IEEE P802.3dk
Greater than 50 Gb/s Bidirectional Optical Access PHYs
Opening Report

Yuanqiu Luo

Futurewei Technologies

March 2024

IEEE P802.3dk Greater than 50 Gb/s Bidirectional Optical Access PHYs Project information

Task Force Organization

Yuanqiu Luo, IEEE P802.3dk Task Force Chair

Frank Effenberger, IEEE P802.3dk Task Force Secretary

Sisi Tan, IEEE P802.3dk Task Force Chief Editor

Task force web and reflector information

Reflector information: http://www.ieee802.org/3/dk/reflector.html

Home page: http://ieee802.org/3/dk/index.html

PAR: https://www.ieee802.org/3/dk/P802d3dk_PAR.pdf

CSD: https://mentor.ieee.org/802-ec/dcn/22/ec-22-0268-00-ACSD-ieee-p802-3dk.pdf

Objectives: https://www.ieee802.org/3/dk/P802.3dk_OBJ.pdf

Private area: https://www.ieee802.org/3/dk/private/index.html

Note: The draft, and any other content, is posted for your review only, and neither the content nor access information should be copied or redistributed to others in violation of document copyrights

IEEE P802.3dk Greater than 50 Gb/s Bidirectional Optical Access PHYs
Activities since November 2023 plenary

A conference call was held on December 12th

- Accepted subclause materials on 100G BiDi definition of optical parameters, fiber optic cabling model & characteristics

- Discussed BR40 specifications

Met during the January 2024 interim meeting series

- Reviewed D0.2

- Discussed BR40 specifications, BR20 power budget, 50G-based BR40 wavelength plan

- Accepted subclause materials on PMD service interface, delay constraints, PMD MDIO function mapping

A conference call was held on February 20th

- Reviewed D0.3 and project progress
  - 100G all distances should be ready to go to D1.0
  - 200G 10 and 20km can be derivative of 100G (expect to add those to D1.x)
  - 200G 40 km is a stretch goal (maybe solve the problem, or maybe drop the objective)

- Discussed BR40 specifications

IEEE P802.3dk Greater than 50 Gb/s Bidirectional Optical Access PHYs Plans

Goals for the plenary session meeting(s)

Consider presentations

Continue selecting baseline proposals

Get 100G BiDi specs ready to go to D1.0

Big ticket items

Baseline proposals for 200GBASE-BRx

Questions?

Thank you!