

DRAFT Agenda & General Information

IEEE 802.3 PLCA Enhancement Study Group

IEEE 802.3 September 2026 Interim Session
Lisbon, Portugal

Edited by: Yong Kim, Chair Pro Tem

Meeting Registration fees

- Every attendee (Face-to-Face or Remote) at any IEEE 802 meeting during the September 2026 IEEE 802.3 Interim must register and pay a fee to participate.

If the individual is in arrears (non-payment of fees):

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.

Draft Agenda

- Appointment of Recording Secretary
- ~~Confirmation of Pro Tem Chair or Vote for a New Chair (deferred)~~
- Approve Agenda
- Decorum Reminders
- Reflector and Web
- Ground Rules
- IEEE
 - Structure, Bylaws and Rules
 - ~~Call for Patents~~ (not required for a study group).
 - IEEE Standards Process
- Goals for this meeting & Next Steps
- Presentations
- Future Meetings

General Decorum

- An officer of the Standards Committee or any 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.
 - See subclause 5.3.3.2 of the January 2026 IEEE-SA Standards Board Operations Manual
- If a member of the press (i.e., anyone reporting publicly on this meeting) attends a standards development meeting, they shall either inform the chair before the meeting or at the beginning of the meeting of their attendance. The chair shall then announce the presence of the press in attendance at the meeting.
 - See subclause 5.3.3.3 of the January 2026 IEEE-SA Standards Board Operations Manual

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

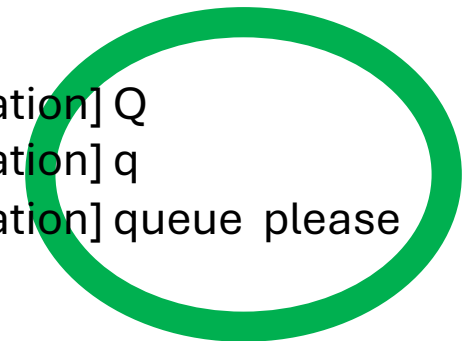


Teleconference Decorum

- Please **MUTE** unless called on (e.g. recognized, quick poll “does anyone object to...”, etc).
- Verify your attendee name contains [first name] [last name] [affiliation] – order is not important.
 - e.g. john doe – company; Doe, John [company]; Company – John Doe; etc. any and all are acceptable.
John (just a name); John Doe (first and last without affiliation); Doe – company (last name and affiliation), etc are not acceptable. Attendee with one word legal name may use [name] [affiliation].
- Use the “**Chat**” function to be placed into the queue. (“Q” is sufficient, don’t use “raised hand”).
- The chat can only send to “Everyone” or the officers (typically “meeting host”).
- Please observe proper general decorum listed on the previous slide in meetings



[attendee, affiliation] Q
[attendee, affiliation] q
[attendee, affiliation] queue please



IEEE 802 Decorum Guidance

- IEEE 802 “[Decorum Guidance](https://mentor.ieee.org/802-lmsc/dcn/26/lmsc-26-0015-06-0PNP-decorum-guidance.docx)” @
<https://mentor.ieee.org/802-lmsc/dcn/26/lmsc-26-0015-06-0PNP-decorum-guidance.docx>
- This document provides guidance on addressing any decorum issues that may come up, and will be leveraged, if the need arises, accordingly.

IEEE 802.3 PLCA Enhancement SG Information

- Organization
 - Yong Kim, Chair Pro Tem
 - <name>, Vice Chair Pro Tem
 - <name>, Recording Secretary
- Study Group Web and Reflector Information
 - Home Page: <https://www.ieee802.org/3/EPLCA/index.html>
 - Reflector Info: stds-802-3-eplca@listserv.ieee.org
- Project Documentations
 - When available, it will be found here:
<https://www.ieee802.org/3/EPLCA/index.html>

PLCA Enhancement Study Group Reflector

- Send an email from preferred email account to subscribe to listserv@ieee.org,
with the following text in the **body** of the message:

**subscribe stds-802-3-eplca <your firstname> <your last name>
end**

Note: Do not include “<“ or ”>” in the above subscribe command.

Also email subject is not parsed. Put whatever or leave it blank. you will get a confirmation from listserv@ieee.org that you successfully joined the group.

- After you joined the reflector, you could then send PLCA Enhancement Study Group reflector message to: stds-802-3-eplca@listserv.ieee.org

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 (study group & task forces)
- **RESPECT**... give it, get it
- NO product pitches
- NO corporate pitches
- NO prices!!!
 - This includes costs, ASPs (Average Selling Price), etc. no matter what the currency
- NO restrictive notices

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

Voting (mixed mode = electronic meeting)

- Reference: Excerpt from Section 3.4 & 4.4, [IEEE 802.3 Operations Manual](#),
- (4.4) Study groups follow the operating procedures for Task Forces specified above with the following exceptions...
 - (4.4.1) “Any person attending a Study Group meeting may participate in SG discussions, make motions and vote on all motions (including recommending approval of a PAR and five criteria) if the person feels qualified to do so”
- (in TF procedures, 3.4.2) “In all cases, regardless of any membership rules that may or may not be in force, all participants who feel qualified may participate in a straw poll.”

Voting Membership (Gaining, 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**
 - Note – Claiming IMAT attendance credit if you have not attended at least 75% of a slot's duration is not in accordance with IEEE Policies and Procedures, and is a violation of the IEEE Code of Conduct
 - 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): <https://www.ieee802.org/3/rules/member.html>

Attendance

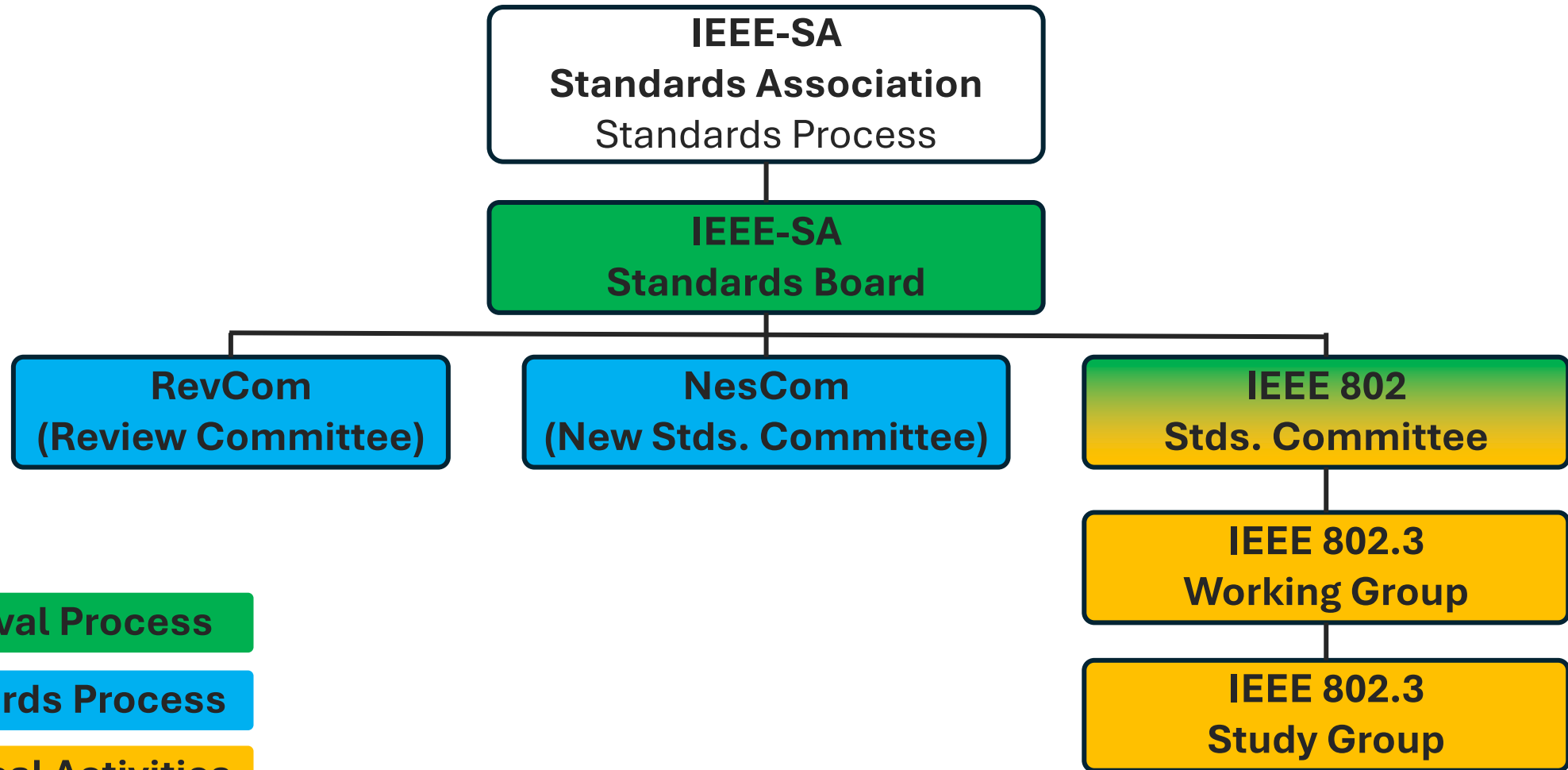
- IMAT (IEEE Meeting Attendance Tool) Access details
 - URL: <http://imat.ieee.org/>
 - No password associated with meeting attendance.
- Tutorial Material on attendance tool
 - http://ieee802.org/3/minutes/attendance_procedures.pdf

IEEE SA Policies

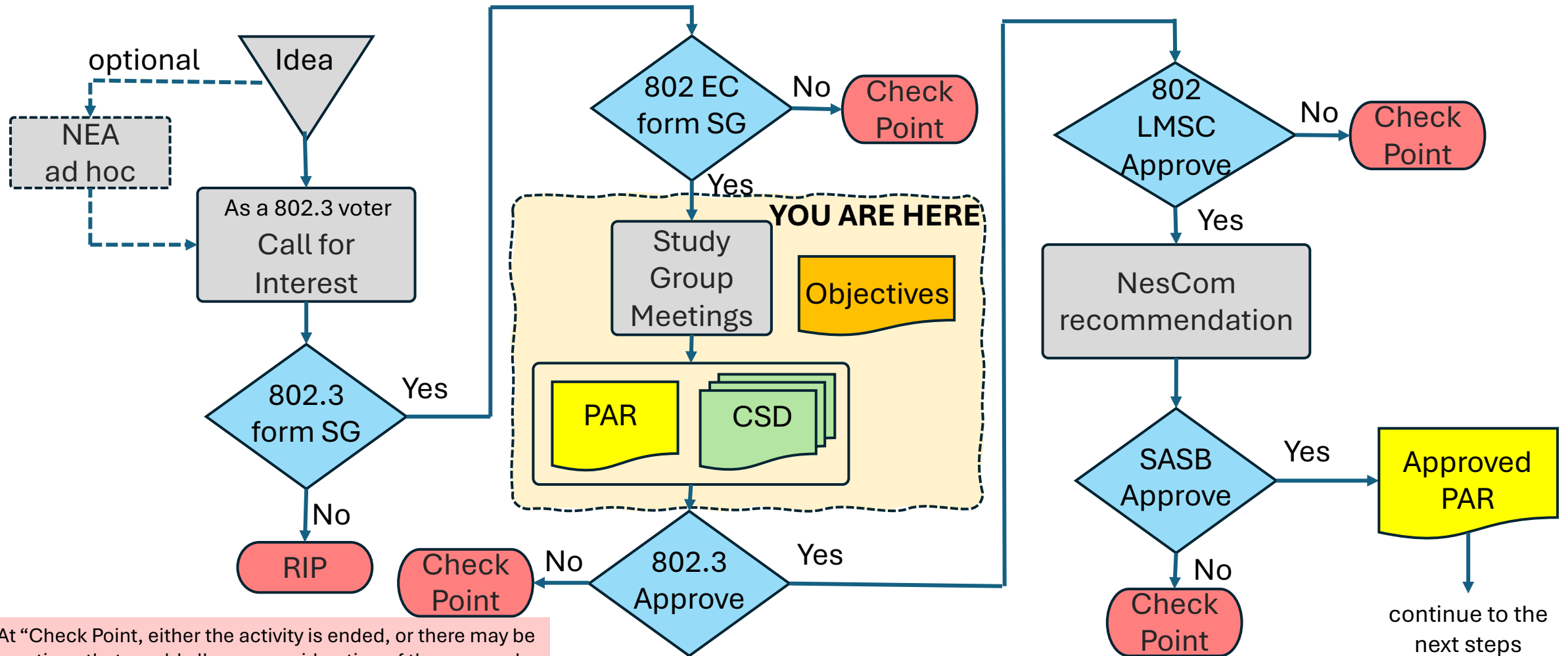
- IEEE SA patent policy
- IEEE SA Copyright Policy
- IEEE SA Participation Policy
- IEEE Code of Conduct and Code of Ethics

All of these policies may be found at [here](http://ieee802.org/3/policies.html): <http://ieee802.org/3/policies.html>

IEEE Standards Association Structure



Overview of IEEE 802.3 Standard Process (1/5) – Study Group Phase



Note: At “Check Point, either the activity is ended, or there may be various options that would allow reconsideration of the approval.

Study Group Rules, Roles, Objectives

- Normal function is to **draft a complete PAR and Criteria for Standards Development (CSD)**
- Development of **Objectives** helps **set the goals for the Task Force & WG.**
- Provide a plenary week tutorial to the IEEE 802 LMSC if needed
 - Recommended for major new work items
- **Gain approval** at the IEEE 802.3 WG, IEEE 802 LMSC, IEEE-SA NesCom and IEEE-SA Standards Board.
- **SG only exists for 6 months**
 - Extensions can be requested
 - Voted on by IEEE 802.3
 - Ratified by IEEE 802 LMSC
- **Consensus required** to move forward
- **Not choosing a solution**

Goals for The Study Group Meetings

- Build consensus on project documentation:
 - Proposed PAR responses → Finalized PAR draft.
 - Proposed CSD responses → Finalized CSD response draft
 - Potential objectives → Finalized Objectives draft
- Request IEEE 802.3 WG approve formation of a Task Force in November 2026 Plenary.
 - Finalized Draft PAR, CSD, and Objectives documentation and related collaterals.
 - Pre-submit PAR & CSD to LMSC prior to **October 8, 2026**
 - Pre-submit PAR & CSD to NesCOM prior to **October 19, 2026**
 - Clear consensus.
- Request IEEE 802.3WG to approve extending the study group as a good measure (SG charter is for 6 month, which would end in January 2027 if not extended and TF formation is delayed for whatever the reason).

Goals for this meeting & Next Steps

- At the end of this interim, if the Study Group did not achieve final drafts of PAR and CRD,
 - Build consensus over teleconference ad hoc meetings, and
 - Consider to meeting and adopt PAR and CRD draft responses before November 802.3 opening plenary.
- If consensus is achieved on PAR and CRD responses at this Interim
 - Documentation will be pre-submitted to 802 LMSC and NesCOM
- At November Plenary,
 - Refine, clarify, etc, and adopt the final responses to PAR and CSDs, including feedback from the other 802 groups.
 - Initiate technical discussions toward solutions for objectives including new objectives.
 - Request 802.3 Working Group to review and approve project documentation (PAR & CSD) and objectives.

Presentations

- List of presentation schedule will be updated prior to the meeting.
- Refer to live presentation list on the interim [page](https://www.ieee802.org/3/EPLCA/public/2609/index.html):
<https://www.ieee802.org/3/EPLCA/public/2609/index.html>

Proposed Meeting Schedule

- In-person Meeting Room is “Los Angeles” medium size room
- Refer to the presentation link (previous slide) for a complete info.

Monday Sept 14, 8:15 AM ~ 12	Tues. Sept 15, 8 AM ~ 12	Wed,. Sept 16, 8 AM ~ 12A
AM1: Intro, agenda, etc – Yong K.	Enhanced PLCA for Humanoid Robots, Ben M + David Lou	PAR , CSD, Objectives, discussions and possible adoption
Project documents: Overview and Guidance; Adam Healey	Enhanced Transmission Selection for Half-Duplex Media, Peter Jones. [brief]	Adopt any of the draft project document that we deem complete enough to adopt.
E-PLCA Timeline Proposal, SG	[late] Cyclic Traffic Requirements and the Time Axis in PLCA, Pusik Park	Future meetings discussion (re: timeline)
AM2: Differentiated Services on Half-Duplex Media; Peter Jones	Deterministic Latency Simulations, Steve DiBella + Yong K.	
802.3da – SPMD enhancements overview; George Z + Tim B	Timeline Discussion	
PAR, CSD, Objectives Proposal, SG	PAR, CSD, Objectives, discussions and possible adoption	

Future Meetings

- See <http://www.ieee802.org/3/interims/index.html>
- ~~Proposing provisional telephonic interim before November Plenary (must be before Oct 8th, 2026).~~
 - ~~objective: a) ratify draft PAR and CSD if not approved by SG at September 2026 interim. b) Iterate on PAR & CSD towards November Plenary) – see proposed timeline contribution.~~
- November 2026 IEEE 802 Plenary
- Ad hoc teleconference meetings to be announced on eplca email reflector, ~~as needs arise.~~
- Ad hocs meetings: October 1 and 22, 7:00 – 9:00 am PDT to work on project objectives and any other work in support of project documentations.

Motion #1:

- Move to approve the draft PAR and draft CSD responses, PAR-draft_eplca_2609b.pdf and CSD-draft_eplca_2609b.pdf.

Moved by: Tim Baggett ;
Seconded: Johannes Specht

- Technical : $\geq 75\%$
- Motion approved with voice without opposition.

Future Meetings Discussion

- No provisional telephonic interim.
- Scheduling Ad Hoc Meetings.
 - October 1st, and 22nd (Thursdays)
 - 7 am PDT/USA, 120 min duration.
- This group will meet in November Plenary, Bangkok, Thailand.
 - Registration is open.
 - Will discuss objectives project documentation, and work that helps task force.

Thank You </agenda>

Guidelines For IEEE SA Meetings to Follow

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

- <https://standards.ieee.org/faqs/copyrights/>

■ 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

Participants in attendance at IEEE Standards development activity meetings shall follow appropriate meeting decorum, and the SA meeting rules, including but not limited to:

- Recording (e.g., via audio, video, photography, artificial intelligence (AI) application or other software) of the proceedings by any participant or observer other than Officers of this IEEE standards development group, in part or in whole, via any means, is NOT permitted. (See IEEE Standards Board Operations Manual subclause 5.3.3.2 Recordings of the proceedings of standards development meetings)
- Participants intending to report publicly on this meeting (e.g., news outlets, social media, or online forums) shall inform the Chair of their attendance and the Chair shall announce their presence and their intent to report publicly. (See IEEE Standards Board Operations Manual Subclause 5.3.3.3 Press attendance)
- Participants shall comply with IEEE SA Standards Board Operations Manual 5.1.4 Standards promotion and social media communication

IEEE ETHICS REPORTING LINE

Ethics Reporting Line

Attention!

This web page is hosted on EthicsPoint's (owned and operated by NAVEX) secure servers and is not part of the Institute of Electrical and Electronics Engineers web site or intranet.

[Make a Report](#)[Follow-up on a Report](#)

ETHICS AT IEEE

IEEE strives to achieve the highest standards of integrity and endeavors to conduct business around the world in a responsible and ethical way. It is important that those who act on the organization's behalf ensure IEEE's compliance by adhering to the same standards and expectations.

When you become aware of or suspect a violation of IEEE's Code of Ethics, Code of Conduct or Policies, raising your concern should be as easy as possible. For this reason, IEEE has selected EthicsPoint, an independent third party for the receipt and resolution of reports of impropriety. The information you provide will be sent to IEEE by EthicsPoint on an entirely confidential (and, if you choose, anonymous) basis. (For more information see, [IEEE's Ethics Reporting Line FAQ](#))

We will review every concern raised using a defined process to ensure fairness and consistency as defined in IEEE's Bylaws and Policies. We will treat you with dignity and respect throughout the process. You can trust that we will handle your question or concern seriously and as soon as practicable. If something needs to be addressed, we will take action based on what we learn.

ETHICSPPOINT IS NOT A 911 OR EMERGENCY SERVICE:

Do not use this site to report events presenting an immediate threat to life or property. Reports submitted through this service may not receive an immediate response. If you require emergency assistance, please contact your local authorities.

TO MAKE A REPORT

You may use either of the following two methods to submit a report: dial toll-free, within the United States, Guam, Puerto Rico, and Canada: **+1 888 359 6323** Or select the **"Make a Report"** link at the top of this Web page.

After you complete your report, you will be assigned a unique code called a "report key." Write down your report key and password and keep them in a safe place. After **7-10** business days, use your report key and password to check your report for feedback or questions.

Please be aware that the IEEE Ethics Reporting Line will only accept complaints regarding IEEE's business and activities. IEEE will not review or accept complaints regarding any other organization, including the employers of members. IEEE members seeking ethical assistance regarding their employers should seek their own counsel or consult their employers.

NON-RETALIATION POLICY

It is the policy of IEEE not to take any retaliatory action against any director, officer, manager, employee or volunteer for raising a good faith compliance or ethics concern, for making a good faith report of a possible violation of the IEEE Code of Ethics, Code of Conduct or IEEE Policies, or assisting or cooperating in an investigation of a possible violation.

Any elected director or officer of IEEE and any staff manager or employee who engages in any such retaliatory action can be punished by penalties up to and including expulsion from IEEE membership for a volunteer and termination of employment for any IEEE staff member.

OTHER COMPLIANCE INQUIRIES may be directed to compliance@ieee.org.

Reports alleging violations of IEEE's Code of Conduct, Code of Ethics, or other policies and rules, can be reported in two ways:

- **Phone:** +1 888-359-6323
- **Web:** www.ieee-ethics-reporting.org

Under IEEE Bylaw I-110 and IEEE Policy 7.10, any individual may report an allegation of misconduct against a member, or a non-member engaged in an IEEE activity. Reports may be filed anonymously.

References

Code of Ethics:

<https://www.ieee.org/about/corporate/governance/p7-8.html>

Code of Conduct:

<https://www.ieee.org/about/corporate/governance/code-of-conduct.html>