IC15-005
NEW ETHERNET APPLICATIONS
TYPE: INDIVIDUAL REPORT DATE: 11 SEPTEMBER 2025

❑ Chair: Jon Lewis, Dell Technologies, other Affiliation

❑ Participants: : ~140 (Optional list of names)

❑ Procedures: IEEE 802 LMSC Operations Manual, IEEE 802 P&P, IEEE 802.3 Operations Manual

❑ Deliverables Listed in the Approved ICAID: (This section will be prepopulated by the Industry Connections Administrator. DO NOT MODIFY)

There will be multiple types of deliverables.

1. The first type of deliverable will be the records of the meetings, including minutes and supporting presentations.
2. The second type of output may be the creation of one or more consensus presentations that are used as the basis for one or more Call-for-Interests to study new areas.
3. A third possible type of deliverable may be the creation, as appropriate, of white papers documenting the findings of the IC activity.

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❑ **Status of Deliverables:**

- List the status and target completion date for each deliverable
- Provide % of completion per deliverable
- Provide a brief description of the % completed
- Provide links to documents referenced

1. The first type of deliverable will be the records of the meetings, including minutes and supporting presentations. - Records of all meetings (face-to-face and electronic) are available at https://www.ieee802.org/3/ad_hoc/ngrates/public/index.html and the records for the Ethernet for AI meetings are available at https://www.ieee802.org/3/ad_hoc/E4AI/index.html - 100% Complete

2. The second type of output may be the creation of one or more consensus presentations that are used as the basis for one or more Call-for-Interests (CFI) to study new areas. % Complete
   1. A new MII for the Future presentation which developed a CFI POPI (Pin Optimized PHY Interface) – 100% Complete
   2. 200G per wavelength Multimode Fiber optical PMDs – 100% Complete
   3. Ethernet Metadata Services – 100% Complete

3. A third possible type of deliverable may be the creation, as appropriate, of white papers documenting the findings of the IC activity. Ethernet for AI assessment. This includes work done for Future SMF Needs. - 40% Complete

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❑ **Additional Accomplishments:** <mark>Provide links</mark>

- Approval of the following Study Groups:
  - POPI - https://www.ieee802.org/3/POPI/index.html
  - Ethernet Metadata Services – <add URL>
  - 200G per wavelength Multimode Fiber optical PMDs - <add URL>
- Approval of the POPI PAR, CSDs and Objectives at the Sponsor Level

❑ **Future Meetings:** Schedule of upcoming meetings

❑ Meetings are scheduled as requested and meetings for all IEEE 802.3 are located on the call and meeting calendar: https://ieee802.org/3/calendar.html

❑ **Minutes:** Provide links where minutes are stored

❑ https://www.ieee802.org/3/ad_hoc/ngrates/public/index.html

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

❑ **Issues:** Any major issues to be addressed; Any areas where the IEEE-SA Industry Connections Committee (ICCom) might be able to help

❑ No major issues at this time. Currently IEEE 802.3 NEA work is focused on next generation Ethernet and consensus building is focusing on Ethernet for AI.