

IEEE P802.3ct Task Force: 100 Gb/s and 400 Gb/s over DWDM Systems

Straw polls and Motions

John D'Ambrosia, Futurewei, U.S. Subsidiary of Huawei
Chair, IEEE P802.3ct Task Force
IEEE 802.3 July 2019 Plenary
Vienna, Austria

.3ct Straw poll #1

In order to enable defining a single PHY for each rate objective, I would support the development of “Configured DWDM link” PHYs

- For DWDM links these are the three key characteristics that need to match:
 - Transmit Frequency (wavelength, channel)
 - Rx Oscillator Frequency (wavelength, channel)
 - Ports on Mux (i.e. link wavelength)

Y: 16+23 = 39

N: 0

Need more information: 1

.3ct Straw poll #2

- I am prepared to select the minimum and maximum frequency of the grid for 100GbE and 400GbE in this plenary meeting
- Yes - $1+5 = 6$
- No - $8+21 = 29$

.3ct Straw Poll #3

- I am interested in hearing more information related to supporting a 75 GHz grid spacing for 400 GbE
- Y: $11+15 = 26$
- N: $2+4 = 6$

Attendance Straw Polls

- For IEEE P802.3cn / P802.3ct Meetings at the Sept 2019 Interim
 - I will attend – $13+8 = 21$
 - I may attend – $3 + 6 = 9$
 - I won't attend $2+0 = 2$

- For IEEE P802.3cn / P802.3ct Meetings at the Nov 2019 Plenary
 - I will attend - $6+13 = 19$
 - I may attend – $6+ 5 = 11$
 - I won't attend – $0 + 2 = 2$

.3ct Straw Poll #4

- I support the parameter list and corresponding values in the proposed strawman column on slides 8, 9 and 11 of stassar_3ct_02_0719 for the 100GBASE-ZR PMD specification.
- Y: $11 + 16 = 27$
- N: $0 + 0 = 0$

.3ct Straw Poll #5

- I support the parameter list on slides 4 to 6 of stassar_3ct_02_0719 for the 400GBASE-ZR PMD specification.

- Y: $13+9 = 22$
- N: $1+0 = 1$

.3ct Straw Poll #6

- I support the methodology and approach described on slide 6 of maki_3ct_01a_0719.
- Y: 19+11 = 30
- N: 0

.3ct Straw Poll #7

- I support the ability (not a requirement) to have a different Tx and Rx frequency in a single transceiver (for either rate)
- Y: 17+12 = 29
- N: 0

.3ct Motion #3

- Move to update the 100G FEC and Frame Format baseline (Motion #8, Long Beach, trowbridge_3cn_01a_0119 slides 9-16) by adding error marking of uncorrectable SC FEC codewords:
 - All 66B blocks fully or partially contained within an uncorrectable SC FEC codeword are replaced with error control blocks (block type 0x1E and eight /E/ control characters)
 - The probability that the SC FEC decoder fails to replace 66-bit blocks in an uncorrectable codeword is expected to be less than $10^{-\text{TBD}}$
- Technical ($\geq 75\%$)
- M: Trowbridge
- S: Anslow
- Results: Y: 8+17 = 25 N: 0 A: 2
- Motion: Passes

.3ct Motion #4

- Move to adopt the parameter list and corresponding values in the proposed strawman column on slides 8, 9 and 11 of stassar_3ct_02_0719 for the 100GBASE-ZR PMD specification.
- Technical ($\geq 75\%$)
- M: Stassar
- S: Anslow
- Results: Y: $10+14=24$ N: 0 A: $3+0 = 3$
- Motion Passes

.3ct Motion #5

- Move to adopt the parameter list on slides 4 to 6 of stassar_3ct_02_0719 for the 400GBASE-ZR PMD specification.
- Technical ($\geq 75\%$)
- M: Stassar
- S: Anslow
- Results: Y: $9+16= 25$ N: 0 A: $2+1 = 3$
- Motion: Passes

.3ct Motion #6

- Move that the IEEE P802.3ct Task Force approve:
 - IEEE_802d3_to_ITU_OIF_3ct_0719_draft
- 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.
- Technical ($\geq 75\%$)
- M: Steve Trowbridge
- S: Peter Stassar
- Results: Approved by voice vote without opposition