

Project Authorization Request (PAR)

Motions on individual clauses

PAR Title

2.1 Title of Standard:

IEEE Standard for Information Technology -
Telecommunications and Information
Exchange Between Systems - Local and
Metropolitan Area Networks – Specific
Requirements Part 3: Carrier Sense Multiple
Access with Collision Detection (CSMA/CD)
Access Method and Physical Layer
Specifications - Amendment: **Physical Layer
Specifications and Management
Parameters for 10Gb/s Passive Optical
Networks**

Y: 46 N:0 A:4

Scope

5.2 Scope of Proposed Standard: The scope of this project is to amend IEEE Std 802.3 to add physical layer specifications and management parameters for symmetric and/or asymmetric operation at 10 Gb/s on point-to-multipoint passive optical networks.

Y: 48 N:1 A:2

Purpose

5.4 Purpose of Proposed Standard: To significantly increase performance of point-to-multipoint architecture (Ethernet Passive Optical Network) to support emerging bandwidth-intensive services while considering equipment, operation, upgrade, and maintenance costs.

Y:49 N:0 A:5

Need for the Project

5.5 Need for the Project: The project is applicable to subscriber access, back-haul, and multi-dwelling unit environments. The project is needed to enable telecommunications operators and multiple system operators to provide advanced bandwidth-intensive services, such as high-definition television, while

- reducing footprint and power consumption of central office equipment
- minimizing service upgrade cost
- minimizing fiber deployment costs.

Y:49 N:0 A:4