

# Straw Polls

IEEE 802.3 Greater than 10 Mb/s Long-Reach SPE Study Group

8 December 2021

# Straw Poll 1:

I would support a motion to propose the following objectives....

1. Support a speed of 1000 Mb/s at the MAC/PLS service interface.
2. Support 1000 Mb/s single-pair Ethernet operation in industrial environments (e.g., EMC, temperature ).
3. Define performance characteristics of a link segment with a single balanced pair of conductors supporting up to 4 inline connectors for up to at least 100m reach, and a PHY supporting point-to-point full duplex operation over the link segment.
4. Maintain a bit error ratio (BER) at the MAC/PLS service interface of less than or equal to  $10^{-10}$  or the frame loss ratio equivalent
5. The same latency objective shall be adopted as for 100Base-T1L

Y:6      N: 17      A:8

# Straw Poll 2

I would support the project adopting a latency objective as “Support a low latency mode of operation with  $\leq 1.5\mu\text{sec}$  latency for constrained link segment specifications (e.g., insertion loss or noise)”

Room count: 28

Yes:14

No:3

Abstain:9

No answer: 2

# Straw Poll 3

I would support the project adopting a latency objective as “Support a low latency mode of operation for constrained link segment specifications (e.g., insertion loss or noise)”

Room count: 27

Yes: 16

No: 4

Abstain: 4

No Answer: 3