

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

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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

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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>

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IEEE P802.3dk Greater than 50 Gb/s Bidirectional Optical Access PHYs Activities since March 2024 plenary

A conference call was held on April 23

- BR40 updates from contributions made the set of specs more self-consistent
- Two trade-offs need more analyses: Tx Power Max vs. Rx damage threshold, and Tx OMA Min vs. Rx sensitivity

Met during the May 2024 interim meeting series

- Reviewed TBDs in the 100G BiDi clause
- Discussed BR20 specifications and the options of 200G BRx baselines
- Reviewed clause structure and possible ways to include 200G BiDi specs

A conference call was held on June 12

- One contribution compiled BR40 values and pointed out discrepancies and missing items
- A compromised BR40 Rx sensitivity value of -13.2 dBm was proposed

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

Goals for the plenary session meeting(s)

- Consider presentations

- Continue resolving discrepancies in 100G BRx baseline specs

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

Big ticket items

- Baseline proposals for 200GBASE-BRx

Questions?

Thank you!