IEEE 802.3 EPLCA Hybrid Meeting Practices

- In-room Attendees:
  - In Webex choose connect without audio before you join
  - Use the Webex raise hand function to indicate you want to speak
    - Wait to be called on before speaking (even at the microphone)
    - Repeat any questions that may be asked away from the microphone

- Remote Attendees:
  - Use the Webex raise hand function to indicate you want to speak
    - Wait to be called on to speak – Please MUTE otherwise

Agenda and General Information

IEEE 802.3

PLCA Enhancements Study Group

Natalie Wienckowski

IVN Solutions LLC / General Motors, Ethernovia & Robert Bosch

Plenary meeting, 9-12 November 2026

Agenda

- Confirmation of Chair
- Welcome and Introductions
- Approve Agenda
- Approve Minutes
- Goals for this meeting
- Big Ticket Items
- Reflector and Web
- Ground Rules
- IEEE
  - Structure, Bylaws and Rules
  - Call for Patents
  - IEEE Standards Process
- Liaisons and Communications
- Presentations
- Motions and Closing Business
- Future Meetings

Confirmation of Chair

Facilitated by David Law, 802.3 Working Group Chair

Approve Agenda

Approve prior meeting minutes

- The following meeting minutes need to be approved:
  - August 27, 2026 ad hoc: https://ieee802.org/3/EPLCA/public/260827/eplca_adhoc_minutes_260827.pdf
  - September 2026 Interim: https://ieee802.org/3/EPLCA/public/2609/Unconfirmed_minutes_eplca_0926b.pdf
  - October 1, 2026 ad hoc: https://ieee802.org/3/EPLCA/public/261001/Unconfirmed_minutes_eplca_100126a.pdf
  - October 22, 2026 ad hoc: https://ieee802.org/3/EPLCA/public/261022/minutes_eplca_01a_261022.pdf

Motion #2

– Approve previous meeting minutes https://ieee802.org/3/EPLCA/public/260827/eplca_adhoc_minutes_260827.pdf, https://ieee802.org/3/EPLCA/public/2609/Unconfirmed_minutes_eplca_0926b.pdf, https://ieee802.org/3/EPLCA/public/261001/Unconfirmed_minutes_eplca_100126a.pdf, and https://ieee802.org/3/EPLCA/public/261022/minutes_eplca_01a_261022.pdf

M: Peter Jones

S: Tim Baggett

Procedural (>50%)

Passed by voice without opposition

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**
- << Use the "**Raise Hand**" function to be placed into the queue >> prior to lining up at the floor mic(s)
- 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 >>
- Please observe proper decorum in meetings

Goals for the meeting

- Consider feedback, including from other Working Groups, on the PAR and CSDs
- Hear requested presentations
- Modify PAR and CSDs, if necessary
- Approve initial set of Objectives
- Lay the ground work for the next meeting

Big ticket items

- Respond to other groups' comments on PAR and CSDs
- Submit updated PAR and CSDs, if updated
- Request to recharter SG

Meeting - fees

- This meeting is conducted as part of the IEEE 802 Plenary Meeting. Registration and payment of fees is required, and attendance without properly registering is subject to penalties under IEEE 802 rules.
- See https://www.ieee802.org/3/interims/index.html for further information and a registration link

Reflector and Web

- To subscribe to the <<*Study Group name*>> reflector, send an email to:
  ListServ@ieee.org

  with the following in the body of the message (do not include "<>"):
  subscribe **stds-802-3-eplca** ***<yourfirstname> <yourlastname>***
  end

- Send PLCA Enhancement Study Group reflector messages to:
  stds-802-3-eplca@listserv.ieee.org

- Study Group web page URL:
  https://ieee802.org/3/EPLCA/index.html

Private Area

- None

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

Voting details

- Straw polls
  - Anyone in the room may vote
- Motions
  - Anyone in the room may vote
- Additional information can be found in the Operations Manual
  - IEEE 802.3 Ethernet Working Group Operations Manual

“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.”

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

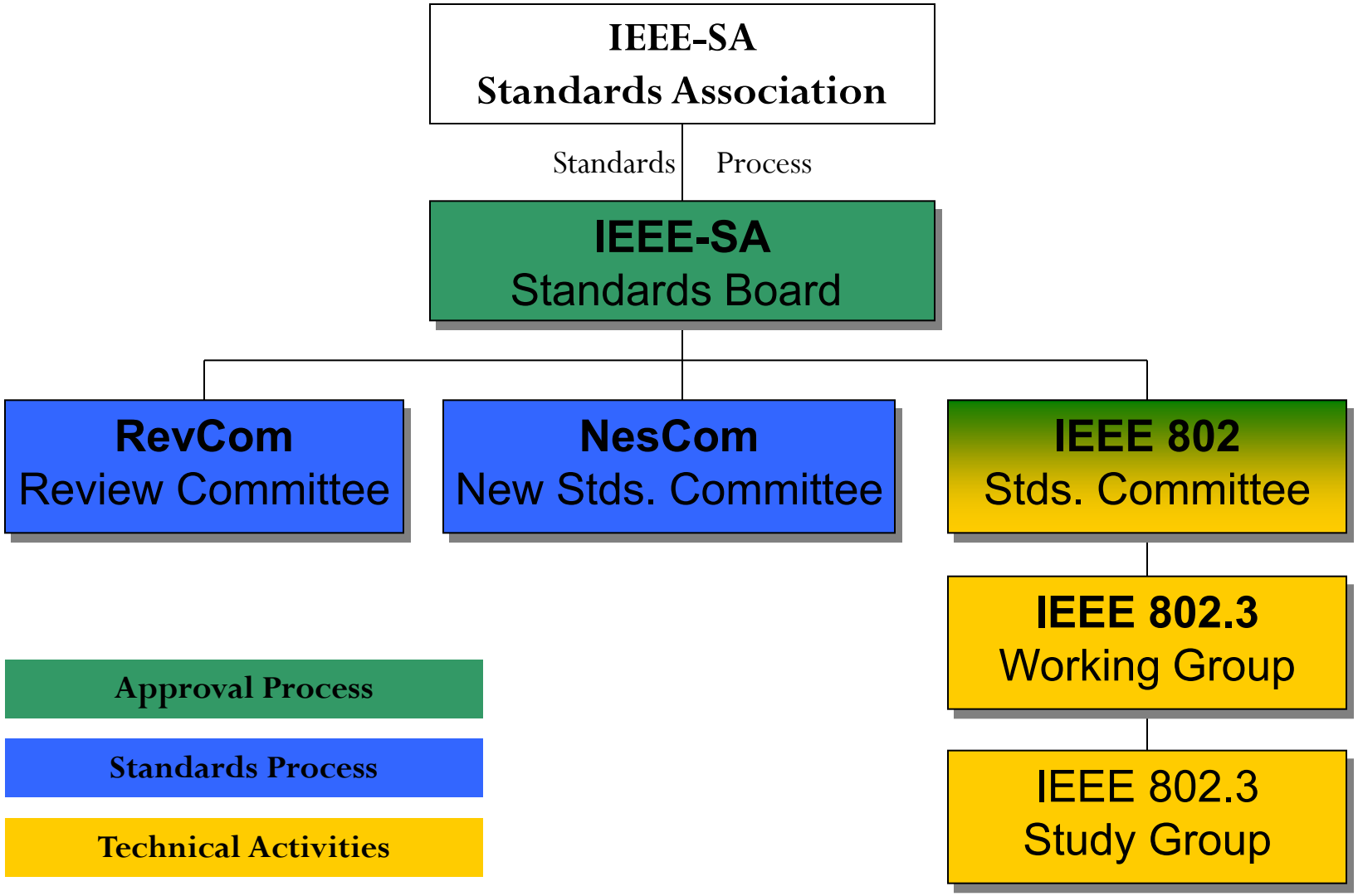
Attendance

- Attendance will be taken from IMAT and Webex
  - IMAT is the official record – so be sure to sign in
    - But only if you plan to be here for 75% of the slot.
  - Remember – IMAT for each of the 4 slots per day...
  - Suggest everyone sign onto the Webex
  - Tutorial Material on attendance tool
  - http://ieee802.org/3/minutes/attendance_procedures.pdf
  - Access URL: http://imat.ieee.org/

- **PLEASE DO NOT FORGET TO SIGN INTO IMAT – NEED FOR CORRECTIONS IS STRONGLY DISCOURAGED**

- Please put your affiliation in your Webex name or in the chat. You are able to rename yourself in Webex. To update your name, click on the 3 dots to the right of your name in the Participants pane and select “Edit Display Name”.

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
  - 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 ASSOCIATION

IEEE

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 STANDARDS ASSOCIATION

IEEE

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 SA STANDARDS ASSOCIATION

IEEE

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.

ETHICSPOINT 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

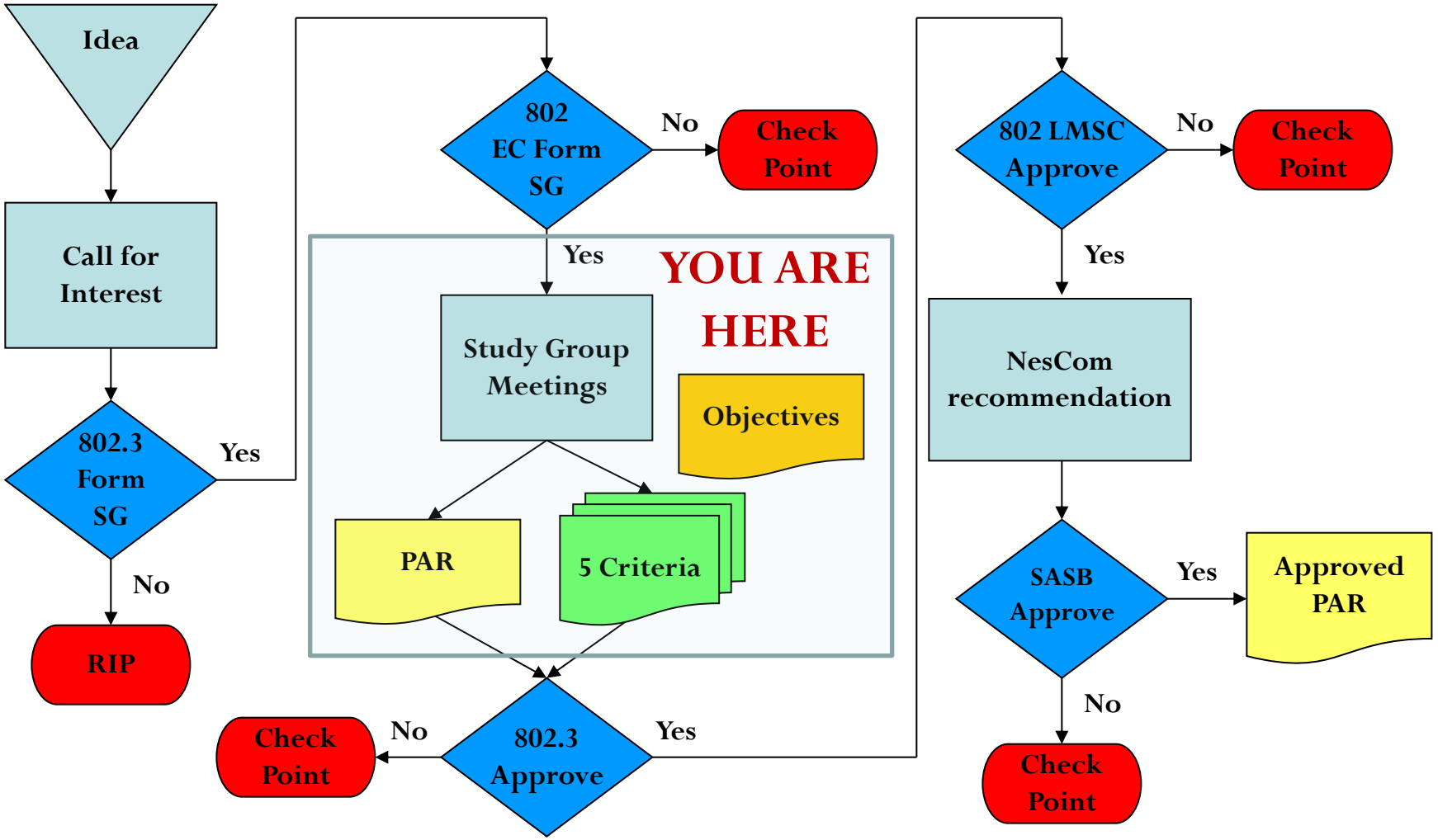
Code of Conduct:

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

IEEE SA STANDARDS ASSOCIATION

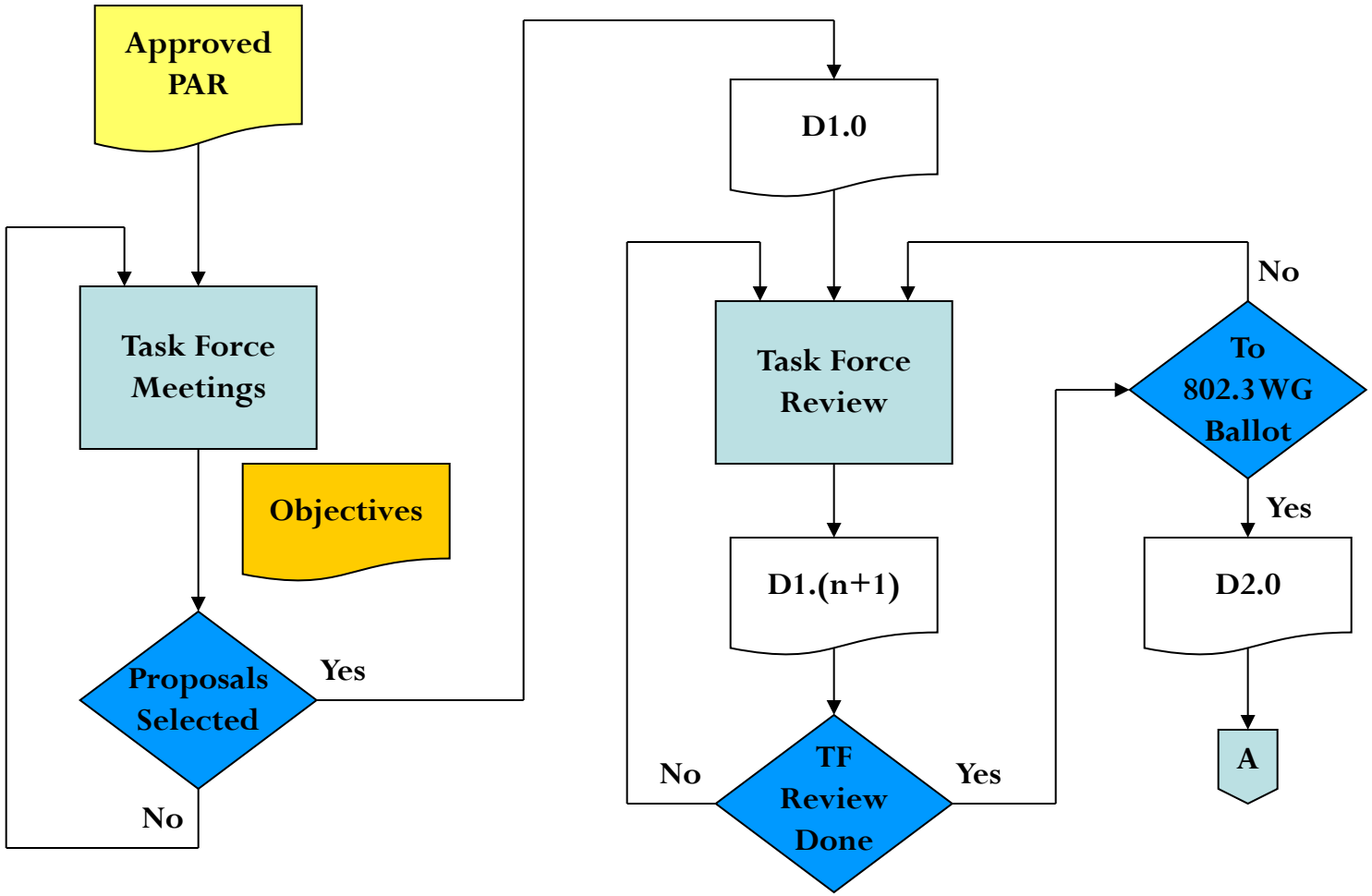
IEEE

Overview of IEEE 802.3 Standards Process (1/5)- Study Group Phase

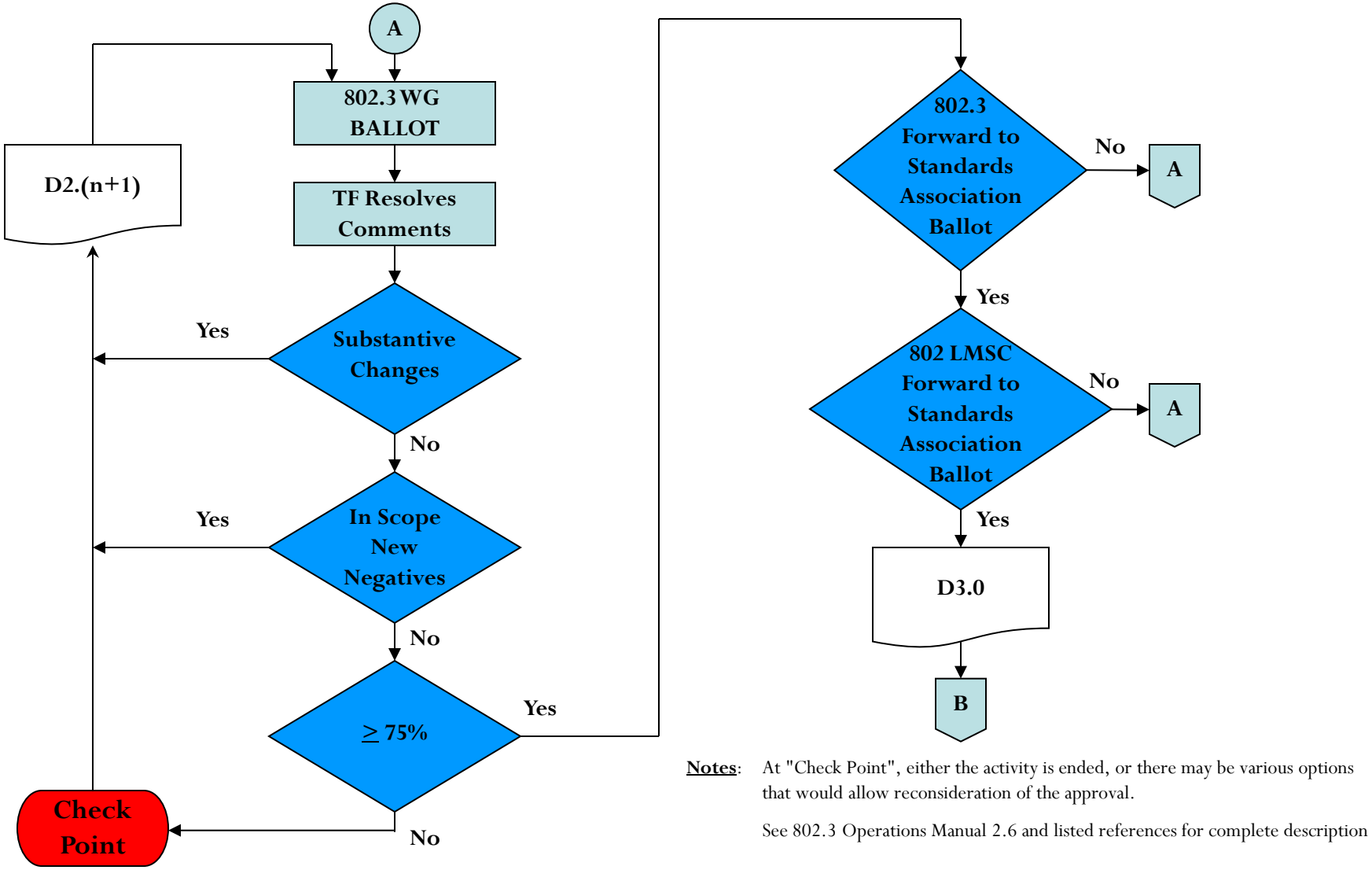


Note: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

Overview of IEEE 802.3 Standards Process (2/5) – Task Force Comment Phase



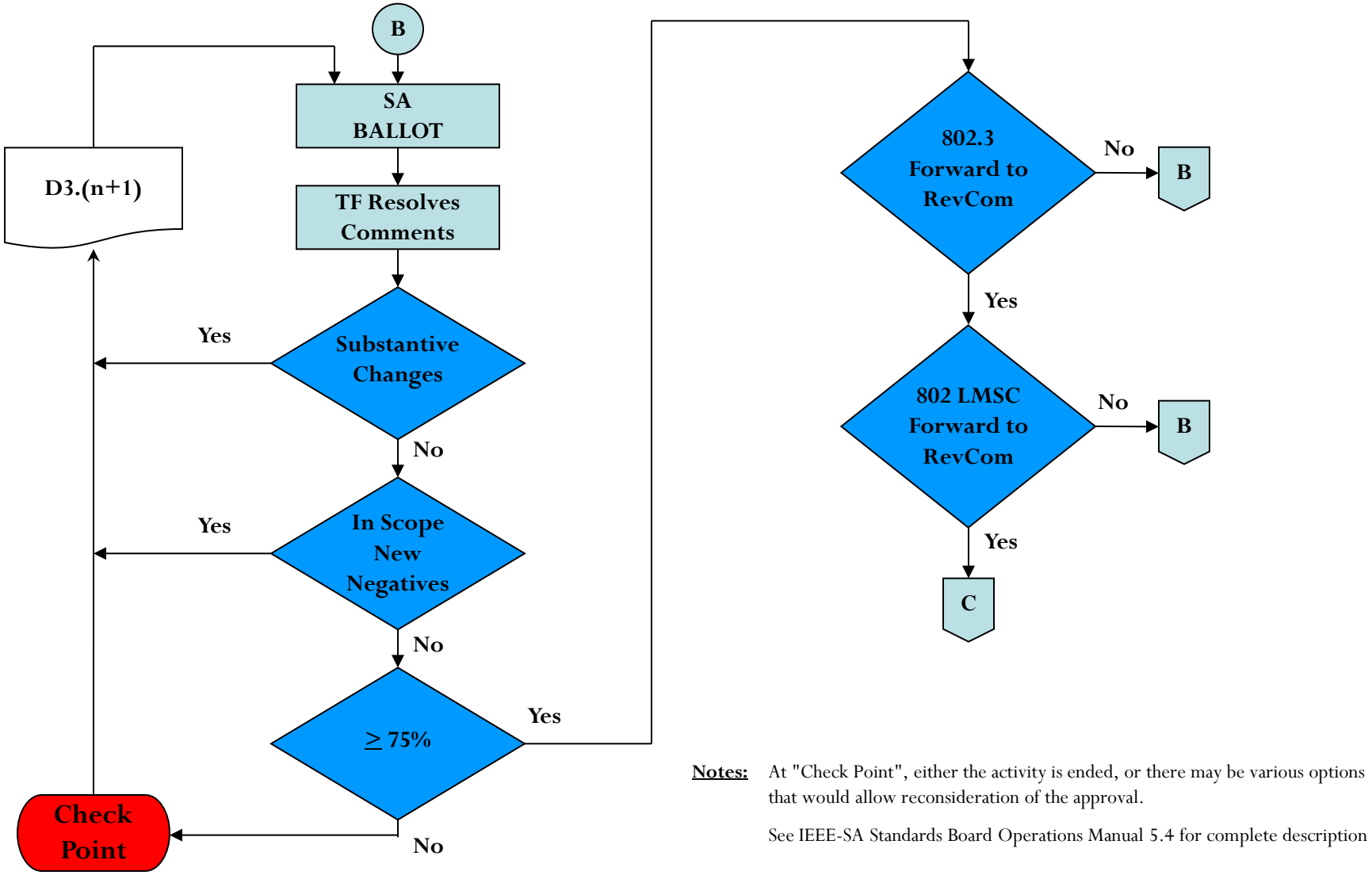
Overview of IEEE 802.3 Standards Process (3/5) – Working Group Ballot Phase



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

See 802.3 Operations Manual 2.6 and listed references for complete description

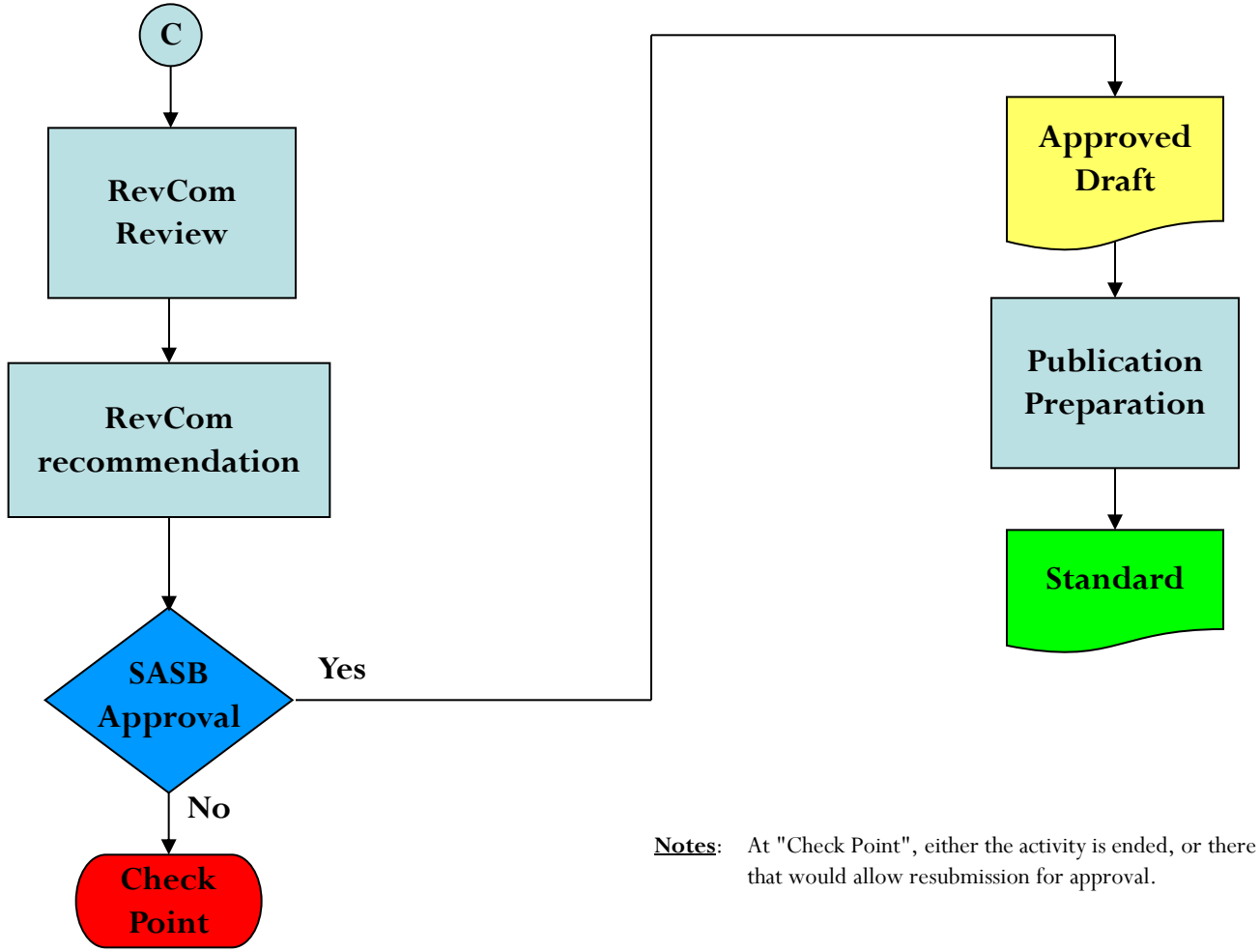
Overview of IEEE 802.3 Standards Process (4/5)- IEEE Standards Association (SA) Ballot Phase



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

See IEEE-SA Standards Board Operations Manual 5.4 for complete description

Overview of IEEE 802.3 Standards Process (5/5) – Final Approvals / Standard Release



Notes: At "Check Point", either the activity is ended, or there may be various options that would allow resubmission for approval.

The Study Group

- Normal function is to draft a complete PAR and Five Criteria
- 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
- Development of Objectives helps set the goals for the Task Force
- Consensus required to move forward

- Not a goal – choosing a solution.

Bold items are fixed. Other times are approximate, and the meeting will progress faster if possible.

Presentations

Start Time ICT	Title	Presentation Author(s) and Affiliation(s)
08h00	Agenda and general business	Natalie Wienckowski [IVN Solutions LLC[1]]
Presentations		
08h15	Review PAR and CSD remarks and craft updates and responses	
	Proposed updates to proposed 802.3dx PAR and CSD language: “PLCA packet transmission” and “PLCA Sublayers”	George Zimmerman [CME Consulting]
	EPLCA Service Client layering diagram	Yong Kim [General Motors]
	Thoughts on Objectives and changing the PLCA RS	Tim Baggett [Microchip]
	Objectives Contribution	Yong Kim [General Motors]
12h05	Closing Remarks / Next meetings	Natalie Wienckowski [IVN Solutions LLC[1]]

1 – *General Motors, Ethernovia, and Robert Bosch*
2 – Late presentations will be given if agreed to by the TF and time permits.

Motion #1

- Request that the IEEE 802.3 Working Group approve the first rechartering of the Physical Layer Collision Avoidance (PLCA) Enhancements Study Group.
- M: George Zimmerman
- S: Peter Jones

- (Procedural > 50%)
- Approved by voice without opposition

Future Meetings (Hybrid)

- January 802.3 Interim – Savanah, Georgia, USA (January 18 – 21)
  - In-person with remote access on a best effort basis
    - See https://www.ieee802.org/3/interims/index.html for information
    - Registration Fee Required
    - Registration is not yet open

- Meeting coordinates: https://www.ieee802.org/3/calendar.html

- Anyone interested in hosting an interim meeting contact me or the IEEE 802.3 Executive Secretary Chad Jones.

Future Meetings (Web only)

- Will be scheduled by request

Thank You!