

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>

Project Documentation – none approved by 802.3 WG

- PAR : http://www.ieee802.org/3/B10K/project_docs/PAR_P8023cn_180521_draft.pdf
- CSD: http://www.ieee802.org/3/B10K/project_docs/CSD_P8023cn_180521_draft.pdf
- Objectives: http://www.ieee802.org/3/B10K/project_docs/objectives_180521.pdf
- Timeline None Adopted

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

Private Area None Yet

Activities since Mar 2018 Plenary

- May 2018 Interim (Thanks to Ethernet Alliance)
 - Motion #3 - Added new 400 GbE related objectives (Results y/n/a: 24 / 1 / 24)
 - Support a MAC data rate of 400 Gb/s
 - Support a BER of better than or equal to 10^{-13} at the MAC/PLS service interface (or the frame loss ratio equivalent) for 400 Gb/s
 - Provide a physical layer specification supporting 400 Gb/s operation over eight wavelengths capable of at least 40 km of SMF
 - Motion #4 – added new 400GbE Physical layer specification (Results y/n/a: 32 / 0 / 18)
 - Provide a physical layer specification supporting 400 Gb/s operation on a single wavelength capable of at least 80 km over a DWDM system.
 - Motion #5 (technical) to split into two projects failed (Results y/n/a: 16 / 15 / 18)
 - Motion #6 – “lane” related (Approved by voice vote without opposition)
 - New objective wording - Provide a physical layer specification supporting 200 Gb/s operation over four wavelengths capable of at least 40 km of SMF
 - Motion #7 – PAR / CSD (Results y/n/a: 20 / 0 / 0)
 - Motion # 8 – Proposed draft liaison by 802.3 WG to OIF – (results approved by voice vote without opposition)
 - Project Documentation adopted by Study Group
- Ad Hoc Teleconferences
 - [15-May-2018](#), Study Group Ad Hoc (Project documentation, 100GbE DWDM Objective)
 - [08-May-2018](#), Study Group Ad Hoc (100GbE / 400 GbE Objectives)
 - [17-Apr-2018](#), Study Group Ad Hoc (Project documentation)
 - [10-Apr-2018](#), 100GbE Objective 5C Ad hoc (Project documentation)
 - [03-Apr-2018](#), 200GbE Objective 5C Ad hoc (Project documentation)

Study Group Meeting Week Plan

- 1 technical presentation
- Review comments submitted against project documentation.
 - Note – we must respond by Wed 6:30pm
- Liaisons
 - Consider - TU-T SG15 to IEEE 802.3 regarding progress on G.698.2
 - To OIF – informative liaison regarding B10k SG Progress
- Request extension of Study Group

Questions?

Thank you!