

# IEEE 802.3 NEA Ad hoc Teleconference Meeting, 14 Sept 2020

- IMAT will be used for attendance. Please sign-in.
- Draft Agenda
  - Approve agenda
  - Approval of minutes -
    - 8/24 Ad hoc Teleconference -  
[https://www.ieee802.org/3/ad\\_hoc/ngrates/public/calls/20\\_0824/minutes\\_nea\\_200824\\_unapproved.pdf](https://www.ieee802.org/3/ad_hoc/ngrates/public/calls/20_0824/minutes_nea_200824_unapproved.pdf)
  - Review IEEE Policies (<http://ieee802.org/3/policies.html>)
    - IEEE SA Participation Policy
    - IEEE SA Pre-PAR Patent Policy
    - IEEE SA Copyright Policy
  - Presentations
    - Beyond 400 GbE CFI Consensus
      - PAM4 DSP Architecture Advances for Beyond 400 GbE – Ilya Lyubomirsky
      - Update to “Beyond 400GbE Call-For-Interest” Consensus Deck – John D’Ambrosia
  - Backup includes NEA Ad hoc General Information

# IEEE 802.3 NEA Ad hoc General Information

# IEEE 802.3 NEA Ad Hoc Information

- Ad Hoc Officers
  - John D'Ambrosia, IEEE 802.3 NEA Ad Hoc Chair
  - Jon Lewis, IEEE 802.3 NEA Ad Hoc Vice-Chair
- 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://standards.ieee.org/about/sasb/iccom/IC15-005-02\\_New\\_Ethernet\\_Applications.pdf](http://standards.ieee.org/about/sasb/iccom/IC15-005-02_New_Ethernet_Applications.pdf)

# 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

# Important Bylaws, Rules, and References

- IEEE-SA Operations Manual  
[http://standards.ieee.org/develop/policies/sa\\_opman/](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](http://ieee802.org/3/rules/P802_3_rules.pdf)
- “Promoting Competition and Innovation: What You Need to Know about the IEEE Standards Association's Antitrust and Competition Policy”  
<http://standards.ieee.org/develop/policies/antitrust.pdf>

# Key Aspects of IEEE 802.3 NEA Ad Hoc

- Goals
  - Assess emerging requirements
  - identify gaps not currently addressed by IEEE 802.3 standards
  - Facilitate building industry consensus
- Note
  - Any individual with an in-scope activity can leverage this ad hoc. Contact ad hoc chair.
  - Does not supersede any existing rules or processes

# IEEE 802.3 NEA Ad Hoc Output

- Multiple types of deliverables –
  - Will provide records of the meetings, including minutes and supporting presentations.
  - 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.
  - May be the creation, as appropriate, of white papers documenting the findings of the IC activity.
- Groups need to provide guidance on their proposed output

# Requesting CFIs

- [IEEE 802.3 Ethernet Working Group Operations Manual](#), See Subclause 4.2
  - A SG is formed when enough interest has been identified for a particular area of study within the scope of the WG. The first step in the process is a call for interest. This can be made at the WG opening plenary by any member. Any request to make a call for interest shall be made to the WG Chair. This request shall be made at least 35 days in advance of the start of the WG plenary. A SG can then be initiated by vote of the WG and must be approved by the LMSC EC. During this approval process the LMSC EC decides whether a SG is within the scope of the WG, should be moved to another Working Group or should be set up as an Executive Committee Study Group (ECSG).
- Translation:
  - Requests must be made by 802.3 Members, i.e. voting members, to the 802.3 WG Chair
  - Requests must be made 35 days in advance of the start of the WG Plenary (suggest using Sunday at start of Plenary week)
  - Approved by the 802.3 WG and then by the 802 EC
- **CONSENSUS BUILDING IS KEY**

# IEEE SA Participation Slides

# 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

# IEEE SA Pre-PAR Patent Policy

# 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, including licensing costs of essential patent claims, of different technical approaches may be discussed in standards development meetings.
  - ▣ Technical considerations remain 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... do formally object.**

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If you have questions, contact the IEEE-SA Standards Board Patent Committee Administrator at [patcom@ieee.org](mailto:patcom@ieee.org) or visit <http://standards.ieee.org/about/sasb/patcom/index.html>

See *IEEE-SA Standards Board Operations Manual*, clause 5.3.10 and “Promoting Competition and Innovation: What You Need to Know about the IEEE Standards Association’s Antitrust and Competition Policy” for more details.

This slide set is available  
at <https://development.standards.ieee.org/myproject/Public/mytools/mob/preparslides.ppt>

# IEEE SA COPYRIGHT POLICY

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NOVEMBER 2019

# INSTRUCTIONS FOR CHAIRS OF STANDARDS DEVELOPMENT ACTIVITIES

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**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

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**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](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>