

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

Yuanqiu Luo  
Futurewei Technologies  
November 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](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](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 July 2024 plenary

---

Draft D0.5 was developed per motions from the July plenary

- Updated 100GBASE-BR10 spec updated
- Updated 100GBASE-BR40 spec updated
- Accepted 100GBASE-BR20 baseline

Met during the September 2024 interim meeting series

- Accepted DGD\_max values of 100GBASE-BR10, BR20, and BR40
- Accepted materials on receiver sensitivity illustration and requirements for interoperation between 100GBASE-BRx PMDs
- Agreed to generate D1.0
- Passed a TF motion to remove 200GBASE-BRx from objectives

Draft D1.0 was announced, initial TF review was due on October 31

- Received 31 comments

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

---

## Goals for the plenary session meeting(s)

Initial TF review comment resolution

Contributions to address comments

Questions?

Thank you!