

# IEEE 802.3 New Ethernet Applications (NEA) Ad Hoc Closing Report

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# IEEE 802.3 NEA Ad hoc

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## Ad Hoc Organization

John D'Ambrosia, IEEE 802.3 NEA Ad Hoc Chair

## Ad Hoc Web and Reflector Information

Home Page - [http://www.ieee802.org/3/ad\\_hoc/ngrates/index.html](http://www.ieee802.org/3/ad_hoc/ngrates/index.html)

Reflector Information –

[http://www.ieee802.org/3/ad\\_hoc/ngrates/reflector.html](http://www.ieee802.org/3/ad_hoc/ngrates/reflector.html)

Approved ICAID – [http://standards.ieee.org/about/sasb/iccom/IC15-005-02\\_New\\_Ethernet\\_Applications.pdf](http://standards.ieee.org/about/sasb/iccom/IC15-005-02_New_Ethernet_Applications.pdf)

## New Efforts Requested this Week

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1. Steve Carlson - Switch Latency in Industrial Networks
2. Frank Effenberger - Higher rate P2P Ethernets for optical access, including the features of single-fiber working, silent start, power saving, and management
3. Claudio DeSanti - Super-PON technologies: methods to scale fully passive optical access networks to longer reaches and to significantly higher numbers of subscribers
4. Mark Laubach - EPON 50G serial rate for 50Gb/s (1x50G) and 100Gb/s (2x50G) full duplex, symmetric, service rates.

# New Ethernet Applications

Report Date: 09 November 2017

- **Chair:** John D'Ambrosia, Futurewei, Subsidiary of Huawei
- **Participants:** >150 individuals during 2017
- **Procedures:** IEEE 802 LMSC Operations Manual, IEEE 802 P&P, IEEE 802.3 Operations Manual
  - **Progress Toward Deliverables:**
    - All meeting presentations and minutes may be found at webpage - [http://www.ieee802.org/3/ad\\_hoc/ngrates/public/index.html](http://www.ieee802.org/3/ad_hoc/ngrates/public/index.html)
    - Following Efforts led to formation of Study Group or approved PAR
    - Beyond 10km Optical PHYs, Study Group Formation July 2017
    - Pending – 10 Mb/s Backplane Ethernet – Merged into Single Pair Ethernet
    - Pending – 100GbE Beyond 10km Optical PHYs – Merged into existing Beyond 10km Optical PHYs
    - Pending – 100 Gb/s Electrical Interfaces and Electrical PHYs Study Group Formation Nov 2017
    - Pending – Next Gen MMF PMDs 200GbE / 400 GbE Study Group Formation Nov 2017
- **Timeline:** Topic Dependent
- **Future Meetings:** IEEE 802.3 Meetings (Jan 18, Mar 18, May 18, July 18, Sept 18, Nov 18). Teleconference calls, as needed.
- **Issues:** Program has been very successful.

# Questions?

# Thank you!