

IEEE 802.3 New Ethernet Applications (NEA) Ad Hoc Opening Report

Jon Lewis
Dell Technologies
Madrid, Spain
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IEEE 802.3 NEA Ad hoc

- Ad hoc Organization

Jon Lewis, IEEE 802.3 NEA Ad Hoc Chair

John D'Ambrosia, IEEE 802.3 NEA Ad Hoc Vice-Chair

- Ad hoc Web and Reflector Information

Home Page - http://www.ieee802.org/3/ad_hoc/ngrates/index.html

Reflector Information – http://www.ieee802.org/3/ad_hoc/ngrates/reflector.html

Approved ICAID – http://www.ieee802.org/3/ad_hoc/ngrates/IC15-005-802d3_NEA_ICAID_approved_051218.pdf

NEA Ad hoc Calls - https://www.ieee802.org/3/ad_hoc/ngrates/public/calls/index.html

Meetings

12 May 2025 interim - https://www.ieee802.org/3/ad_hoc/ngrates/public/25_05/index.html

Consensus Building for 200G/wavelength MMF optical PMDs CFI - Market Drivers

Also met 20 March & 17 July for consensus building

13 May 2025 interim - https://www.ieee802.org/3/ad_hoc/ngrates/public/25_05/index.html

– Consensus Building for Ethernet Metadata Services CFI

Also met 22 July 2025 for consensus building

“Ethernet for AI” Assessment

An assessment of "Ethernet Interconnect for AI" with an emphasis on beyond 200 Gb/s signaling.

Activity Chair – John D’Ambrosia

Website - https://www.ieee802.org/3/ad_hoc/E4AI/index.html

Reflector - https://www.ieee802.org/3/ad_hoc/E4AI/reflector.html

Meetings:

27 Mar 2025 Electronic Meeting - https://www.ieee802.org/3/ad_hoc/E4AI/public/25_0327/index.html

Liaison from OCP, 3 Presentations

30 Apr 2025 Electronic Meeting - https://www.ieee802.org/3/ad_hoc/E4AI/public/25_0430/index.html

6 Presentations including 3 channel data contributions

29 May 2025 Electronic Meeting - https://www.ieee802.org/3/ad_hoc/E4AI/public/25_0529/index.html

5 Presentations including 2 channel data contributions

24 Jun 2025 Electronic Meeting - https://www.ieee802.org/3/ad_hoc/E4AI/public/25_0624/index.html

4 Presentations, Including UALink Overview

High Level Summary:

Ongoing electrical and optical simulations comparing PAM4 / 6 / 8

Distinctive efforts emerging – 400 Gb/s electrical and optical development for 1/2/4 lanes, 3.2 TbE

Initial summary of findings to be presented @ next meeting - 19 August 2025 Electronic Meeting

This Week

- Not meeting this week.
- Will be requesting approval for a status report for ICCOM which is due prior to the September interim meeting series.
- Future meetings will be announced on the reflector and meeting coordinates will be posted on the [IEEE 802.3 Call and Meeting Calendar](#)

Questions?

Thank you!