

Project Authorization Request (PAR) Wording

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Introduction

- This presentation provides recommended wording for some of the key fields in the IEEE Project Authorization Request (PAR) Form
- These recommendations can be used by the study group as a starting point for drafting of the PAR

2.1 Project Title

- ... Amendment – Physical layer specification, and EPON multipoint control protocol extensions, for EPON protocol operation on coaxial cable plants.

5.2 Project Scope

- This project adds an RF physical (PHY) layer specification to the IEEE 802.3-2008 standard for operation over coaxial cable plants. The PHY layer specification supports both FDD and TDD modes of operation. The project specifies extensions to both MPCP and OAM to support the RF PHY operation, as needed. The PHY layer will support upstream and downstream data rates of up to 10 Gb/s.

5.4 Purpose

- The purpose is to develop an RF PHY layer specification, with MPCP and OAM extensions, to extend the EPON protocol for operation on coaxial cable plants.

5.5 Need

- In many deployments it would be cost effective to run EPON on fiber part-way to the customer and EPOC over coax cable the remainder of the way. Therefore, there is a need for an RF PHY layer for running the EPON protocol on a coaxial cable plant.

5.6 Stakeholders

- Stakeholders include, but are not limited to, cable industry multiple system operators (MSOs), original equipment manufacturers (OEMs) and semiconductor manufacturers.

8.1 Explanatory Notes

- Section 2.1
 - *EPON* is an acronym for Ethernet over Passive Optical Networks
- Section 5.2
 - RF is an acronym for radio frequency
 - FDD is an acronym for Frequency Division Duplex
 - TDD is an acronym for Time Division Duplex
 - MPCP is an acronym for multipoint control protocol
 - OAM is an acronym for Operation, Administration and Management