

IEEE 802.3 Beyond 10km Optical PHYs Study Group Opening Report

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IEEE 802.3 Beyond 10km Optical PHYs Study Group

Project information

Study Group Organization

John D'Ambrosia, Chair, IEEE 802.3 Beyond 10km Optical PHYs SG

Task force web and reflector information

Reflector: <http://www.ieee802.org/3/B10K/reflector.html>

Home page: <http://www.ieee802.org/3/B10K/index.html>

PAR: No Draft Yet

CSD: No Draft Yet

Objectives: No Draft Yet

Timeline: None Adopted

Ad Hoc page <http://www.ieee802.org/3/B10K/public/adhoc/index.shtml>

Private Area: None Yet

IEEE 802.3 Beyond 10km Optical PHYs Study Group Activities since July 2017 Plenary

- 8/24 Adhoc meeting – Initial kickoff / discussions
- Met during the Sept 2017 interim meeting series
 - 77 Attendees
 - Major items discussed, decisions made and actions
 - Level Setting Presentations
 - Discussions of potentially more than one project, pending objectives / technologies selected
 - 6 Technical presentations
 - Presentation on MSO needs, suggesting 100G / 200G solutions and “appropriate support for DWDM systems”
 - Strawpolls taken illustrate need for more information (broad market potential, tech feasibility, economic feasibility).
 - Responded to liaison from OIF, regarding 400ZR Project

Study Group Strawpoll – Inclusion of 100Gb/s?

Straw Poll #1

I would be interested in a CFI to work towards expanding the scope of “Beyond 10 km Optical PHYs” study group to include 100 Gb/s?

- | | |
|-------------------------|----|
| • Yes | 31 |
| • No | 00 |
| • Need more information | 20 |

Study Group Meeting Week Plan

- Consensus building on PAR / Objectives / CSD
- 6 technical presentations
- Consider liaisons
 - From ITU-T: [ITU-T SG15 to IEEE 802.3 regarding coherent 100 Gb/s DWDM interfaces](#)
 - From COBO: [http://www.ieee802.org/3/minutes/nov17/incoming/COBO_to_IEEE_802d3_Oct_2017.pdf](#)
- Consider inclusion of 100G Beyond 10km

Questions?

Thank you!