

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

Jon Lewis  
Dell Technologies  
Montreal, Quebec Canada  
July 15, 2022

# 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](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://www.ieee802.org/3/ad\\_hoc/ngrates/IC15-005-802d3\\_NEA\\_ICAID\\_approved\\_051218.pdf](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](https://www.ieee802.org/3/ad_hoc/ngrates/public/calls/index.html)

# Activities this week

---

- Met Wednesday
  - ICAID renewal – WG Motion to renew ICAID
    - Changes since WG preview
    - ICAID: Added participants
    - Endorsement letter: removed member of IEEE staff from the “To List”
  - Discussion of joint 802.1 Nendica / 802.3 NEA Ad Hoc meetings
    - NEA has completed the scope of the charter by the 802.3 Working Group Chair with joint meetings with 802.1 Nendica.
    - If the cut-through proponents wish to change IEEE Std 802.3-2022 they need to follow the 802.3 process. The cut-through proponents may use the NEA for consensus building in preparation for a Call for Interest in the 802.3 Working Group (but are not required to utilize the NEA).
    - Other discussion is better suited for an architectural discussion and not the scope of the NEA.
    - Review NEA conclusion

# WG Motion

---

- IEEE 802.3 Working Group endorse the draft IEEE 802 Endorsement letter and Industry Connections New Ethernet Applications ICAID modification, which are both contained within <https://mentor.ieee.org/802-ec/dcn/22/ec-22-0122-01-00EC-802-endorsement-letter-and-icaid-new-ethernet-applications.pdf>. Submit to the IEEE 802 EC for endorsement.
- M: Jon Lewis
- S: John D'Ambrosia
- Procedural (> 50%)

## IEEE 802.3 NEA Conclusion from the joint NEA / 802.1 Nendica meetings on cut-through forwarding.

---

The IEEE 802.3 Ethernet Media Access Control (MAC) and MAC Client service interface specified in IEEE Std 802.3-2022 only supports store and forward operation and is unable to support cut-through operation. To provide cut-through capability, a new definition of the IEEE 802.3 MAC is required.

# Questions?

# Thank you!