

Meeting Reminders:

1. Participation in the Annex 178B Ad hoc meeting does not **require** registration or payment of registration fee. This meeting does not count towards IEEE 802.3 Working Group voting membership
 - a) IMAT will be used for meeting attendance.
2. 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 do so will result in you being expelled from call in accordance with 802.3 Rules

Agenda and General Information

IEEE P802.3dj Annex 178B Ad hoc

29 Oct 2025 Electronic Meeting

**John D'Ambrosia,
Chair, IEEE P802.3dj Annex 178B
Futurewei, U.S. Subsidiary of Huawei**



3DJ

Agenda

- Approve Agenda
- Decorum (General / Teleconference)
- Goals For the Meeting
- “Annex 178B” Ad Hoc Formation
- Task Force Project Information
- Review IEEE SA Policies (<http://ieee802.org/3/policies.html> / included) *
- Presentations
 - Path Startup Example #3, Jeff Slavick
- Closing Business

* Note – additional slides covering procedures and IEEE-SA Policies are in Backup

General Decorum

- An officer of the Working Group or one of its subgroups, unless prohibited by the P & P of the Standards Committee or Working Group, is permitted to record the proceedings of an IEEE standards development meeting for which they are responsible by making an audio or slideshow recording or by producing a transcript using software or an artificial intelligence (AI) application approved by IEEE. 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. Software or AI shall not be used if it enables persons other than the officer making the recording or authorized Standards Department staff to initiate or obtain the transcription or recording. (March 2025 IEEE-SA Standards Board Operations Manual 5.3.3.2)
- Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (March 2025 IEEE-SA Standards Board Operations Manual 5.3.3.3)

Teleconference Decorum



- Please MUTE unless called on
- **Please do not turn video on**
 - The chat window is used to be placed into the queue.
 - The chat can only send to “Everyone” or the officers
 - **Please observe proper decorum in meetings**

Goals for the Session

■ Technical Presentation – Path Startup

“Annex 178B” Ad Hoc Formation

- **Formerly described as “ILT” Ad hoc**
- **Chair: John D’Ambrosia**
 - **Note – The name of the charter has been selected to not reflect any terminology from IEEE P802.3dj D2.0.**
- **Charter: IEEE P802.3dj Annex 178B and other dependent clauses and annexes, defines an architecture, behaviors, and specifications, collectively referred to as “Inter-Sublayer Training” (ILT). This ad hoc is chartered to foster development of recommendations related to refinement of ILT in terms of architecture, terminology, specifications, behaviors, and related updates to the draft.**

IEEE P802.3dj Task Force Project information

■ Organization

- John D'Ambrosia, Chair, IEEE P802.3dj Task Force
- Mark Nowell, Vice-Chair, IEEE P802.3dj Task Force; Chair, Optics Track
- Kent Lusted, Secretary, Chair, Electrical Track
- Gary Nicholl, Chair, Architecture and Logic Track
- Matt Brown, IEEE P802.3dj Chief Editor

▪ Task force web and reflector information:

- Home page: [IEEE P802.3dj Public \(ieee802.org\)](https://www.ieee802.org/3/dj/public/index.html)
- Reflector Info - <https://www.ieee802.org/3/df/reflector.html>
 - TF Reflector: stds-802-3-b400g@listserv.ieee.org
 - Logic Reflector: stds-802-3-b400g-logic@listserv.ieee.org
 - Optical Reflector: stds-802-3-b400g-optx@listserv.ieee.org
 - Electrical Reflector: stds-802-3-b400g-elec@listserv.ieee.org
 - Annex 178B Reflector: stds-802-3-b400g-178b@listserv.ieee.org

▪ Project Documentation –

- PAR : https://www.ieee802.org/3/dj/projdoc/P802d3dj_PAR.pdf
- CSD: <https://mentor.ieee.org/802-ec/dcn/22/ec-22-0256-00-ACSD-p802-3dj.pdf>
- Objectives: https://www.ieee802.org/3/dj/projdoc/objectives_P802d3dj_240314.pdf
- Adopted Timeline: https://www.ieee802.org/3/dj/projdoc/timeline_3dj_241114.pdf

▪ P802.3dj TF meeting information may be found on:

- Public page: <https://www.ieee802.org/3/dj/public/index.html>
- 802.3 Calendar: <https://www.ieee802.org/3/calendar.html>

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Review of IEEE SA Policies

- Email (<https://www.ieee802.org/3/dj/email/178b/msg00021.html>) sent to Task Force Reflector reminding all to review and be familiar with following policies:
 - IEEE SA Patent Policy
 - IEEE SA Copyright Policy
 - IEEE SA Participation Slides
- See Backup for slides or <http://ieee802.org/3/policies.html>.

Future Meetings

IEEE 802.3: <https://www.ieee802.org/3/interims/index.html>

IEEE P802.3dj: <https://www.ieee802.org/3/dj/public/index.html>

- IEEE 802 Nov 2025 Plenary
 - Week of Nov 10-14
 - Bangkok, Thailand
- Future ad hoc meetings to be announced

THANK YOU!



IEEE SA POLICIES

IEEE SA PATENT POLICY

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.

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■ 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**

IEEE SA COPYRIGHT POLICY

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>

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