

# 802.3 liaison report for March 2018 IEEE plenary, Rosemount, IL

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# Meetings that may interest us

- 802.3bs
- 802.3cd
- 100Gb/s per lane electrical study group
- Next-generation 200 Gb/s and 400 Gb/s MMF PHYs Study Group

# P802.3bs 400 Gb/s Ethernet Task Force

- Draft 3.5 received zero comments in the final sponsor ballot recirculation
- Approved by the Standards Board on 6 December 2017. Published on 12 December 2017. This project is complete!

# P802.3cd 50 Gb/s, 100 Gb/s, and 200 Gb/s Ethernet Task Force

- 11<sup>th</sup> Task Force meeting 5-8 March 2018, Rosemount, IL
  - Meeting Materials:  
<http://www.ieee802.org/3/cd/public/Mar18/>
  - Meeting Minutes:  
[http://www.ieee802.org/3/cd/public/Mar18/minutes\\_3cd\\_0318\\_unapproved.pdf](http://www.ieee802.org/3/cd/public/Mar18/minutes_3cd_0318_unapproved.pdf)
- Resolved 106 comments against Draft 3.1

# Key presentations

- Electrical
  - “ERL demo and Q&A” Rich Mellitz
  - “ERL Results for Host Backplanes”, Howard Heck
  - “ERL Update” , Rich Mellitz
  - “Can ERL replace SNRisi for 50GBASE-CR?”, Mike Dudek
- Optical
  - “In Response to TDECQ/SECQ Questions for Threshold Adjustments”, Frank Chang, et al.
  - “TDECQ update”, Jonathan King
  - “Refining TDECQ” Piers Dawe

# Relevant straw polls

- **Strawpoll #OT2**
- I would support setting a max limit on threshold adjustment to:
  - A.2% of OMAouter
  - B.1.5% of OMAouter
  - C.1% of OMAouter
  - D.0.5% of OMAouter
- A: 10 B: 0 C: 21 D:2
- Note: this was related to TDECQ

# Relevant Straw polls

- **Straw Poll #ET4:**
- (see comment #r01-27 in the comment database)
- I support adding the ERL specifications to Annexes 135D, 135E, 135F or 135G.
- Y: 3, N: 17
- **Straw Poll #ET3:**
- I would support:
- A. Make ERL normative. Remove RL specification
- B. Make ERL normative, make RL specification informative
- A: 21. B: 10

# Study groups

- 100 Gb/s per Lane Electrical Study Group
  - [Consensus Presentation](#)
  - Intends to study AUI chip-to-chip and chip-to-module interfaces for existing PHYs, as well as 100 Gb/s per lane backplane and copper cable interfaces
- Next-generation 200 Gb/s and 400 Gb/s MMF PHYs Study Group
  - [Consensus Presentation](#)
  - Intends to investigate new MMF PHYs over fewer fiber pairs than existing standards and projects (e.g., WDM over wideband/OM5 fiber)

# Future IEEE 802.3 Meetings

Meeting	Location	Dates
IEEE 802.3 interim	Geneva, Switzerland	22-26 January 2018
IEEE 802 plenary	Rosemont, IL	4-9 March 2018
IEEE 802.3 interim	Pittsburgh, PA	21-25 May 2018
IEEE 802 plenary	San Diego, CA	9-12 July 2018
IEEE 802 interim	TBD	10-14 September 2018
IEEE 802 plenary	Bangkok, Thailand	12-15 November 2018

Upcoming meeting details at: <http://ieee802.org/3/interims/index.html>