

New Ethernet Applications ad hoc Next-Gen MMF PMDs

06/09/2017

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Agenda

- Review IEEE meeting guidelines
- Approve minutes from May 12 meeting:
http://iee802.org/3/ad_hoc/ngrates/public/calls/17_0512/unapproved_minutes_nea_170512.pdf
- Discuss feedback from New Orleans meeting
- Discuss & take straw polls on PMD options
- Discuss contributions needed in future ad hoc meetings
- Walk-on items

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Straw Poll Options

My support for a CFI on Next-Gen MMF PMDs stems from interest in the following PMD type:

- A. 200G-SR1.4 (1 fiber pair, 4x50G- λ PAM4)
- B. 200G-SR2.n (2 fiber pairs, 2x50G- λ PAM4 or 4x25G- λ NRZ)
- C. 400G-SR2.n (2 fiber pairs, 4x50G- λ PAM4)
- D. 400G-SR4.n (4 fiber pairs, 2x50G- λ PAM4 or 4x25G- λ NRZ)
- E. 400G-SR8 (8 fiber pairs, 50G- λ PAM4)

Multi-Wavelength Nomenclature SRm.n

- m = # fiber pairs
- n = # wavelengths

Four Straw Poll Variations

- 1) Chicago Rules (i.e. Pick as many options as you would support)
- 2) Chicago Rules/2 votes only (i.e. Pick your top 2 options only)
- 3) Regular straw poll (i.e. Pick only one option)
- 4) Negative variation: I would vote “No” on a CFI if this (these) option(s) was(were) within the scope of the CFI

Straw Poll #1

My support for a CFI on Next-Gen MMF PMDs stems from interest in the following PMD type:

- A. 200G-SR1.4 (1 fiber pair, 4x50G- λ PAM4)
- B. 200G-SR2.n (2 fiber pairs, 2x50G- λ PAM4 or 4x25G- λ NRZ)
- C. 400G-SR2.n (2 fiber pairs, 4x50G- λ PAM4)
- D. 400G-SR4.n (4 fiber pairs, 2x50G- λ PAM4 or 4x25G- λ NRZ)
- E. 400G-SR8 (8 fiber pairs, 50G- λ PAM4)

Chicago rules – pick as many options as you would support

A) _____ B) _____ C) _____ D) _____ E) _____

Multi-Wavelength Nomenclature SRm.n

- m = # fiber pairs
- n = # wavelengths

Straw Poll #2

My support for a CFI on Next-Gen MMF PMDs stems from interest in the following PMD type:

- A. 200G-SR1.4 (1 fiber pair, 4x50G- λ PAM4)
- B. 200G-SR2.n (2 fiber pairs, 2x50G- λ PAM4 or 4x25G- λ NRZ)
- C. 400G-SR2.n (2 fiber pairs, 4x50G- λ PAM4)
- D. 400G-SR4.n (4 fiber pairs, 2x50G- λ PAM4 or 4x25G- λ NRZ)
- E. 400G-SR8 (8 fiber pairs, 50G- λ PAM4)

Chicago rules – pick your top 2 options only

A) _____ B) _____ C) _____ D) _____ E) _____

Multi-Wavelength Nomenclature SRm.n

- m = # fiber pairs
- n = # wavelengths

Straw Poll #3

My support for a CFI on Next-Gen MMF PMDs stems from interest in the following PMD type:

- A. 200G-SR1.4 (1 fiber pair, 4x50G- λ PAM4)
- B. 200G-SR2.n (2 fiber pairs, 2x50G- λ PAM4 or 4x25G- λ NRZ)
- C. 400G-SR2.n (2 fiber pairs, 4x50G- λ PAM4)
- D. 400G-SR4.n (4 fiber pairs, 2x50G- λ PAM4 or 4x25G- λ NRZ)
- E. 400G-SR8 (8 fiber pairs, 50G- λ PAM4)

Pick only one option

A) _____ B) _____ C) _____ D) _____ E) _____

Multi-Wavelength Nomenclature SRm.n

- m = # fiber pairs
- n = # wavelengths

Straw Poll #4

I would vote “No” on a CFI if this (these) option(s) was(were) within the scope of the CFI:

- A. 200G-SR1.4 (1 fiber pair, 4x50G- λ PAM4)
- B. 200G-SR2.n (2 fiber pairs, 2x50G- λ PAM4 or 4x25G- λ NRZ)
- C. 400G-SR2.n (2 fiber pairs, 4x50G- λ PAM4)
- D. 400G-SR4.n (4 fiber pairs, 2x50G- λ PAM4 or 4x25G- λ NRZ)
- E. 400G-SR8 (8 fiber pairs, 50G- λ PAM4)

Chicago rules – vote for as many options as you like

A) _____ B) _____ C) _____ D) _____ E) _____

Multi-Wavelength Nomenclature SRm.n

- m = # fiber pairs
- n = # wavelengths