

Abstract: The attached slides are a draft response, prepared by Roger Marks, to the following email:

2022-04-07

Hi Roger:

I hope this email finds you well.

All IEEE Industry Connections Activities are required to submit a status report to the Industry Connections Committee (ICCom) at least once per year, and at other times as requested.

The annual status report for IEEE 802 Network Enhancements for the Next Decade is requested for the May 31, 2022 ICCom meeting.

The submission deadline for all documents to ICCom is May 13. However, we need your status report sooner than the submission deadline to have time for a round of edits before the deadline.

Please send me your status report on the attached status report template (updated with the current IEEE-SA branding) that has been customized for this Activity by April 29, 2022.

The report needs the following:

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

Thank you. Please contact me if you have any questions. Have a wonderful day.

With Warmest Regards,

Rosalinda Saravia

Program Manager, Industry Connections

IC17-001

IEEE 802 NETWORK ENHANCEMENTS FOR THE NEXT DECADE

- ❑ Chair: Roger Marks, Affiliation: EthAirNet Associates, Huawei
- ❑ Participants: 19 (averaged over 24 meetings conducted under IC17-001-03 (since 2021-09-20))
- ❑ Procedures:
 - IEEE 802 Policies & Procedures
 - IEEE 802 LMSC Operations Manual
 - IEEE 802 Working Group Policies & Procedures
 - IEEE 802 Nendica Report Development Process
<<https://1.ieee802.org/802-nendica/ieee-802-nendica-procedures>>
- ❑ Deliverables Listed in the Approved ICAID: (This section will be prepopulated by the Industry Connections Administrator. DO NOT MODIFY)

Deliverables will be of two types:

1. Records of the meetings, including minutes and supporting documents, some of which may be prepared for delivery to other venues for purposes such as encouraging interest and participation
2. A set of reports and other consensus outputs documenting the findings of the IC activity, with recommendations regarding overviews of current industry practice and trends, new standardization topics, documentation of use cases and user needs for those topics, and proposed organizational approaches to ensure effective participation from user communities

IC17-001

IEEE 802 NETWORK ENHANCEMENTS FOR THE NEXT DECADE

□ 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

Deliverables will be of two types:

1. Records of the meetings, including minutes and supporting documents, some of which may be prepared for delivery to other venues for purposes such as encouraging interest and participation - **100% Complete (fully caught up with reporting per meeting; more records to follow in relation to future meetings)**

2. A set of reports and other consensus outputs documenting the findings of the IC activity, with recommendations regarding overviews of current industry practice and trends, new standardization topics, documentation of use cases and user needs for those topics, and proposed organizational approaches to ensure effective participation from user communities - **50% Complete: Evolved Link Layer Architecture [ELLA] Report (outlined PAR for revision of IEEE Std 802, now an authorized project in 802.1 Working Group; considering plan for PAR for amendment of IEEE Std 802)**

IC17-001

IEEE 802 NETWORK ENHANCEMENTS FOR THE NEXT DECADE

□ **Additional Accomplishments:**

- Accomplishments beyond the expected deliverables
 - Vetting of new topics for IEEE 802.1 WG:
 - PFC headroom (led to draft PAR P802.1Qdt)
 - Pulsed Queuing: vetted and transitioned to 802.1 TSN Task Group
 - Source Flow Control: vetted and transitioned to 802.1 TSN Task Group
 - Cut-Through Forwarding: vetted and transitioned to 802.1 PAR Proposal
 - Joint meetings underway with 802.3 NEA ICA
 - Additional topics discussed:
 - Low Latency Ethernet
 - Open, Softwarized, Data-Driven 802 Networks
 - Elastic Ethernet Networking for Industry

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

□ <https://1.ieee802.org/802-nendica/nendica-meetings/>

- Weekly, Thursdays, 09:00-11:00 ET
- Additional, joint with New Ethernet Applications ICA (IC15-005)

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