

Motions & Strawpolls

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

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

AUGUST 12, 2021

Straw Poll #1 – 800 Gb/s CR

<p>I would support adopting the following objective:</p> <ul style="list-style-type: none">• Define a physical layer specification that supports 800Gb/s operation over eight lanes of twin axial copper cables with a reach up to at least 2 meters	<p>Results y/n/nmi/a</p>
<ul style="list-style-type: none">• Yes• No• Need more information• Abstain	<p>70/3/3/12</p>

Straw Poll #2 – 800 Gb/s KR

<p>I would support adopting the following objective:</p> <ul style="list-style-type: none">• Define a physical layer specification that supports 800Gb/s operation over eight lanes over electrical backplanes supporting an insertion loss ≤ 28dB at 26.56GHz	<p>Results y/n/nmi/a</p>
<ul style="list-style-type: none">• Yes• No• Need more information• Abstain	<p>60/1/3/22</p>

Motion - 800 Gb/s CR

Motion	Move to adopt the following objective: <ul style="list-style-type: none">• Define a physical layer specification that supports 800Gb/s operation over eight lanes of twin axial copper cables with a reach up to at least 2 meters
M:	Sam Kocsis
S:	Jim Weaver
Technical (>=75%)	
All (y/n/a)	Approved by unanimous consent
Results	Motion Passes

Motion – 800 Gb/s KR

Motion	Move to adopt the following objective: <ul style="list-style-type: none">• Define a physical layer specification that supports 800Gb/s operation over eight lanes over electrical backplanes supporting an insertion loss $\leq 28\text{dB}$ at 26.56GHz
M:	Sam Kocsis
S:	Jim Weaver
Technical ($\geq 75\%$)	
All (y/n/a)	Approved by unanimous consent
Results	Motion Passes

AUG 19, 2021
NO STRAW POLLS OR MOTIONS

AUG 26, 2021

Straw Poll #3 – 800 Gb/s CR Length

I would support adopting an objective:	Results y/n/a
a) for a physical layer specification that defines 800 Gb/s operation over 4 pairs of copper twin-axial cables in each direction with a reach of 1.0 m	44/5/10
b) for a physical layer specification that defines 800 Gb/s operation over 4 pairs of copper twin-axial cables in each direction with a reach of 1.25 m	21/23/15
c) for a physical layer specification that defines 800 Gb/s operation over 4 pairs of copper twin-axial cables in each direction with a reach of 1.5 m	14/28/17

Motion - CR

Motion	Move to adopt the following objectives: <ul style="list-style-type: none">• Define a physical layer specification that supports 800 Gb/s operation over 4 pairs of copper twin-axial cables in each direction with a reach of up to at least 1.0 meter• Define a physical layer specification that supports 1.6 Tb/s over 8 pairs of copper twin-axial cables in each direction with a reach of up to at least 1.0 meter• Define a physical layer specification that supports 200 Gb/s over 1 pair of copper twin-axial cables in each direction with a reach of up to at least 1.0 meter• Define a physical layer specification that supports 400 Gb/s over 2 pairs of copper twin-axial cables in each direction with a reach of up to at least 1.0 meter
M:	Nathan Tracy
S:	Adee Ran
Technical (>=75%)	
All (y/n/a)	Motion approved by unanimous consent
Results	Motion Passed