

Motions & Strawpolls

**IEEE 802.3 Beyond 400 Gb/s Ethernet Study Group
Electronic June 3, Meeting**

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Futurewei, U.S. Subsidiary of Huawei
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Motion – Topic #1, Proposed New Objective

Motion	Move to adopt the following objective: Define a physical layer specification that supports 800 Gb/s operation: <ul style="list-style-type: none">• over 8 pairs of SMF with lengths up to at least 2 km
M:	Scott Schube
S:	Paul Brooks
Technical ($\geq 75\%$)	
All (y/n/a)	67 / 8 / 17
Results	Motion Passes

Straw Poll #1 – Topic #2 Objective Modification

I would support modifying the minimum reach from " <u>up to at least 2km</u> " to " <u>up to at least 3km</u> " of this adopted objective – <ul style="list-style-type: none"><li data-bbox="321 444 1844 605">• "Define a physical layer specification that supports 800 Gb/s operation over 4 wavelengths over a single SMF in each direction with lengths up to at least 2 km"	Results
a) Yes	39
b) No	24
c) Need more information	20
d) Abstain	14

Straw Poll #2 – Topic #3 - 200 Gb/s & 400 Gb/s Physical Layer Specifications Interest Chicago Rules

I am interested in physical layer specifications that are based on physical layer specifications objectives for beyond 400 Gb/s Ethernet for:	Results
a) 200 Gb/s Ethernet	73
b) 400 Gb/s Ethernet	61

Straw poll #3 – Topic #5 – New Objectives 1.6 Tb/s

I would support adopting the following objectives: <ul style="list-style-type: none">• Support a MAC data rate of 1.6 Tb/s• Support optional eight-lane 1.6 Tb/s attachment unit interfaces for chip-to-module and chip-to-chip applications• Define a physical layer specification that supports 1.6 Tb/s operation:<ul style="list-style-type: none">• over 8 pairs of SMF with lengths up to at least 500 m• over 8 pairs of SMF with lengths up to at least 2 km	Results
a) Yes	69
b) No	3
c) Need more information	11
d) Abstain	5

Motion - Topic #5 – New Objectives 1.6 Tb/s

Motion	<p>Move to adopt the following objectives:</p> <ul style="list-style-type: none">• Support a MAC data rate of 1.6 Tb/s• Support optional eight-lane 1.6 Tb/s attachment unit interfaces for chip-to-module and chip-to-chip applications• Define a physical layer specification that supports 1.6 Tb/s operation:<ul style="list-style-type: none">• over 8 pairs of SMF with lengths up to at least 500 m• over 8 pairs of SMF with lengths up to at least 2 km
M:	John D'Ambrosia
S:	Leesa Noujeim
Technical ($\geq 75\%$)	
All (y/n/a)	69 / 2 / 12
Results	Motion Passes

Straw poll #4 – Topic #4 – New Objective related to Ethernet MAC Parameters for ≥ 800 Gb/s

I would support adopting the following objective: <ul style="list-style-type: none">• “Adopt the same Ethernet MAC Parameters for MAC data rates of 800 Gb/s and 1.6 Tb/s”	Results
a) Yes	42
b) No	9
c) Need more information	4
d) Abstain	13