

Motions

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May 21, 2018

Study Group Objectives Discussions to Date

	50 GbE	100 GbE	200 GbE	400 GbE
80km	Minimal Interest (Nov 17, Straw Poll #3)	Objective Adopted	More education needed (Jan 2018, Straw Poll #6)	
40 km	Objective Adopted	No Interest (Jan 2018, Straw Poll #2)	Objective Adopted	Tech Feasibility being addressed

Rate / BER Objectives

1. 50 Gb/s
 1. Support a MAC data rate of 50 Gb/s
 2. Support a BER of better than or equal to 10^{-12} at the MAC/PLS service interface (or the frame loss ratio equivalent) for 50 Gb/s
2. 100 Gb/s
 1. Support a MAC data rate of 100 Gb/s
 2. Support a BER of better than or equal to 10^{-12} at the MAC/PLS service interface (or the frame loss ratio equivalent) for 100 Gb/s
3. 200 Gb/s
 1. Support a MAC data rate of 200 Gb/s
 2. Support a BER of better than or equal to 10^{-13} at the MAC/PLS service interface (or the frame loss ratio equivalent) for 200 Gb/s
4. 400 Gb/s
 1. Support a MAC data rate of 400 Gb/s
 2. 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

Motion #3

- Move that the Beyond 10km Optical PHYs Study Group adopt the following objectives:
 - 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
- M: Xinyuan Wang
- S: Shuto Yamamoto
- Technical ($\geq 75\%$)
- Results Y: 24 N: 1 A: 24
- Motion Passes

Motion #4

- Move that the Beyond 10km Optical PHYs Study Group adopt the following objective:
 - Provide a physical layer specification supporting 400 Gb/s operation on a single wavelength capable of at least 80 km over a DWDM system.
- Technical ($\geq 75\%$)
- M: Gary Nicholl
- S: Rich Baca
- Results all Y: 32 N: 0 A: 18
- Motion Passes

Motion #5

- Move that the Beyond 10km Optical PHYs Study Group develop documentation for two projects:
 - Project #1 - Objectives related to “at least 40 km of SMF”
 - Project #2 – Objectives related to “at least 80 km over a DWDM system”
- Technical ($\geq 75\%$)
- M: Peter Stassar
- S: Pete Anslow
- Results all Y: 16 N: 15 A: 18
- Motion Fails

Motion #6

- Move to replace objective

- Provide a physical layer specification which supports four-lane 200 Gb/s operation over at least 40km of SMF.

With

- Provide a physical layer specification supporting 200 Gb/s operation over four wavelengths capable of at least 40 km of SMF

- M: Pete Anslow

- S: David Lewis

- Tech (=> 75%)

- Approved by voice vote without opposition

Motion #7

- Move to adopt:
 - The PAR responses in PAR_P8023cn_180521_draft.pdf
 - The CSD “Managed Objects”, “Coexistence”, “Broad Market Potential”, “Compatibility”, “Distinct Identity”, “Technical Feasibility”, and “Economic Feasibility” responses, as per CSD_P8023cn_180521_draft.pdf
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- M: David Ofelt
- S: David Malicoat
- Tech (=>75%)
- Results Y 20 N 0 A 0
- Motion Passes

Motion #8

Move that the IEEE 802.3 Beyond 10km Study Group approve:

- IEEE_802d3_to_SG15_B10k_0518_draft

with editorial license granted to the Chair (or his appointed agent) as liaison communications from the IEEE 802.3 Working Group to ITU-T Study Group 15.

- Technical ($\geq 75\%$)
- M: Trowbridge
- S: Anslow
- Approved by voice vote without opposition.

Attendance Strawpolls

- Attend July 2018 SG Plenary, San Diego, CA, USA

- Y: N: M:

- Attend Sept 2018 SG Interim, Spokane, WA, USA

- Y: N: M:

- Not taken due to low participation at time polls were considered.