Motions & Strawpolls

IEEE 802.3 Beyond 400 Gb/s Ethernet Study Group
Electronic July Session

John D'Ambrosia,
Chair, IEEE 802.3 Beyond 400 Gb/s Ethernet Study Group
Futurewei, U.S. Subsidiary of Huawei
July 2021 Session

JULY 13, 2021
CHAIRED BY TOM ISSENHUTH

Motion #1

Motion	Move that the IEEE 802.3 Working Group request the re-chartering of the IEEE 802.3 Beyond 400 Gb/s Ethernet Study Group.
M:	Matt Brown
S:	Jim Weaver
Technical (>=75%)	
All (y/n/a)	Motion passed unopposed by voice vote
Results	Motion Passes

Straw Poll #1 – 200 GbE

I would support adopting the following objectives: • Support a MAC data rate of 200 Gb/s • Support optional single-lane 200 Gb/s attachment unit interfaces for chip-to-module and chip-to-chip applications • Define a physical layer specification that supports 200 Gb/s operation over 1 pair of SMF with lengths up to at least 500 m • Define a physical layer specification that supports 200 Gb/s operation over 1 pair of SMF with lengths up to at least 2 km	Results
a) Yes	98
b) No	3
c) Need more information	5
d) Abstain	10

Motion #2 – 200 GbE

Motion	**Move to adopt the following objectives:** • **Support a MAC data rate of 200 Gb/s** • **Support optional single-lane 200 Gb/s attachment unit interfaces for chip-to-module and chip-to-chip applications** • **Define a physical layer specification that supports 200 Gb/s operation over 1 pair of SMF with lengths up to at least 500 m** • **Define a physical layer specification that supports 200 Gb/s operation over 1 pair of SMF with lengths up to at least 2 km**
M:	Rob Stone
S:	Brian Welch
Technical (>=75%)	
All (y/n/a)	106 / 4 / 5
Results	Motion Passes

Straw Poll #2 – 400 GbE (Option 1)

I would support adopting the following objectives: • Support a MAC data rate of 400 Gb/s • Support optional two-lane 400 Gb/s attachment unit interfaces for chip-to-module and chip-to-chip applications • Define a physical layer specification that supports 400 Gb/s operation over 2 pairs of SMF with lengths up to at least 500 m	Results
a) Yes	88
b) No	4
c) Need more information	7
d) Abstain	7

Motion #3 – 400 GbE

Motionc	**Move to adopt the following objectives:** • **Support a MAC data rate of 400 Gb/s** • **Support optional two-lane 400 Gb/s attachment unit interfaces for chip-to-module and chip-to-chip applications** • **Define a physical layer specification that supports 400 Gb/s operation over 2 pairs of SMF with lengths up to at least 500 m**
M:	Kapil Shrikhande
S:	Ali Ghiasii
Technical (>=75%)	
All (y/n/a)	92 / 2 / 8
Results	Motion Passes

JULY 20, 2021

Straw Poll #3 – 1.6 Tb/s AUI

I would support adopting the following objectives: • Support optional sixteen-lane 1.6 Tb/s attachment unit interfaces for chip-to-module and chip-to-chip applications	Results
a) Yes	83
b) No	4
c) Need more information	8
d) Abstain	16

Motion #4 – 1.6 Tb/s AUI

Motion	**Move to adopt the following objective:** • **Support optional sixteen-lane 1.6 Tb/s attachment unit interfaces for chip-to-module and chip-to-chip applications**
M:	Paul Brooks
S:	Matt Brown
Technical (>=75%)	
All (y/n/a)	Approved by unanimous consent
Results	Motion Passes

Motion #5

Motion	**Move that the IEEE P802.3cw Task Force approve:** **IEEE_802d3_to_ITU_b400g_0721_draft.pdf** **IEEE_802d3_to_OIF_b400g_0721_draft.pdf** **with editorial license granted to the Chair (or his appointed agent) as a liaison communication** **from the IEEE 802.3 Working Group to ITU-T SG15 and OIF.**
M:	Steve Trowbridge
S:	Tom Issenhuth
Technical (>=75%)	
All (y/n/a)	Approved by unanimous consent
Results	Motion Passes

JULY 29, 2021

Straw Poll #4 – 800 Gb/s CR

I would support adopting an objective for a physical layer specification that defines 800 Gb/s operation:	Results y/n/nmi/a
a) over 8 pairs of copper twin-axial cables in each direction with a reach of up to at least 2 meters • Yes • No • Need more information • Abstain	44/3/13/9
b) over 4 pairs of copper twin-axial cables in each direction with a reach of up to at least 1 meter • Yes • No • Need more information • Abstain	33/7/21/8

Straw Poll #5 – 1.6 Tb/s, 200 Gb/s, 400 Gb/s CR

I would support adopting an objective for a physical layer specification that defines:	Results y/n/nmi/a
a) 1.6 Tb/s operation over 8 pairs of copper twin-axial cables in each direction with a reach of up to at least 1 meter • Yes • No • Need more information • Abstain	33/10/21/9
b) 200 Gb/s operation over 1 pair of copper twin-axial cables in each direction with a reach of up to at least 1 meter • Yes • No • Need more information • Abstain	33/8/23/9
c) 400 Gb/s operation over 2 pairs of copper twin-axial cables in each direction with a reach of up to at least 1 meter • Yes • No • Need more information • Abstain	33/10/21/9