synchronization protocols, and optional power delivery **supporting multiple powered devices on the mixing segment** to enhance 10Mb/s multidrop single balanced pair networks

PAR: 5.5

“from legacy networks to Ethernet” what are “legacy networks” in this context? Suggest “legacy non-Ethernet networks”.

Accepting comment:

5.5 Need for the Project: Many applications in building, industrial, and transportation industries have begun the transition from legacy **non-Ethernet** networks to Ethernet. A number of these applications require enhancements to 10Mb/s multidrop single balanced pair networks, e.g., larger multidrop topologies, power delivery, TSSI (Time Synchronization Service Interface). These enhancements will increase the applications addressed by this technology.

CSD: 1.2.2

“from legacy networks to Ethernet” what are “legacy networks” in this context? Suggest “legacy non-Ethernet networks”.

Accepting comment:

Broad Sets of Applications:

Many applications in building, industrial, and transportation sectors have begun the transition from legacy **non-Ethernet** networks to Ethernet. A number of these applications require enhancements to 10Mb/s multidrop single balanced pair networks, e.g., larger multidrop topologies, power delivery, and Ethernet support for time synchronization protocols.

Questions?

Thank you!