

Meeting Reminders:

1. Participation in the Mar 2026 IEEE 802.3dj Plenary meeting (face-to-face or remote) **requires** registration and payment of registration fee. This meeting does count towards IEEE 802.3 Working Group voting membership.
 - 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.
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 Task Force

**099-12 Mar 2026 Plenary Meeting
Vancouver, BC, Canada**

**John D'Ambrosia,
Chair, IEEE P802.3dj Task Force
Futurewei, U.S. Subsidiary of Huawei**



3DJ

Non-payment of registration fees

**Every attendee (Face-to-Face or Remote)
at any IEEE 802 meeting during the Mar 2026 IEEE 802 Plenary
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.

IEEE P802.3dj Task Force Mar 2026 Plenary Agenda

- Approve Agenda
- Approval of Minutes (next page)
- Decorum (General / Teleconference)
- Goals For the Meeting
- Project Information
 - IEEE Structure
 - IEEE P802.3dj Task Force Project Information
- Ground Rules
- Voting / Voting Rights / Membership
- Attendance
- Review IEEE SA Policies (<http://ieee802.org/3/policies.html> / included) *
- Liaisons
- Technical Presentations **
- Discussion
- TF Chair – Moving Forward
- Closing Business
 - Motions
 - Future Meetings
 - Other

* Note – additional slides covering procedures and IEEE-SA Policies are in Backup
 ** Note – straw polls may occur during any presentation, outside of noted
 “Discussion / Straw poll” agenda items

A breakout room has been assigned to the IEEE P802.3dj Task Force for offline consensus building during the meeting. If used, it will be announced and electronic meeting information will be provided via the Task Force reflector

Approval of Minutes

- **Jan 2026 Interim**

- https://www.ieee802.org/3/dj/public/26_01/minutes_3dj_a_2601_unapproved.pdf

Monday, 09 Mar 2026

All times and order listed are subject to change.
See meeting webpage for latest presentation version

<u>Mon</u>				
Time	Presenter			File Name
1:00 PM	John D'Ambrosia	Futurewei, U.S. Subsidiary of Huawei	Agenda and General Information	agenda_3dj_2603
1:30 PM	John D'Ambrosia	Futurewei, U.S. Subsidiary of Huawei	Proposed Changes to Annex 180A	ran_3dj_04_2603
2:00 PM	Guangcan Mi	Huawei	Update MDIO register of local_tp_mode variable of CL 178B	mi_3dj_01_2603
2:30 PM	Marco Mascitto	Nokia	Enabling coherent PMDs to participate in 802.3dj APSU	mascitto_3dj_01_2603
3:00 PM	Break			
3:30 PM	Strawpolls			
4:00 PM	Adee Ran	Cisco	APSU behavior upon loss of signal	ran_3dj_01_2603
4:30 PM	Leon Bruckman	Nvidia	APSU restart	bruckman_3dj_01_2603
5:00 PM	Leon Bruckman	Nvidia	APSU fail action	bruckman_3dj_02_2603
5:30 PM	Strawpolls			
6:00 PM	Meeting Recessed for the Day			

Tuesday, 10 Mar 2026

All times and order listed are subject to change.
See meeting webpage for latest presentation version

Tues				
8:00 AM	John D'Ambrosia	Futurewei, U.S. Subsidiary of Huawei	Chair Opening Comments	
8:05 AM	Chris Cole	Coherent	RxS Specification Proposal	cole_3dj_01_2603
8:35 AM	Strawpolls			
9:00 AM	Laurent Alloin	Ciena	OMAouter measurement with SSPRQ	alloy_3dj_01_2603
9:30 AM	Laurent Alloin	Ciena	DFE normalization in TDECQ penalty computation	alloy_3dj_02_2603
10:00 AM	Break			
10:30 AM	Ahmad El-Chayeb	Keysight Technologies	Impact of using OMAouter to Calculate TDECQ	chayeb_3dj_01_2603
11:00 AM	Strawpolls			
11:30 AM	<u>Norman Swenson</u>	Nokia and Point2	DFE differences between Annex 178A and Clause 180	swenson_3dj_02_2603
12:00 PM	<u>Lunch</u>			
1:15 PM	Norman Swenson	Nokia and Point2	TDECQ Considerations Revisited	swenson_3dj_01_2603
1:45 PM	Michael He	TeraHop	Refine the Rx Sensitivity/Tx OMA for DR/FR4-500/FR4	he_3dj_01_2603
2:15 PM	Xiaojie Fan	Huawei	Consideration on Tx/Rx OMAouter for FR4 and FR4-500	fan_3dj_01_2603
3:00 PM	Break			
3:30 PM	Ali Ghiasi	Ghiasi Quantum/Marvell	Transmitter Overshoot Penalty	ghiasi_3dj_01_2603
4:00 PM	Ali Ghiasi	Ghiasi Quantum/Marvell	Capturing Jitter Penalty During TDECQ and FRx Tests	ghiasi_3dj_02_2603
4:30 PM	Discussion / Strawpolls			
6:00 PM	Recess for Day			

Wednesday, 11 Mar 2026

All times and order listed are subject to change.
See meeting webpage for latest presentation version

Wed				
8:00 AM	Sam Kocsis	Amphenol	Consideration of Removal of Notes related to SFP224 and SFP-DD224 in Annex 179C	kocsis_3dj_01_2603
8:30 AM	Adee Ran	Cisco	Proposed Changes to Annex 179C and MDIs for CR PMDs	ran_3dj_02_2603
9:00 AM	Adee Ran	Cisco	Host, module, and test fixture illustrations for Annex 176D	ran_3dj_03_2603
9:30 AM	Kent Lusted	Synopsys	MTF ILdd revisited	lusted_3dj_02_2603
10:00 AM	Break			
10:30 AM	Richard Mellitz	Samtec	IEEE802.3dj Modal ERL Proposal	mellitz_3dj_01_2603
11:00 AM	Strawpolls			
11:30 AM	Xuebo Wang	Huawei	Consideration of BLER method using PMA measurements	wang_3dj_01_2603
12:00 PM	<u>Lunch</u>			
1:15 PM	Eric Maniloff	Ciena	Clause 175 1.6TBASE-R hi_ser Timing and Codeword Count	maniloff_3dj_01_2603
1:45 PM	Andras de Koos	Microchip Technology	176.10 Path data delay for time synchronization	dekoos_3dj_01_2603
2:15 PM	Mike Dudek	Marvell	Functional specs for AUI's reference PMD labeled registers	dudek_3dj_01_2603
3:00 PM	Break			
3:30 PM	Jeff Slavick	Broadcom Inc.	rts_forward_timer duration concern	slavick_3dj_01_2603
4:00 PM	Jeff Slavick	Broadcom Inc.	APSU Data from end of LinkTrain to Link Up	slavick_3dj_02_2603
4:30 PM	Jeff Slavick	Broadcom Inc.	Figure 178B-9 optimization	slavick_3dj_03_2603
5:00 PM	Kent Lusted	Synopsys	module receiver interference tolerance test revisited	lusted_3dj_01_2603
6:00 PM	Recess for Day			

Thursday, 12 Mar 2026

All times and order listed are subject to change.
See meeting webpage for latest presentation version

<u>Thurs</u>				
Time	Presenter	Affiliation	Title	File Name
8:00 AM	John D'Ambrosia	Futurewei, U.S. Subsidiary of Huawei	Chair Opening Comments	
8:10 AM	Working Session			
10:00 AM	Break			
10:30 AM	Working Session			
11:40 AM	John D'Ambrosia	Futurewei, U.S. Subsidiary of Huawei	Closing Business	
12:00 PM	Meeting Adjourned			

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

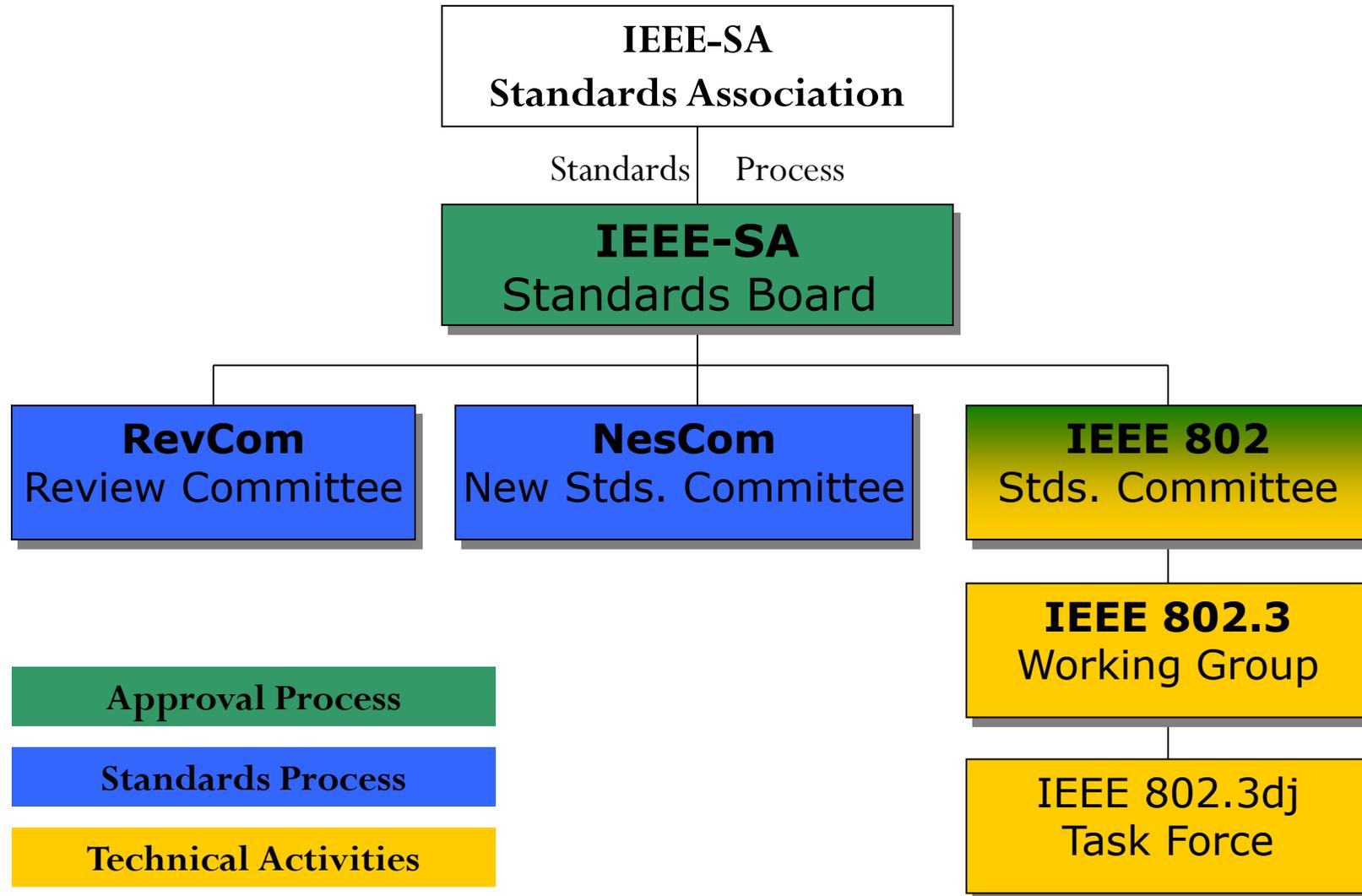


- Please MUTE unless called on
- **Please do not turn video on**
 - The chat window is used to be placed into the queue.
 - The chat can only send to “Everyone” or the officers
 - **Please observe proper decorum in meetings**

Goals for the Meeting

- **Technical consensus building on anticipated issues to address during IEEE Standards Association Ballot**

IEEE Structure



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 \(ieee802.org\)](http://www.ieee802.org)
- 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 –

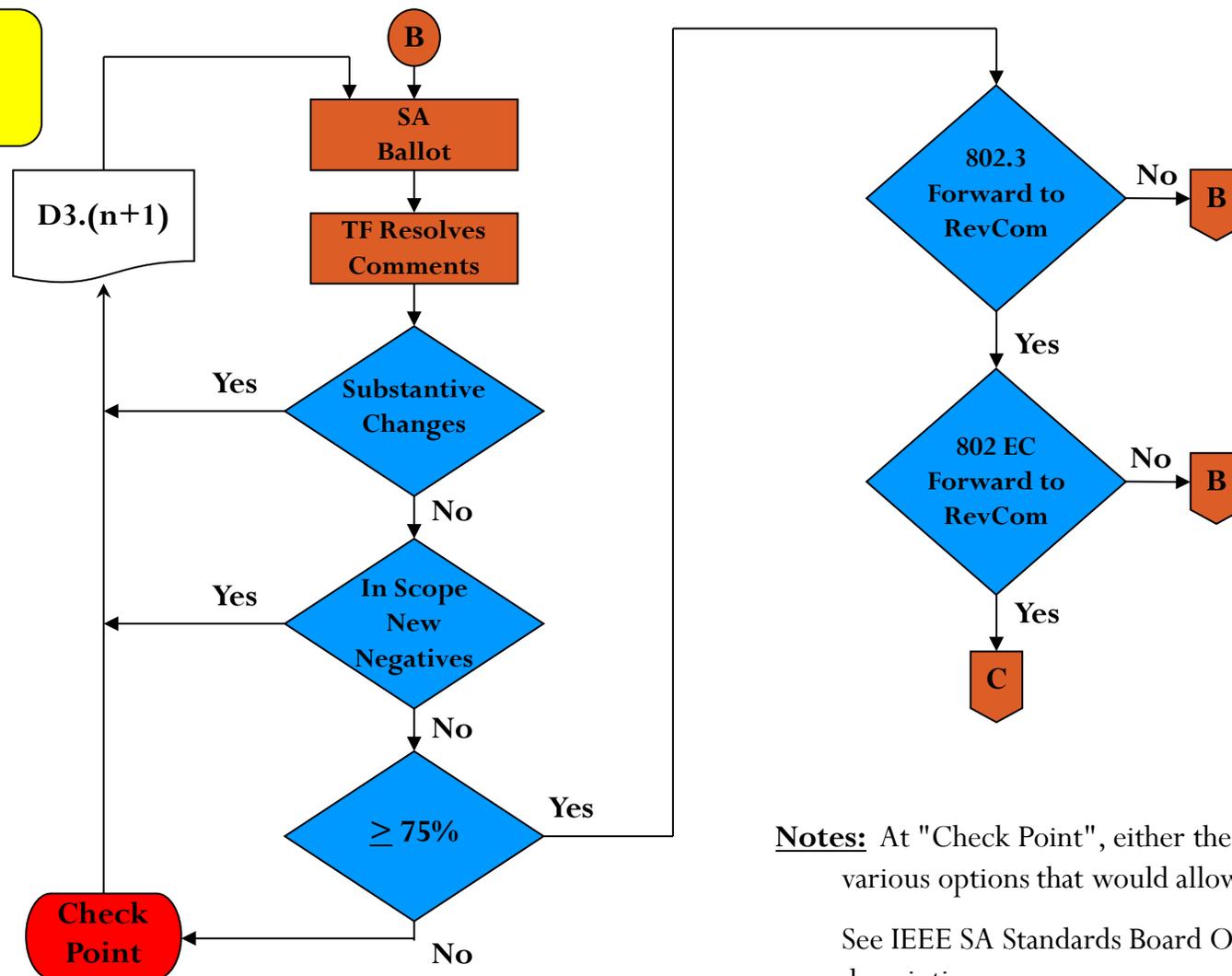
- PAR : https://www.ieee802.org/3/dj/projdoc/P802d3dj_PAR.pdf
- CSD: <https://mentor.ieee.org/802-ec/dcn/22/ec-22-0256-00-ACSD-p802-3dj.pdf>
- Objectives: https://www.ieee802.org/3/dj/projdoc/objectives_P802d3dj_240314.pdf
- Adopted Timeline: https://www.ieee802.org/3/dj/projdoc/timeline_3dj_241114.pdf

■ 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>

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

We are here!



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 Operation Manual 5.4 for complete description.

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 on straw polls, but we have to follow 802.3 Voting rules**
- **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/
- **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
- **“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>

Voting

- Per https://www.ieee802.org/3/email_dialog/msg01783.html -

IEEE 802.3 will hold its March 2026 plenary session from Monday, 9 March 2026, through Thursday, 12 March 2026. The plenary session will be held at the Hyatt Regency, Vancouver, BC, Canada, with support for mixed-mode attendance (i.e., remote attendance). Please note that the meetings are being planned around an in-person schedule, with remote access provided on a best-effort basis.

Reference: Excerpt from Section 3.4.2, IEEE 802.3 Operations Manual

– http://www.ieee802.org/3/rules/P802_3_rules.pdf

There are two type of votes in the TF; votes on motions and votes in straw polls.

In face-to-face meetings where a TF is operating with membership rules for voting (see 3.3) only the TF members may make and vote on motions. In face-to-face meetings where membership rules are not in force all TF participants may make and vote on motions, subject only to the provision that they believe that they are qualified to vote on the matter before the TF. **Electronic meetings that will consider motions shall be approved by the WG Chair prior to the meeting announcement. In such meetings only IEEE 802.3 Working Group members may make and vote on motions. If a motion is not approved by unanimous consent it shall be taken as a roll call vote**

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

Note – Chair reserves the right to take informative straw polls by 802.3 WG voting membership

- IEEE 802.3 Requirements for Working Group voting membership – <https://www.ieee802.org/3/rules/member.html>

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
 - 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>
- Note - 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.
- Note – Task Force Meeting attendance records can not be used as evidence to request IMAT attendance credit for a slot.

Attendance

■ For Mar 2026 Plenary Meeting

– Leadership will use IMAT as part of determining meeting attendance.

- 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.

– IMAT –

- **Tutorial** – https://www.ieee802.org/3/minutes/sep24/0924_imat.pdf
- **Access details**
 - **URL:** <http://imat.ieee.org/>
 - **802.3 Password** – to be given out by chair of meeting

■ Please be sure to sign-in with your name / affiliation information

■ Zoom / Webex attendance will be used to identify remote attendance as well.

Review of IEEE SA Policies

- Email (<https://www.ieee802.org/3/B400G/email/msg01791.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>.

Liaisons Overview (As of 05 Mar 2026)

- Received
 - N/A
- To be sent:
 - Informative - Chair will present proposed liaison to forward D3.0 to WG for considération.
(See https://www.ieee802.org/3/dj/public/26_03/dambrosia_3dj_01_2603_Redacted.pdf)

CLOSING BUSINESS

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 802.3 May 2026 Session
 - IEEE P802.3dj Electronic Meetings
 - 05 – 06 May, 9am to 1pm ET
 - IEEE 802.3 May 2026 Interim
 - Week of May 11-15
 - Munich Germany
 - Additional electronic meetings may be added week of May 4, 2026
- IEEE 802 July 2026 Plenary
 - Week of July 13 – 17
 - Montreal, Quebec, Canada
- IEEE 802.3 Sep 2026 Interim
 - Week of 14 Sept
 - Lisbon, Portugal
- IEEE 802 Nov 2026 Plenary
 - Week of 09 Nov
 - Bangkok, Thailand

Announcement – May 2026 Session

“May 2026 Session Webpage” will include estimated “important dates”

- **Presentation Request Date: 23 Apr 2026**
 - Use google form - <https://forms.gle/CYSw6HwsBths4esj8>
- **Presentation Submission Date: 27 Apr 2026**
- **May 2026 Session**
 - **05 May 2026 Electronic Meeting, 9am to 1pm ET**
 - Anticipated “Bucket” Approval Motion – Details TBA
 - **06 May 2026 Electronic Meeting, 9am to 1pm ET**
 - **IEEE 802.3 May 2026 Interim (Week of 11 May)**
 - **IEEE P802.3dj Task Force will be meeting on Fri 15 May until noon local time**

Future Meetings – Ad Hoc

- **To be announced**

THANK YOU!



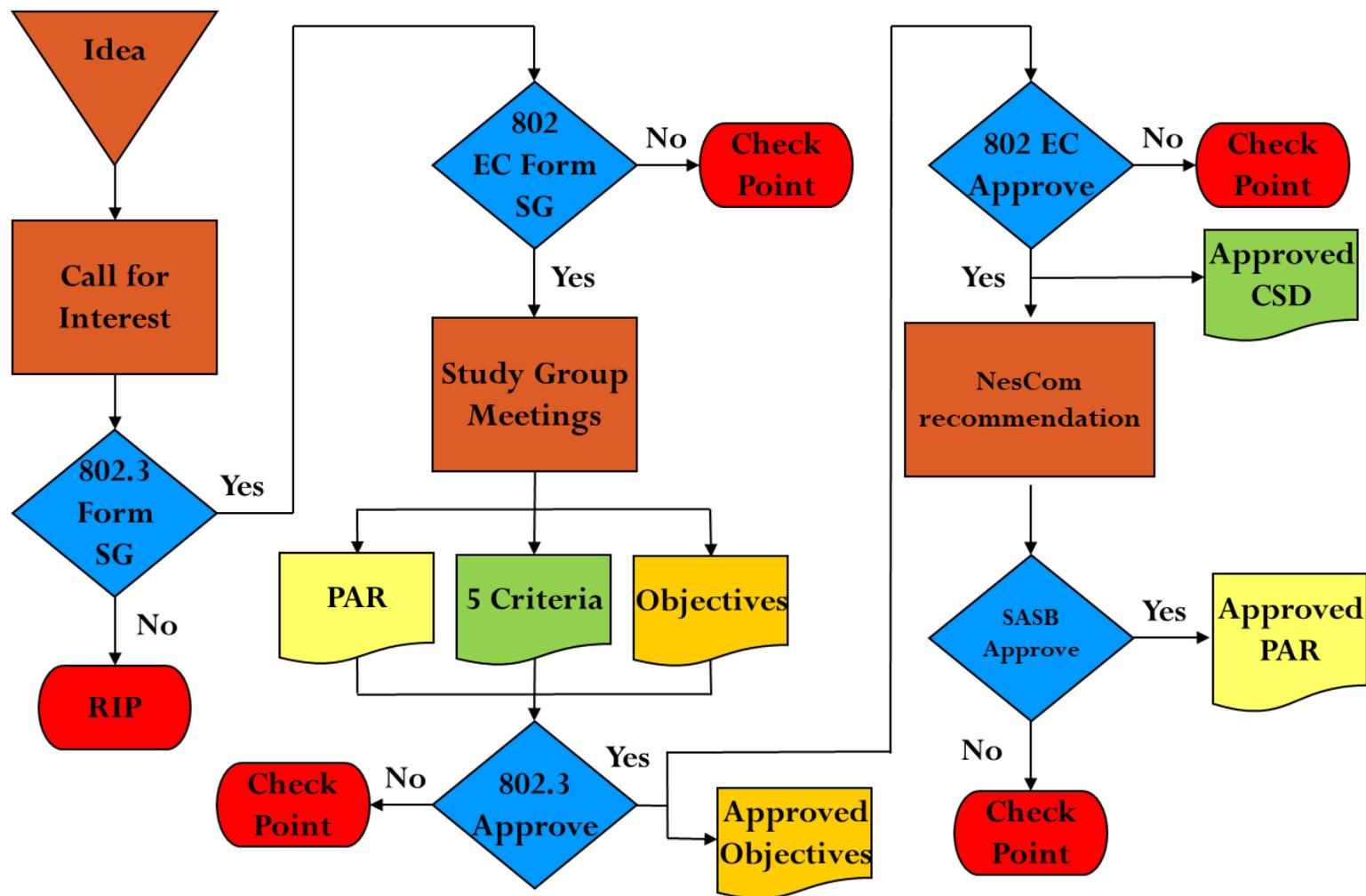
BACKUP



The Role of the Chair / Vice Chair

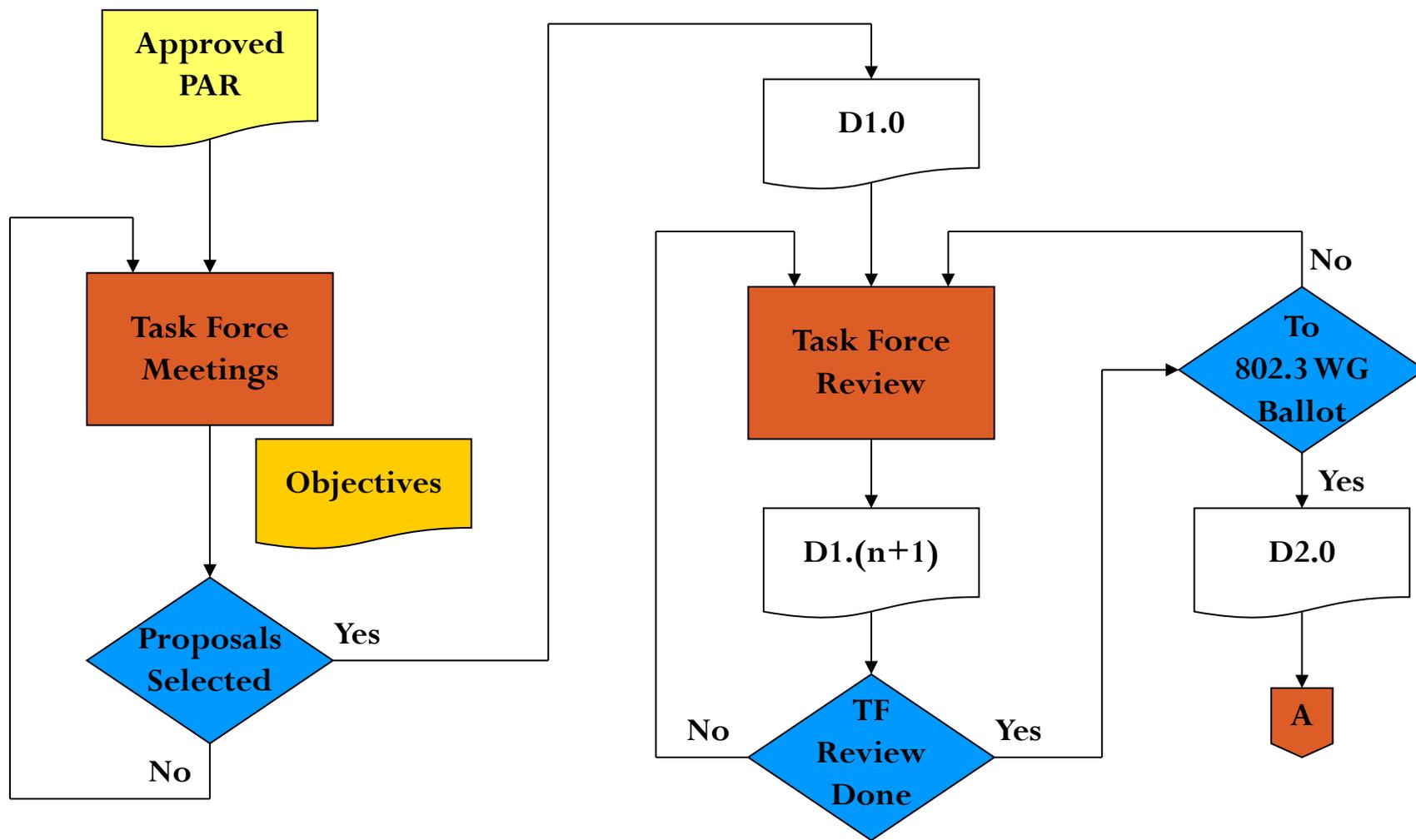
- **Per the IEEE 802.3 Ethernet WG Operations Manual (http://www.ieee802.org/3/rules/P802_3_rules.pdf)**
 - **Per 3.4 - Operation of the Task Force**
 - **The operation of the TF has to be balanced between democratic procedures that reflect the desires of the TF members and the TF Chair's responsibility to produce a draft standard, recommended practice, or guideline in a reasonable amount of time for review and approval by the WG. Robert's Rules of Order shall be used in combination with these operating rules to achieve this balance.**
 - **The full responsibilities of the chair are specified in 3.4.3 Task Force Chair's Responsibilities.**
 - **The Role of the Vice Chair is specified in 3.2 –**
 - **There may be a TF Vice-Chair. A TF Vice-Chair carries out the TF Chair's duties if the TF Chair is temporarily unable to do so or chooses to delegate specific duties.**
- **Reminders –**
 - **We are a contribution driven organization. It should not be assumed by anyone that work will just get done without contributions to drive it. Areas not moving forward will be brought to the attention of the Task Force for consideration on how to address.**
 - **Individual standards activities within the WG are, at the discretion of the WG, carried out by Task Forces (TF) operating under, and reporting to, the WG.**

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

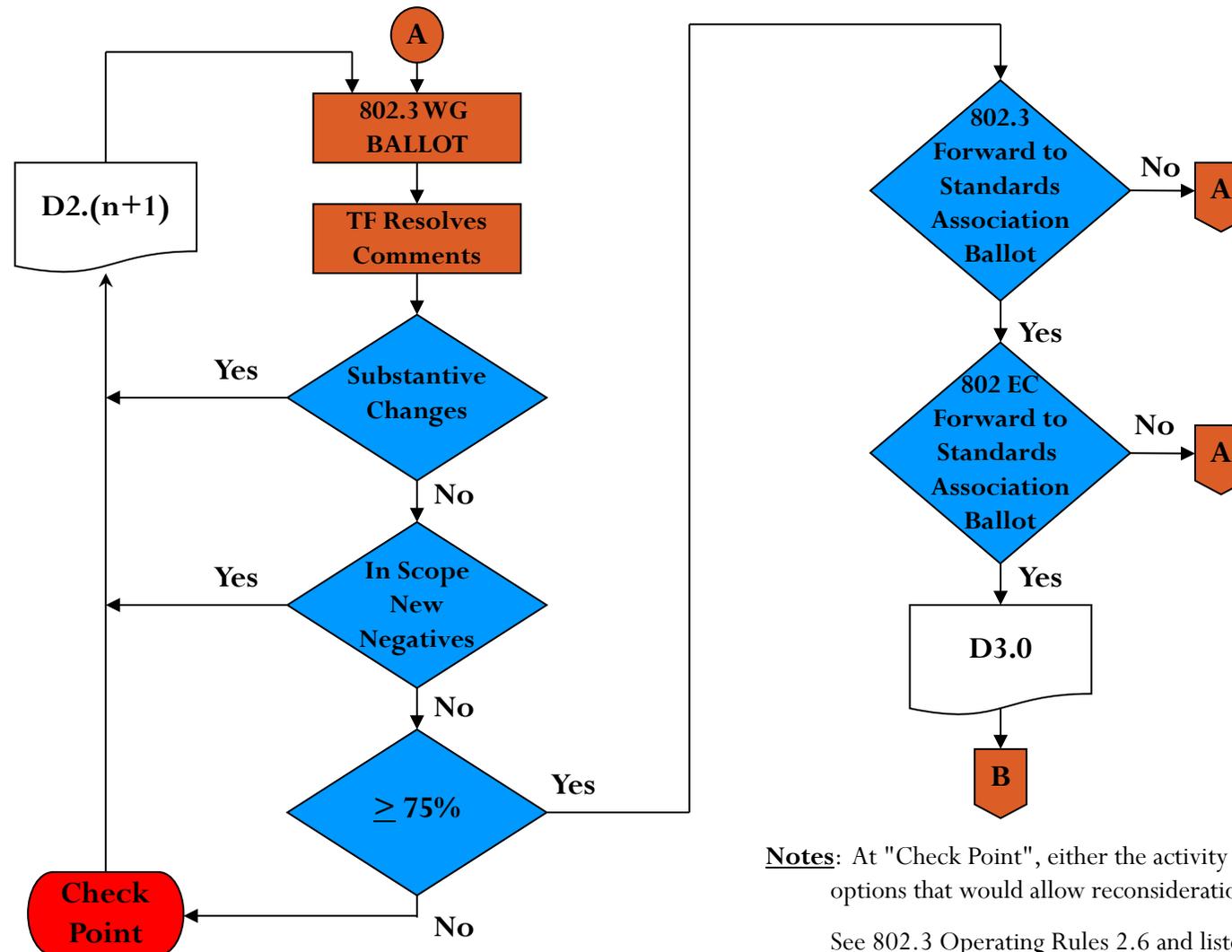


Note: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

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



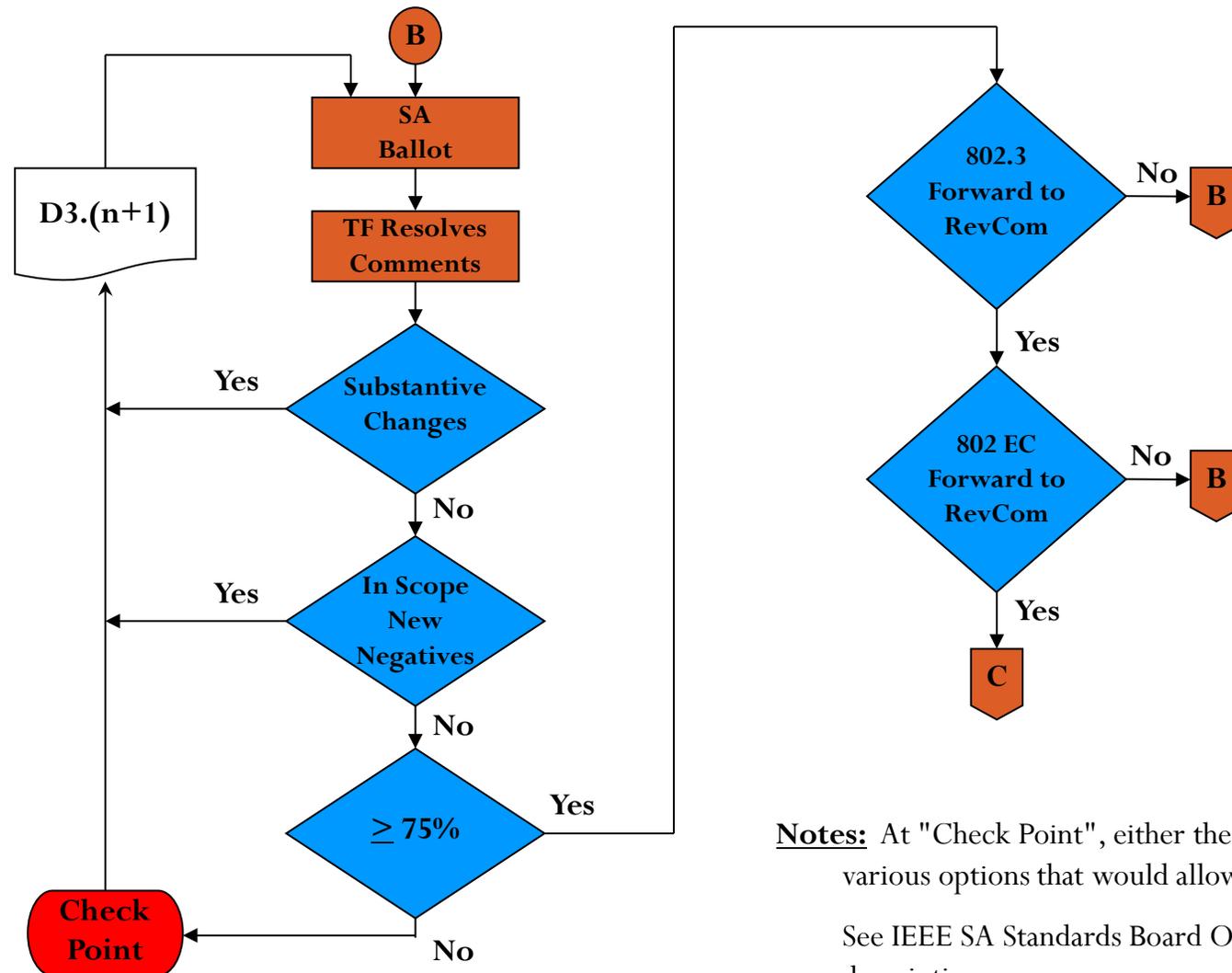
Overview of IEEE 802.3 Standards Process (3/5) – Working Group Ballot Phase



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 Operating Rules 2.6 and listed references for complete description

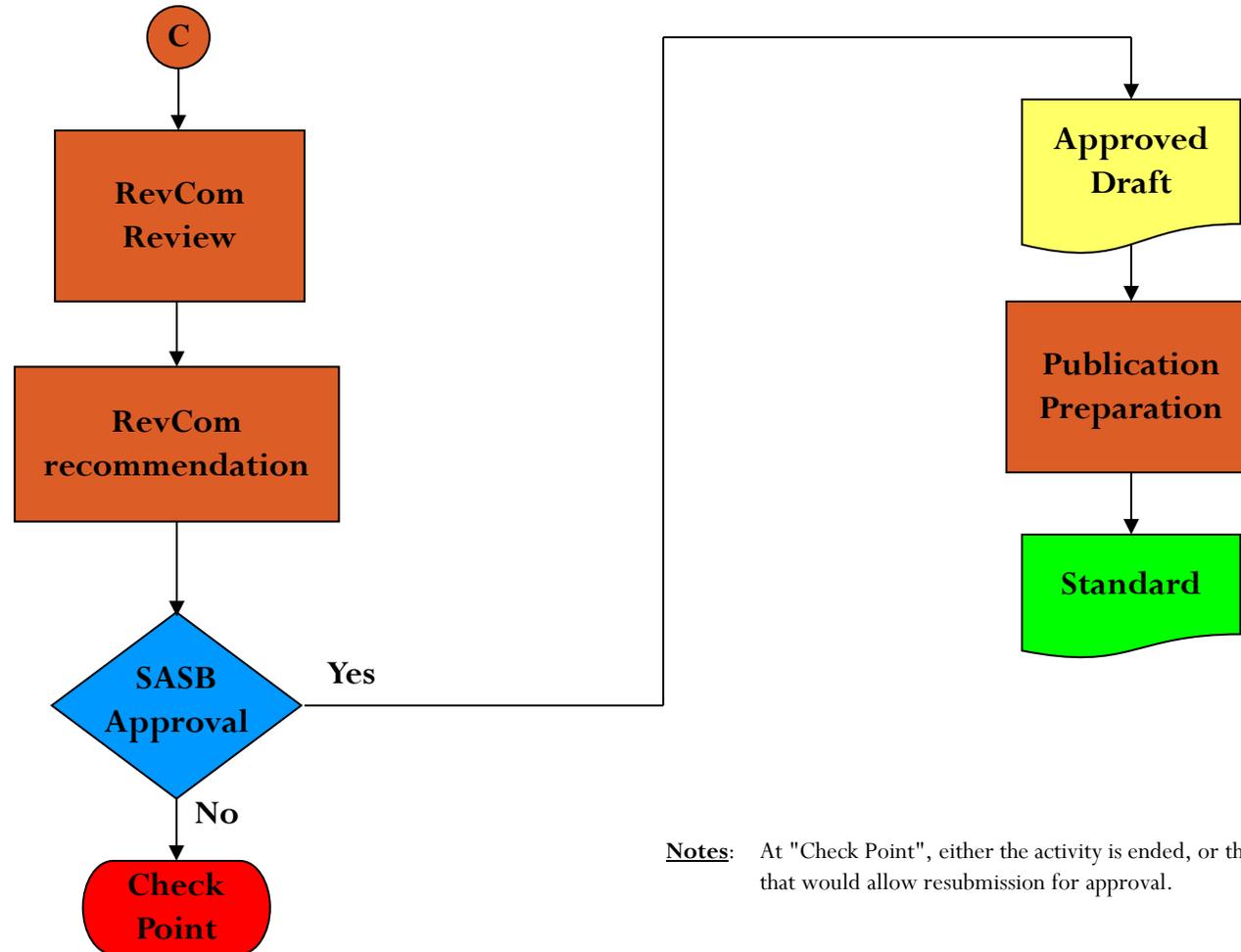
Overview of IEEE 802.3 Standards Process (4/5)- Standards Association (SA) Ballot Phase



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 Operation 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.

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.

■ 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
 - <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>

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

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

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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>