IEEE 802.3 Working Group
Opening Plenary
11 November 2024

David Law
Chair, IEEE 802.3 Working Group
dlaw@hpe.com

Agenda, voter lists: http://www.ieee802.org/3/minutes/nov24/index.html

IEEE 802.3 Officers, Subgroup Chairs and Vice-Chairs

IEEE 802.3 Chair: David Law <dlaw@hpe.com>
IEEE 802.3 Vice Chair: Adam Healey <adam.healey@broadcom.com>
IEEE 802.3 Secretary: Jon Lewis <jon.lewis@dell.com>
IEEE 802.3 Executive Secretary: Chad Jones <cmjones@cisco.com>
IEEE 802.3 Treasurer: Valerie Maguire <vmaguire@ieee.org>

IEEE 802.3 Task Force chairs

IEEE P802.3da 10 Mb/s Single Pair Multidrop Segments Enhancement: Chad Jones <cmjones@cisco.com>
IEEE P802.3dg 100 Mb/s Long-Reach Single Pair Ethernet: George Zimmerman <george@cmephyconsulting.com>
IEEE P802.3dj 200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s Ethernet: John D'Ambrosia <jdambrosia@ieee.org>
IEEE P802.3dk Greater than 50 Gb/s Bidirectional Optical Access PHYs: Yuanqiu Luo <yuanqiu.luo@futurewei.com>
IEEE P802.3dm Asymmetrical Electrical Automotive Ethernet: Jon Lewis <jon.lewis@dell.com>
IEEE P802.3.1 (IEEE 802.3.1b) SMIv2 Data Models (Revision): Marek Hajduczenia <mxhajduczenia@gmail.com>
IEEE P802.3.2 (IEEE 802.3.2a) YANG Data Model (Revision): Marek Hajduczenia <mxhajduczenia@gmail.com>

IEEE 802.3 Study Group chair

IEEE 802.3 Ethernet Powering Cabling Restrictions: Chad Jones <cmjones@cisco.com>

IEEE 802.3 Task Force vice-chairs

IEEE P802.3dj 200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s Ethernet: Mark Nowell <mnowell@cisco.com>

General Decorum

- An officer is permitted to make an audio or slideshow recording of this meeting exclusively for the purpose of generating minutes which shall not be copied or distributed. **IEEE 802.3 meetings do not use this option.** Recording of the proceedings by any other participant or observer, in part or in whole, via any means, is prohibited. (February 2024 IEEE-SA Standards Board Operations Manual 5.3.3.2)
- Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (February 2024 IEEE-SA Standards Board Operations Manual 5.3.3.3)

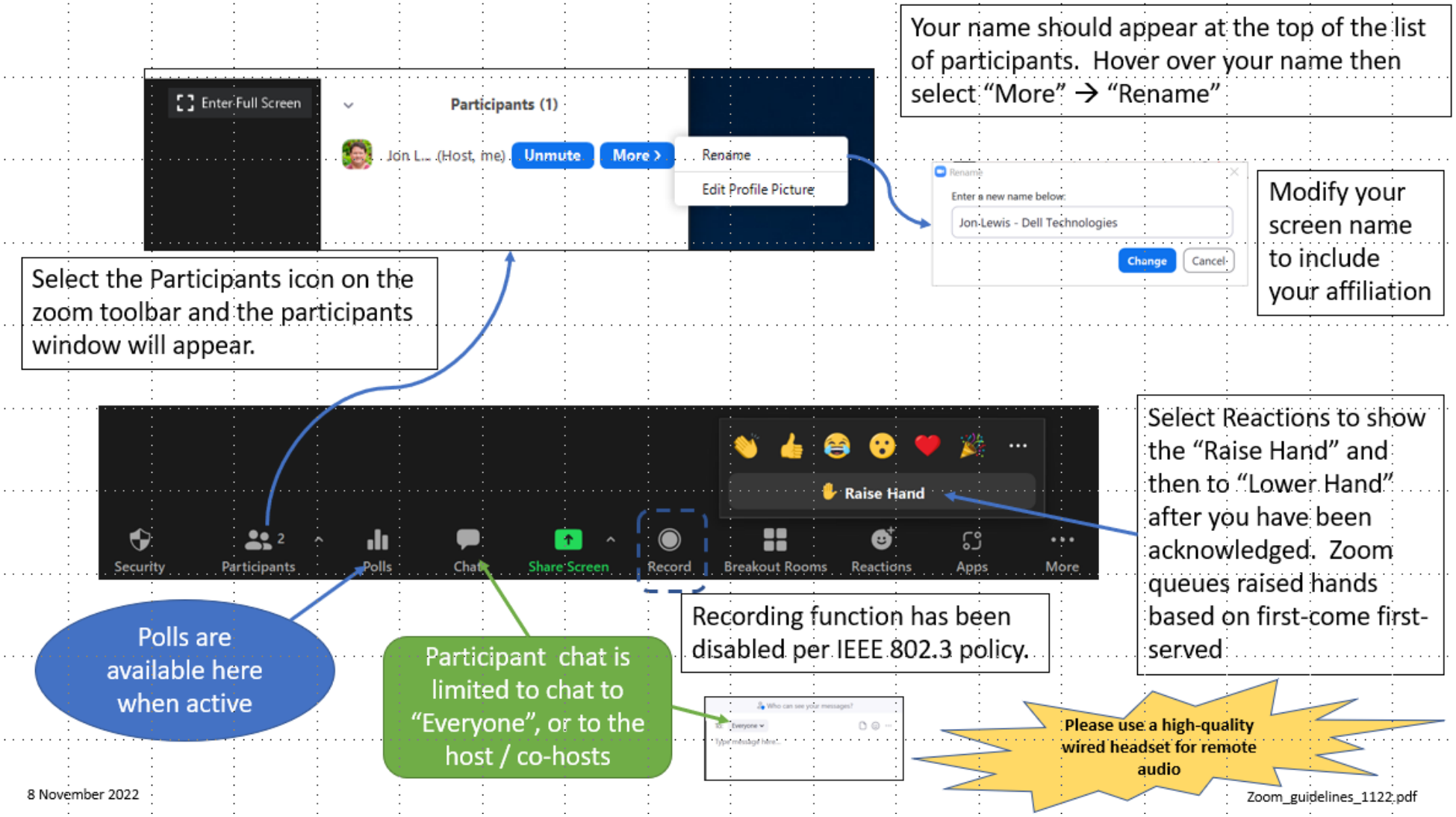
In-Person Decorum

- Cell phone ringers off
- Wear your badges at all times in meeting areas
  - Help the hotel security staff improve the general security of the meeting rooms
  - **PCs HAVE BEEN STOLEN** at previous meetings
  - **DO NOT** assume that meeting areas are secure
- Please sign into the teleconference **without audio and video**
- Please line up at the floor mic(s) to join the queue
- Please don’t speak from your seat—you won’t be heard on the teleconference
- Please observe proper decorum in meetings—no sidebar conversations

Teleconference Decorum

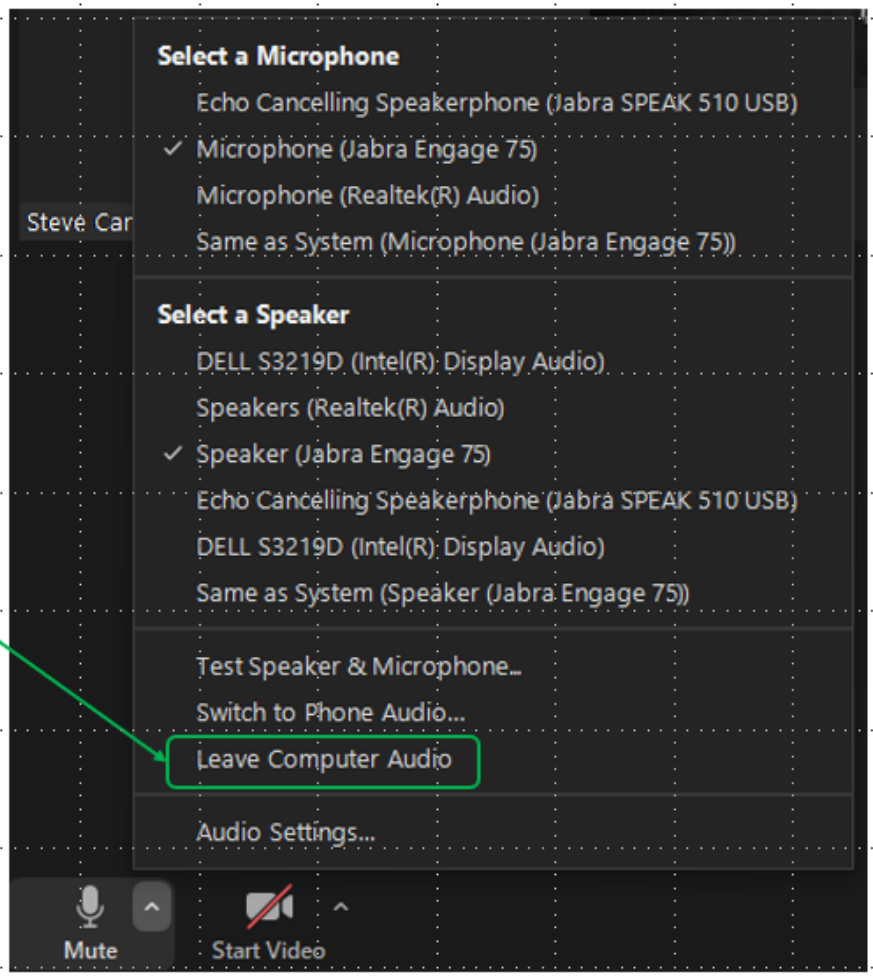
- Please **MUTE** unless called on
- Use the “**Raise Hand**” function to be placed into the queue
  - Don’t forget to lower your hand once recognized
- The chat can only send to “Everyone” or the WG officers
- Please observe proper decorum in meetings

IEEE 802.3 Working Group Zoom Guidelines



IEEE 802.3 Working Group Zoom Guidelines
In Person Audio

In-Person attendees please leave computer audio to avoid bandwidth challenges and the potential for audio feedback



8 November 2022

Zoom_guidelines_1122.pdf

Meeting registration fee

- This plenary session is subject to registration fee
  - Anybody that attends any meeting by any means (e.g., by teleconference or in person) held during this plenary session shall pay the meeting fee
  - Single fee allows you to attend all IEEE 802 meetings during the plenary session
- The registration fee is now 1000 USD with a 300 USD discount for attendees who stay at least 3 nights at the IEEE 802 Group Hotel, the Hyatt Regency Vancouver, Vancouver, BC, Canada
- The registration web site can be accessed at <https://cvent.me/eDZgoD>
- You will not need any code or special sign-in to attend the teleconferences
  - Attendance records will be compared with the paid registration list

Non-payment of registration fees

- If an individual is in arrears for a previous meeting:
  - The individual is not permitted to register for any future IEEE 802 Plenary or IEEE 802 Subgroup Interim (if registration is required)
  - As a result of the above, the individual is not permitted to attend any portion of a technical meeting that is part of an IEEE 802 plenary session. They are also not permitted to attend any portion of a technical meeting that is part of an IEEE 802 Subgroup Interim if that IEEE 802 Subgroup Interim required registration
  - Other sanctions include loss of all attendance credit, and the individual will need to regain membership voting rights as though they had never previously attended once they are no longer in arrears

Agenda and Minutes

- Approve agenda
  - https://ieee802.org/3/minutes/nov24/1124_agenda_open.pdf
  - Any modifications, additions or deletions?
- Approve July 2024 plenary minutes
  - https://ieee802.org/3/minutes/jul24/0724_minutes_draft.pdf
  - Any corrections, modifications, additions?
- Approve September 2024 interim minutes
  - https://ieee802.org/3/minutes/sep24/0924_minutes_draft.pdf
  - Any corrections, modifications, additions?

INSTRUCTIONS FOR THE WG CHAIR

The IEEE SA strongly recommends that at each WG meeting the chair or a designee:

- **Show slides 1 through 4 of this presentation**
- **Advise the WG attendees that:**
  - IEEE's patent policy is described in Clause 6 of the *IEEE SA Standards Board Bylaws*;
  - Early identification of patent claims which may be essential for the use of standards under development is strongly encouraged;
  - There may be Essential Patent Claims of which IEEE is not aware. Additionally, neither IEEE, the WG, nor the WG Chair can ensure the accuracy or completeness of any assurance or whether any such assurance is, in fact, of a Patent Claim that is essential for the use of the standard under development.
- **Instruct the WG Secretary to record in the minutes of the relevant WG meeting:**
  - That the foregoing information was provided and that slides 1 through 4 (and this slide 0, if applicable) were shown;
  - That the chair or designee provided an opportunity for participants to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) of which the participant is personally aware and that may be essential for the use of that standard
  - Any responses that were given, specifically the patent claim(s)/patent application claim(s) and/or the holder of the patent claim(s)/patent application claim(s) that were identified (if any) and by whom.
- The WG Chair shall ensure that a request is made to any identified holders of potential essential patent claim(s) to complete and submit a Letter of Assurance.
- It is recommended that the WG Chair review the guidance in *IEEE SA Standards Board Operations Manual* 6.3.5 and in FAQs 14 and 15 on inclusion of potential Essential Patent Claims by incorporation or by reference.

Note: **WG** includes Working Groups, Task Groups, and other standards-developing committees with a PAR approved by the IEEE SA Standards Board.

PARTICIPANTS HAVE A DUTY TO INFORM THE IEEE

- Participants shall inform the IEEE (or cause the IEEE to be informed) of the identity of each holder of any potential Essential Patent Claims of which they are personally aware if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents

- Participants should inform the IEEE (or cause the IEEE to be informed) of the identity of any other holders of potential Essential Patent Claims

Early identification of holders of potential Essential Patent Claims is encouraged

WAYS TO INFORM IEEE

- **Cause an LOA to be submitted to the IEEE SA (patcom@ieee.org); or**
- **Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or**
- **Speak up now and respond to this Call for Potentially Essential Patents**

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair

OTHER GUIDELINES FOR IEEE WORKING GROUP MEETINGS

- **All IEEE SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.**
  - **Don't discuss the interpretation, validity, or essentiality of patents/patent claims.**
  - **Don't discuss specific license rates, terms, or conditions.**
    - Relative costs of different technical approaches that include relative costs of patent licensing terms may be discussed in standards development meetings.
      - **Technical considerations remain the primary focus.**
  - **Don't discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.**
  - **Don't discuss the status or substance of ongoing or threatened litigation.**
  - **Don't be silent if inappropriate topics are discussed. Formally object to the discussion immediately.**

For more details, see *IEEE SA Standards Board Operations Manual*, clause 5.3.10 and *Antitrust and Competition Policy: What You Need to Know* at http://standards.ieee.org/develop/policies/antitrust.pdf

PATENT-RELATED INFORMATION

The patent policy and the procedures used to execute that policy are documented in the:

- ***IEEE SA Standards Board Bylaws*** (http://standards.ieee.org/develop/policies/bylaws/sect6-7.html#6)
- ***IEEE SA Standards Board Operations Manual*** (http://standards.ieee.org/develop/policies/opman/sect6.html#6.3)

Material about the patent policy is available at *http://standards.ieee.org/about/sasb/patcom/materials.html*

If you have questions, contact the IEEE SA Standards Board Patent Committee Administrator at patcom@ieee.org

INSTRUCTIONS FOR CHAIRS OF STANDARDS DEVELOPMENT ACTIVITIES

At the beginning of each standards development meeting the chair or a designee is to:

- Show the following slides (or provide them beforehand)
- Advise the standards development group participants that:
- IEEE SA's copyright policy is described in Clause 7 of the IEEE SA Standards Board Bylaws and Clause 6.1 of the IEEE SA Standards Board Operations Manual;
- Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy;
- Instruct the Secretary to record in the minutes of the relevant meeting:
- That the foregoing information was provided and that the copyright slides were shown (or provided beforehand).

IEEE SA COPYRIGHT POLICY

By participating in this activity, you agree to comply with the IEEE Code of Ethics, all applicable laws, and all IEEE policies and procedures including, but not limited to, the IEEE SA Copyright Policy.

- Previously Published material (copyright assertion indicated) shall not be presented/submitted to the Working Group nor incorporated into a Working Group draft unless permission is granted.
- Prior to presentation or submission, you shall notify the Working Group Chair of previously Published material and should assist the Chair in obtaining copyright permission acceptable to IEEE SA.
- For material that is not previously Published, IEEE is automatically granted a license to use any material that is presented or submitted.

IEEE SA COPYRIGHT POLICY

- The IEEE SA Copyright Policy is described in the IEEE SA Standards Board Bylaws and IEEE SA Standards Board Operations Manual
  - IEEE SA Copyright Policy, see
    Clause 7 of the IEEE SA Standards Board Bylaws
    https://standards.ieee.org/about/policies/bylaws/sect6-7.html#7
    Clause 6.1 of the IEEE SA Standards Board Operations Manual
    https://standards.ieee.org/about/policies/opman/sect6.html
- IEEE SA Copyright Permission
  - https://standards.ieee.org/content/dam/ieee-standards/standards/web/documents/other/permissionltrs.zip
- IEEE SA Copyright FAQs
  - http://standards.ieee.org/faqs/copyrights
- IEEE SA Best Practices for IEEE Standards Development
  - http://standards.ieee.org/content/dam/ieee-standards/standards/web/documents/other/best_practices_for_ieee_standards_development_051215.pdf
- Distribution of Draft Standards (see 6.1.3 of the SASB Operations Manual)
  - https://standards.ieee.org/about/policies/opman/sect6.html

Participant behavior in IEEE-SA activities is guided by the IEEE Codes of Ethics & Conduct

- All participants in IEEE-SA activities are expected to adhere to the core principles underlying the:
  - IEEE Code of Ethics
  - IEEE Code of Conduct
- The core principles of the IEEE Codes of Ethics & Conduct are to:
  - *Uphold the highest standards of integrity, responsible behavior, and ethical and professional conduct*
  - *Treat people fairly and with respect, to not engage in harassment, discrimination, or retaliation, and to protect people's privacy.*
  - *Avoid injuring others, their property, reputation, or employment by false or malicious action*
- The most recent versions of these Codes are available at http://www.ieee.org/about/corporate/governance

Participants in the IEEE-SA "*individual process*" shall act independently of others, including employers

- The IEEE-SA Standards Board Bylaws require that "*participants in the IEEE standards development individual process shall act based on their qualifications and experience*"
- This means participants:
  - **Shall act & vote** based on their personal & independent opinions derived from their expertise, knowledge, and qualifications
  - **Shall not act or vote** based on any obligation to or any direction from any other person or organization, including an employer or client, regardless of any external commitments, agreements, contracts, or orders
  - **Shall not direct** the actions or votes of other participants or retaliate against other participants for fulfilling their responsibility to act & vote based on their personal & independently developed opinions
- By participating in standards activities using the "*individual process*", you are deemed to accept these requirements; if you are unable to satisfy these requirements then you shall immediately cease any participation

IEEE-SA standards activities shall allow the fair & equitable consideration of all viewpoints

- The IEEE-SA Standards Board Bylaws (clause 5.2.1.3) specifies that "*the standards development process shall not be dominated by any single interest category, individual, or organization*"
  - This means no participant may exercise *"authority, leadership, or influence by reason of superior leverage, strength, or representation to the exclusion of fair and equitable consideration of other viewpoints"* or "*to hinder the progress of the standards development activity*"
- This rule applies equally to those participating in a standards development project and to that project's leadership group
- Any person who reasonably suspects that dominance is occurring in a standards development project is encouraged to bring the issue to the attention of the Standards Committee or the project's IEEE-SA Program Manager

Important Bylaws and Rules

- IEEE-SA Operations Manual
  - https://standards.ieee.org/about/policies/sa-opman/
- IEEE-SA Standards Board Bylaws
  - https://standards.ieee.org/about/policies/bylaws/
- IEEE-SA Standards Board Operations Manual
  - https://standards.ieee.org/about/policies/opman/
- IEEE 802 LAN/MAN Standards Committee (LMSC) Policies and Procedures
  - https://ieee.app.box.com/v/PandP-LMSC
- IEEE 802 LAN/MAN Standards Committee (LMSC) Operations Manual
  - http://www.ieee802.org/devdocs.shtml
- IEEE 802 LAN/MAN Standards Committee (LMSC) Working Group (WG) Policies and Procedures
  - http://www.ieee802.org/devdocs.shtml
- IEEE 802.3 Working Group Operating Rules
  - http://ieee802.org/3/rules/P802_3_rules.pdf

Membership and attendance recording
Membership requirements (gaining and retaining)

- Membership requirements (gaining)
  - Attendance in at least 75% of meeting slots at 2 of the last 4 plenary sessions
    - Attendance in at least 75% of meeting slots at recent IEEE 802.3 Ethernet Working Group or Task Group Interim Session may be substituted for one of the two Plenary Sessions
  - Attendance **in at least 75% of the meeting slot's duration** is required for that attendance to count towards gaining or maintaining voting membership
    - **You can only** claim IMAT attendance credit if you attend at least 75% of slot's duration
    - Officers may remove IMAT attendance credit if you attend less than 75% of slot's duration
  - Provide declaration of affiliation and valid contact information
  - Request to become member during potential voter agenda item at an IEEE 802.3 Ethernet Working Group opening or closing **plenary** meeting
- Membership requirements (retaining)
  - Continue to meet above attendance, contact, and affiliation requirements
  - Participate in **two** out of the last **three** Working Group Letter Ballot Series
- For more details see: https://www.ieee802.org/3/rules/member.html

Membership and attendance recording
Membership requirements (gaining and retaining)

- You must pay the meeting registration fee to receive meeting credit for this session
- You must attend IEEE 802.3 plenary on a day with an IEEE 802.3 plenary for credit
  - One slot with credit on Monday during the IEEE 802.3 Working Group opening plenary
  - Two slots in the morning and two slots in afternoon with credit on Tuesday and Wednesday
  - Two slots on Thursday with credit during the IEEE 802.3 Working Group closing plenary
- Attendance at nine or more (at least 75% of eleven) of these slots with credit is required for session attendance credit towards gaining and retaining membership
- The percentage reported by IMAT from May 2024 onwards is correct
  - You can only exceed 100% at an interim (IEEE 802.3 Working Group Interim is extra credit)
- IEEE 802.3 Attendance credit summary, July 2023 to September 2024
  - See <https://www.ieee802.org/3/minutes/nov24/1124_attendance_summary.pdf>
- IEEE 802.3 Member ballot return records
  - See <https://ieee802.org/3/ballots/ballot_returns.pdf>
- IEEE 802.3 and IEEE 802.1 are trailing reciprocal credit during this plenary session

Membership and attendance recording
Meeting attendance tool procedures

Jon Lewis

IEEE 802.3 Working Group Secretary

Jon.lewis@dell.com

Membership and attendance recording
Meeting attendance tool procedures

- The IEEE-SA Meeting Attendance Tool will be the basis of the official attendance record for this meeting: <http://imat.ieee.org>
- When you sign in for a meeting slot you are certifying that you are attending at least 75% of that meeting slot's duration
- Check that your affiliation (slide 24) and employer (slide 25) are correct per presentation below
- Full details of how to record attendance are available at the URL below: <https://ieee802.org/3/minutes/jul24/0724_imat.pdf>

Membership and attendance recording
Review of membership

- IEEE 802.3 voters
  - http://www.ieee802.org/3/minutes/nov24/1124_voters.pdf
- IEEE 802.3 voters in peril
  - http://www.ieee802.org/3/minutes/nov24/1124_peril.pdf
- IEEE 802.3 potential voters
  - http://www.ieee802.org/3/minutes/nov24/1124_potential.pdf

IEEE 802.3 Ethernet Working Group
Treasury Report

Valerie Maguire, IEEE 802.3 Treasurer

Copperopolis

Vancouver, BC, CAN

November 11, 2024

IEEE 802.3 Ethernet Working Group
Treasury Report

- Account balance
  - Opening Jul 2024 balance: $12,802.53
  - Deposits: (0.00)
  - Interest paid: $171.15
  - Debits: (0.00)
  - Closing Oct 2024 balance: $12,973.68

Questions?

Thank you!

IEEE 802 LMSC report
Highlight

Elizabeth Kochuparambil appointed IEEE 802 LMSC Associate Recording Secretary member emeritus

IEEE 802 LMSC report
Cross-IEEE 802 topics and IEEE 802 meetings

IEEE 802 LMSC Opening Meeting	08h00 - 10h15	Monday
IEEE 802 LMSC Rules	19h30 - 21h30	Monday
IEEE 802 LMSC History Ad Hoc	12h00 - 13h00	Tuesday
IEEE 802/JTC1 standing committee	16h00 - 18h00	Tuesday
IEEE 802/ITU standing committee	16h00 - 18h00	Wednesday
IEEE 802 LMSC Next Venue Resource Review	07h30 - 08h30	Thursday
IEEE 802 LMSC Future Venues Ad Hoc	08h00 - 09h00	Thursday
IEEE 802 LMSC Closing Meeting	13h00 - 18h00	Friday

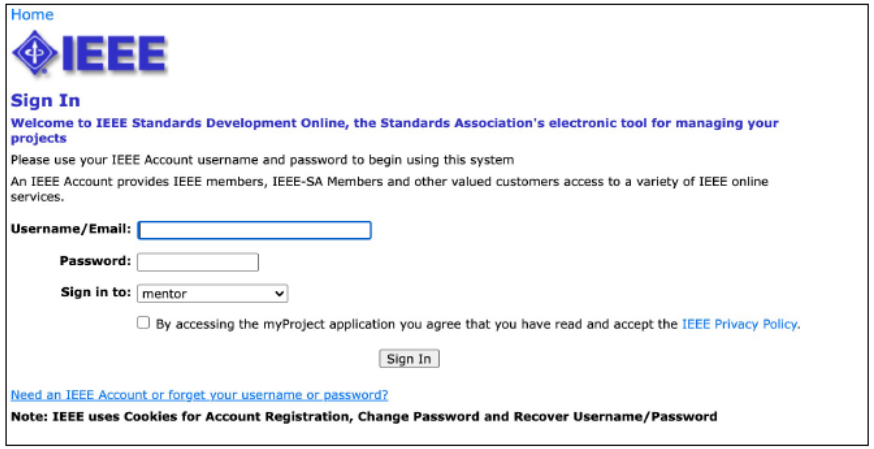
Note: all times and days are in the physical meeting time zone (PST)

See https://calendar.google.com/calendar/u/0/embed?src=b1i61797rqce8ks5fd9fi7k2nc@group.calendar.google.com&ctz=UTC

Please see https://mentor.ieee.org/802-ec/dcn/24/ec-24-0029-00-00EC-for-wgs-accessing-802-emedia.pdf

Accessing the eMedia

- During the IEEE 802 Plenary, the IEEE 802 plenary registered participant will receive an email to access the IEEE 802 eMedia and will be directed to the License Agreement
- The user must agree to the terms in order to proceed by clicking on “Agree and Proceed to Download”
- After clicking the link, the user will be directed to login to mentor (only users that registered for the 802 Plenaries will be able to login to access the file)

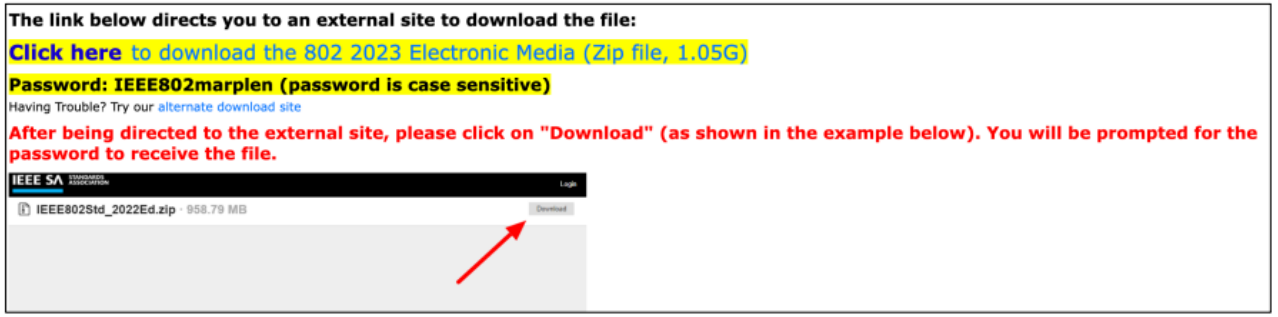


IEEE 802

Please see https://mentor.ieee.org/802-ec/dcn/24/ec-24-0029-00-00EC-for-wgs-accessing-802-emedia.pdf

Accessing the eMedia (contd…)

- The user will be directed to the link to download the file, along with instructions



- Once the user clicks on “Click here”, they will be prompted to enter a password to download the file (found directly below the link)
  - The password must be typed in (it cannot be copied and pasted)
  - The password can be found directly below the link
- In case of any issues, please contact Jodi Haasz (j.haasz@ieee.org) or Christy Bahn (c.bahn@ieee.org)
- **The 802 eMedia will only be available for download during the 802 Plenary week.**

IEEE 802 LMSC Page 3

Other IEEE 802 LMSC PARs under consideration at this plenary session

Revision PARs:

- IEEE P802.1CB Frame Replication and Elimination for Reliability
- IEEE P802.16 Air Interface for Broadband Wireless Access Systems

Amendment PARs:

- IEEE P802.1CBec Guidance for Sequence Recovery Function Parameter Configuration
- IEEE P802.11bq Enhancements for Integrated mmWave (IMMW) WLAN

Liaisons

Liaison letters

External Liaison letters (old)

- ITU-T SG15: Access Network Transport (ANT) and Home Network Transport (HNT) Standards Overviews and Work Plans
- ITU-T SG15: Access Network Transport (ANT) Standards Overview and Work Plan
- ITU-T SG15: Home Network Transport (HNT) Standards Overview and Work Plan
- ITU-T SG15: OTNT Standardization Work Plan Issue 34
  - Reply out of the March 2025 IEEE 802.3 plenary session

External Liaison letters (new)

- ASA: Motion Link specification 2.0 to IEEE 802.3dm
  - IEEE P802.3dm Asymmetrical Electrical Automotive Ethernet Task Force
- ITU-T SG 9: DOCSIS-related work items in ITU-T SG9
  - No reply required
- Ultra Accelerator Link Consortium: Introduction and request for liaison relationship
  - IEEE P802.3dj 200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s Ethernet Task Force

Assigned group or individual to review letter and make a recommendation at the IEEE 802.3 closing plenary if there should be a reply, and if so, propose a draft reply

Liaison reports

ISO/IEC SC25/WG3 Customer Premises Cabling report

TIA TR-42 Telecommunications Cabling Systems

Please record your attendance in IMAT

https://imat.ieee.org/my-site/home

Continuing Agenda ...

DirectVote Live URL

https://vote.directvotelive.net/login.aspx?o=223