

Agenda and General Information

IEEE 802.3

Channel Operating Margin (COM) Ad Hoc

Kent Lusted, Synopsys
Chair, Ad Hoc

15 May 2025

May 2025 Interim Reminders

- **Participation in the IEEE 802.3 Interim meeting (face-to-face or remote) requires registration and payment of registration fee.**
 - This meeting counts towards IEEE 802.3 Working Group voting membership.
- **When Entering Zoom/Webex Session**
 - Please make sure you have your full name and affiliation (in English Characters) noted in the Participants List when entering the meeting
 - To Change – Right click on name in participants list – Click on Rename – Pop up window shows – enter info there – Hit Change
 - **Failure to have your full name and affiliation (in English Characters) will result in you being expelled from call in accordance with 802.3 Rules**
- If you are not eligible to sign in to IMAT to claim attendance credit – For example - you are not going to attend for 75% of the meeting and have not provided your name and affiliation through [Zoom|WebEx]
 - Please send an email to John D'Ambrosia / Kent Lusted to be recorded in the minutes as an attendee.

Non-Payment of Registration Fees

- **Every attendee (Face-to-Face or Remote) at any IEEE 802.3 meeting during the May 2025 IEEE 802.3 Interim must register and pay a fee to participate**
- If the individual is in arrears:
 - [1] The individual is not permitted to register for any future IEEE 802 Plenary or IEEE 802 Subgroup Interim (if registration is required).
 - [2] As a result of [1], 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.

Agenda

- Approve Agenda
- Approve prior meeting minutes
- Review IEEE SA Policies (<http://ieee802.org/3/policies.html> / included)
 - IEEE SA Patent Policy
 - IEEE SA Copyright Policy
 - IEEE SA Participation Policy and Code of Ethics
- Presentations/Discussion/ Straw Polls
 - see slide 10
- Future Meetings

Sign into IMAT to record meeting attendance

IEEE 802.3 COM Ad Hoc

- Ad Hoc Organization
 - Kent Lusted, IEEE 802.3 COM Ad Hoc Chair
- Ad Hoc Web and Reflector Information
 - Home Page – https://www.ieee802.org/3/ad_hoc/COM/
 - Reflector Information – https://www.ieee802.org/3/ad_hoc/COM/reflector.html
 - Ad hoc reflector: stds-802-3-com@listserv.ieee.org
 - COM Ad Hoc Calls – see [IEEE 802.3 Call and Meeting Calendar](#)

Attendance

- Tutorial Material on attendance tool
 - http://ieee802.org/3/minutes/attendance_procedures.pdf
- Access details
 - URL: <http://imat.ieee.org/>
 - No Password

Ad Hoc 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. (January 2020 IEEE-SA Standards Board Ops Manual 5.3.3.2)
- Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (January 2020 IEEE-SA Standards Board Ops Manual 5.3.3.3)
- Cell phone ringers off
- Please observe proper decorum in meetings
- Please mute your self when not speaking
- Please turn video off

Ground Rules

- Based upon IEEE 802.3 Rules
 - Foundation based upon Robert's Rules of Order
 - Anyone in the room may speak
 - Anyone in the room may vote
- **RESPECT**... give it, get it
- NO product pitches
- NO corporate pitches
- NO prices!!!
 - This includes costs, ASPs, etc. no matter what the currency
- NO restrictive notices

Review of IEEE SA Policies

- Policies
 - Pre-PAR Patent Policy (slides 17)
 - Copyright Policy (slides 19-20)
 - Participation (slides 21-23)
- See Backup for slides
- Latest policies available at <https://www.ieee802.org/3/policies.html>

Presentations

- Presentations/Contributions
 - “Setting up Git Repository for 802-COM”, Adam Gregory
 - “Contributing to 802-COM by creating Feature Branches and Merging”, Adam Gregory
 - “Request 4p8_7: SNDR (REF) commit request”, Rich Mellitz
 - “Request 4p8_8: SNR MDNEXT commit request”, Rich Mellitz
 - “Request 4p8_3: Correction to Calculation of ‘g_an’, Scale Factor for Added Noise”, Hossein Shakiba
 - “Request 4p8_4: Adding an Independent Parameter in COM Configuration for the Receiver Impairment Target”, Hossein Shakiba
 - “Request 4p8_5: Improving COM Simulation Run Time in the Presence of Quantization Noise”, Hossein Shakiba”
 - “Request 4p8_6: Optimize FOM Reduction”, Adam Gregory
 - “Request 4p8_9: MMSE FOM Speed Up commit request “, Adam Gregory
 - “Channel Operating Margin (COM) Code Commit Request Summary – 15 May 2025”, Kent Lusted

Note: Order subject to change

Voting

- As an ad hoc, no decisions (i.e. motions) will be made but it is possible to conduct straw polls to test the group's consensus on certain topics.
 -
- Anyone on the call that feels qualified may vote on a straw poll

Future Meetings

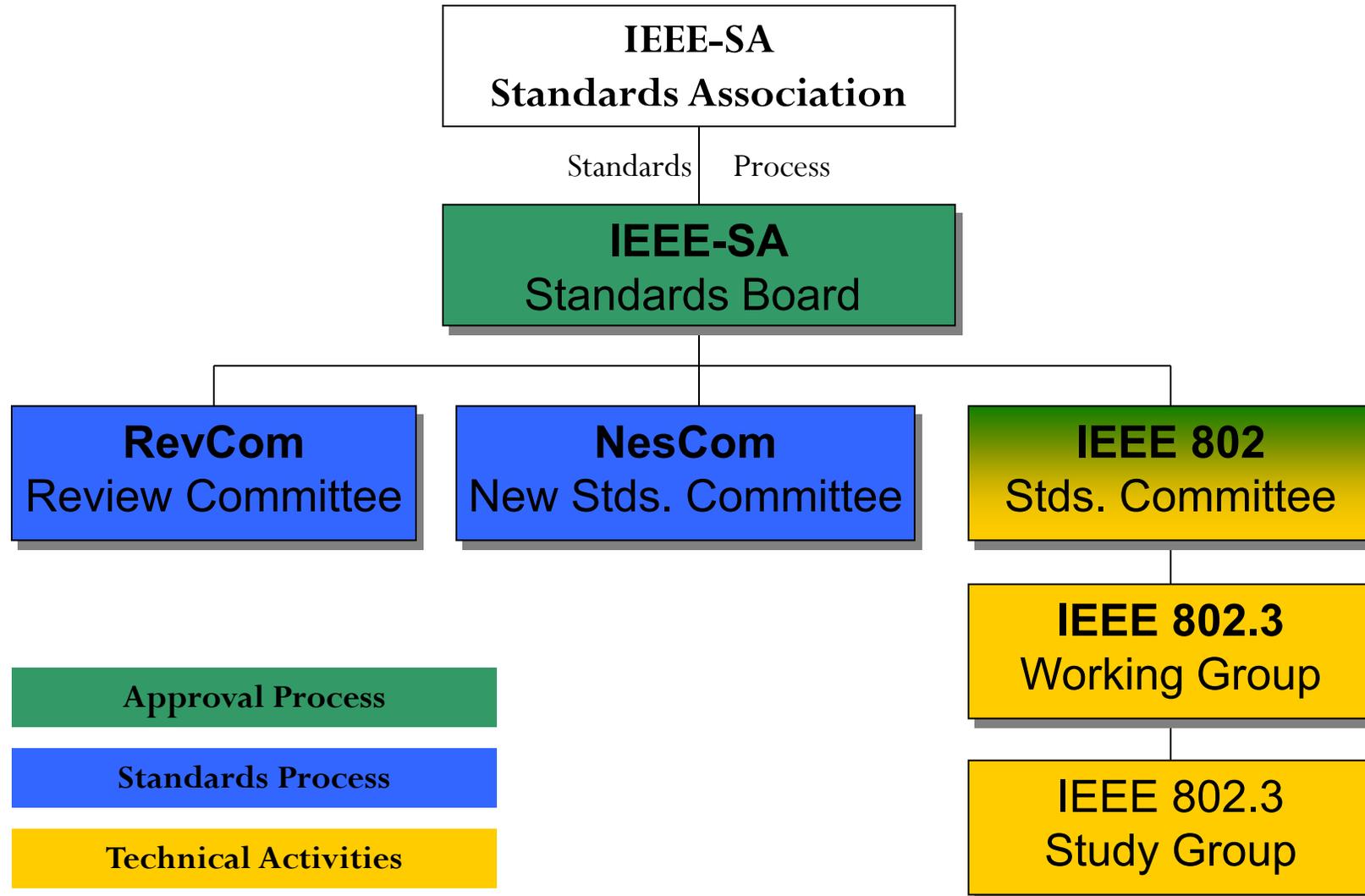
- See <https://www.ieee802.org/3/calendar.html>
- To Be Announced

Thank You!

Attendance

- Tutorial Material on attendance tool
 - http://ieee802.org/3/minutes/attendance_procedures.pdf
- Access details
 - URL: <http://imat.ieee.org/>
 - No Password

IEEE Structure



Important Bylaws and Rules

- **IEEE-SA Operations Manual**
http://standards.ieee.org/develop/policies/sa_opman/
- **IEEE-SA Standards Board Bylaws**
<http://standards.ieee.org/develop/policies/bylaws/>
- **IEEE-SA Standards Board Operations Manual**
<http://standards.ieee.org/develop/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

GUIDELINES FOR IEEE SA 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>

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.html/>
- IEEE SA Best Practices for IEEE Standards Development
 - http://standards.ieee.org/develop/policies/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