Meeting Reminders:

1. Participation in the Jan 2026 IEEE 802.3dj Interim meeting (face-to-face or remote) <u>requires</u> 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 Webex

     – Please send an email to Mabud Choudhury mabudchoudhury@ieee.org and Guangcan Mi miguangcan@huawei.com to be recorded in the minutes as an attendee

2. When Entering 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 P802.3ds 200 Gb/s per Wavelength MMF PHYs Task Force

Mabud Choudhury

Genuine Optics

Austin, TX, USA, 21 January 2026 Interim Meeting

Agenda

- Appointment of Recording Secretary
- Confirmation of Chair
- Welcome and Introductions
- Approve Agenda
- Approve 17 December 2025 Minutes
- Goals for this meeting
- Big Ticket Items
- Reflector and Web
- Ground Rules
- IEEE
  - Structure, Bylaws and Rules
  - Call for Patents
  - IEEE Standards Process
- Presentations
- Motions and Closing Business
- Future Meetings

P802.3ds TF Motion #2 - Agenda

Motion	**Move to approve the Agenda for IEEE 802.3ds 2026 January Interim Meeting, Slide 3 of** agenda_3ds_01a_2601.pdf
M:	
S:	
Procedural (>50%)	
All (Y/N/A)	
Results	

P802.3ds TF Motion #3 - December Telephonic Ad Hoc Minutes

Motion	Move to approve the meeting minutes for the IEEE 802.3 200GMMF Study Group December Telephonic Ad Hoc Meeting: unapproved_meeting_minutes_200gmmf_adhoc_01_251217.pdf
M:	
S:	
Procedural (>50%)	
All (Y/N/A)	
Results	

5

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)

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
- The chat can only send to "Everyone" or the officers
- Please send chat to Everyone to be placed into the queue
- Please observe proper decorum in meetings

Goals for the meeting

- Consider technical contributions that lay groundwork for and make progress towards:
  - adopting a baseline
  - P802.3ds TF requirements for new MMF to be liaised to IEC
  - meeting our objectives
- Review and adopt timeline

- Lay the groundwork for the next meeting

Big ticket items

- Announce Editorial team
- Adopt Timeline

IEEE P802.3ds Task Force Project information

- Organization
  - Mabud Choudhury, Acting Chair, IEEE P802.3ds Task Force
  - Guangcan Mi, Secretary, IEEE P802.3ds Task Force
  - Ramana Murty, Chief Editor, IEEE P802.3ds Task Force
  - Eric Bernier, Editor, IEEE P802.3ds Task Force
  - Roberto Rodes, Editor, IEEE P802.3ds Task Force

- Task Force web and reflector information:
  - Home page: https://ieee802.org/3/ds/index.html
  - Reflector Info: https://ieee802.org/3/200GMMF/reflector.html

- Project Documentation –
  - PAR: https://ieee802.org/3/ds/P802.3ds_PAR.pdf
  - CSD: https://mentor.ieee.org/802-ec/dcn/25/ec-25-0217-01-LMSC-draft-ieee-p802-3ds-csd.pdf
  - Objectives: https://www.ieee802.org/3/200GMMF/objectives_200gmmf_01_251113.pdf

- Task Force meeting information may be found on:
  - 802.3 Calendar: https://ieee802.org/3/calendar.html

Task Force Private Area

- URL: https://ieee802.org/3/ds/private/index.html
  - Username: (shown during meeting)
  - Password: (shown during meeting)

- Write it down…

- Note - The draft, and any other content, is posted for your review only, and neither the content nor access information should be copied or redistributed to others in violation of document copyrights.

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

Attendance

- For January Interim Meetings – Registration Fees Mandatory

  - 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 Webex,
      - Please send an email to Mabud Choudhury mabudchoudhury@ieee.org and Guangcan Mimiguangcan@huawei.com 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/
      - (For interim) Password will be provided (if one is used)

- Please be sure to sign-in with your name / affiliation information
- Webex attendance will be used to identify remote attendance as well.

Voting

❑ Per https://www.ieee802.org/3/email_dialog/msg01758.html -

IEEE 802.3 Working Group will hold an interim meeting from 19h00 to 21h00 CST (UTC -6) on Thursday, 22 January 2026, at the

Westin Austin at The Domain, Austin, TX, USA, during the IEEE 802.3 January 2026 interim meeting series. As with all meetings held during the IEEE 802.3 January 2026 interim meeting series, the IEEE 802.3 Working Group interim meeting will be held in person, with provision for remote attendance provided on a best-effort basis.

Jan 2026 Interim is electronic meeting.

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.
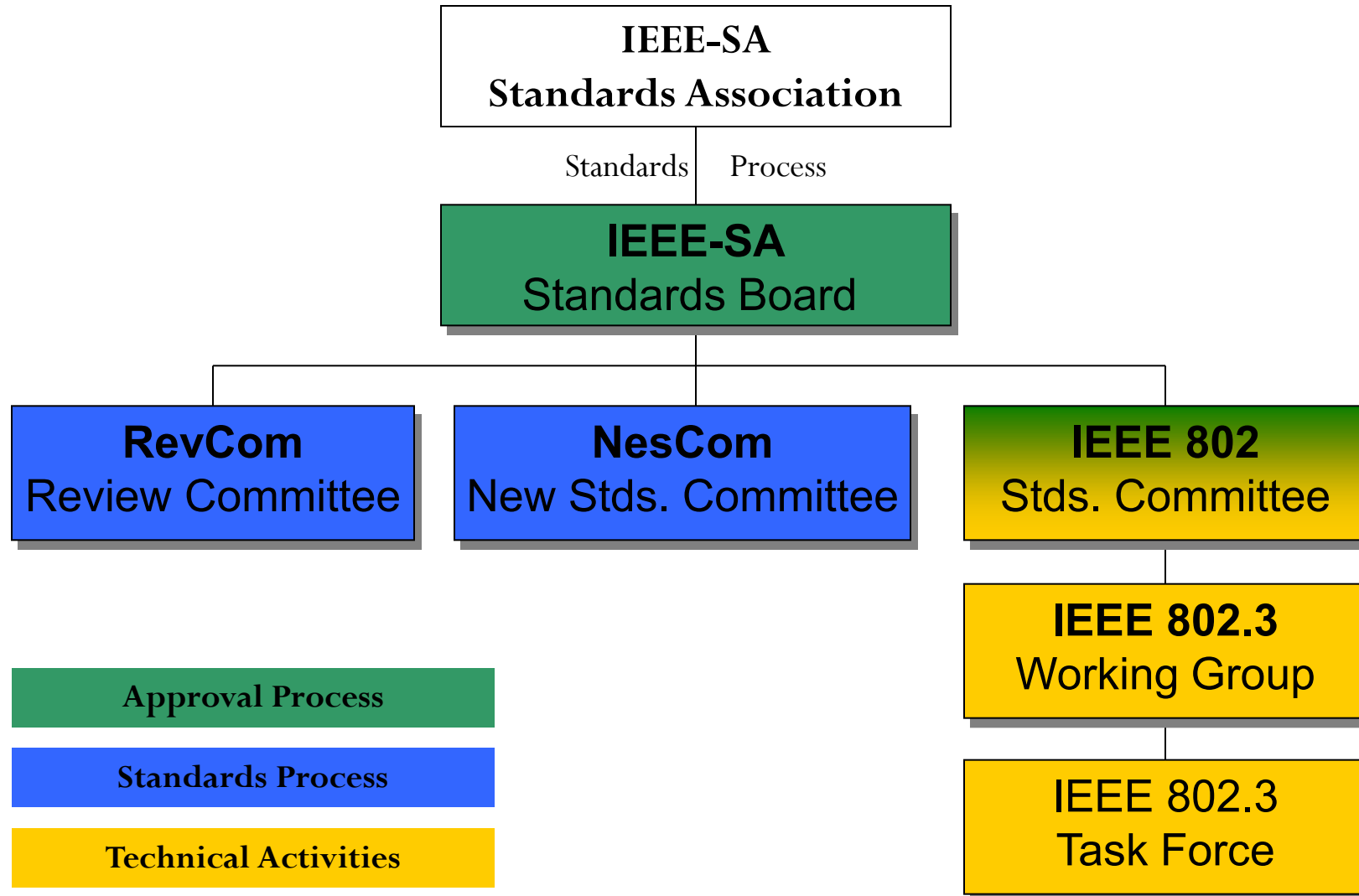
In face-to-face meetings where a TF is operating with membership rules for voting (see 3.3) only the TF members may make and vote on motions. In face-to-face meetings where membership rules are not in force all TF participants may make and vote on motions, subject only to the provision that they believe 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

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

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 <u>shall</u> 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 <u>should</u> 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

IEEE SA STANDARDS ASSOCIATION

◈IEEE

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

IEEE SA STANDARDS ASSOCIATION

◆IEEE

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 STANDARDS ASSOCIATION

◆IEEE

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 STANDARDS ASSOCIATION

◆IEEE   2

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 STANDARDS ASSOCIATION

◈IEEE 3

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 STANDARDS ASSOCIATION

◈IEEE   4

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*

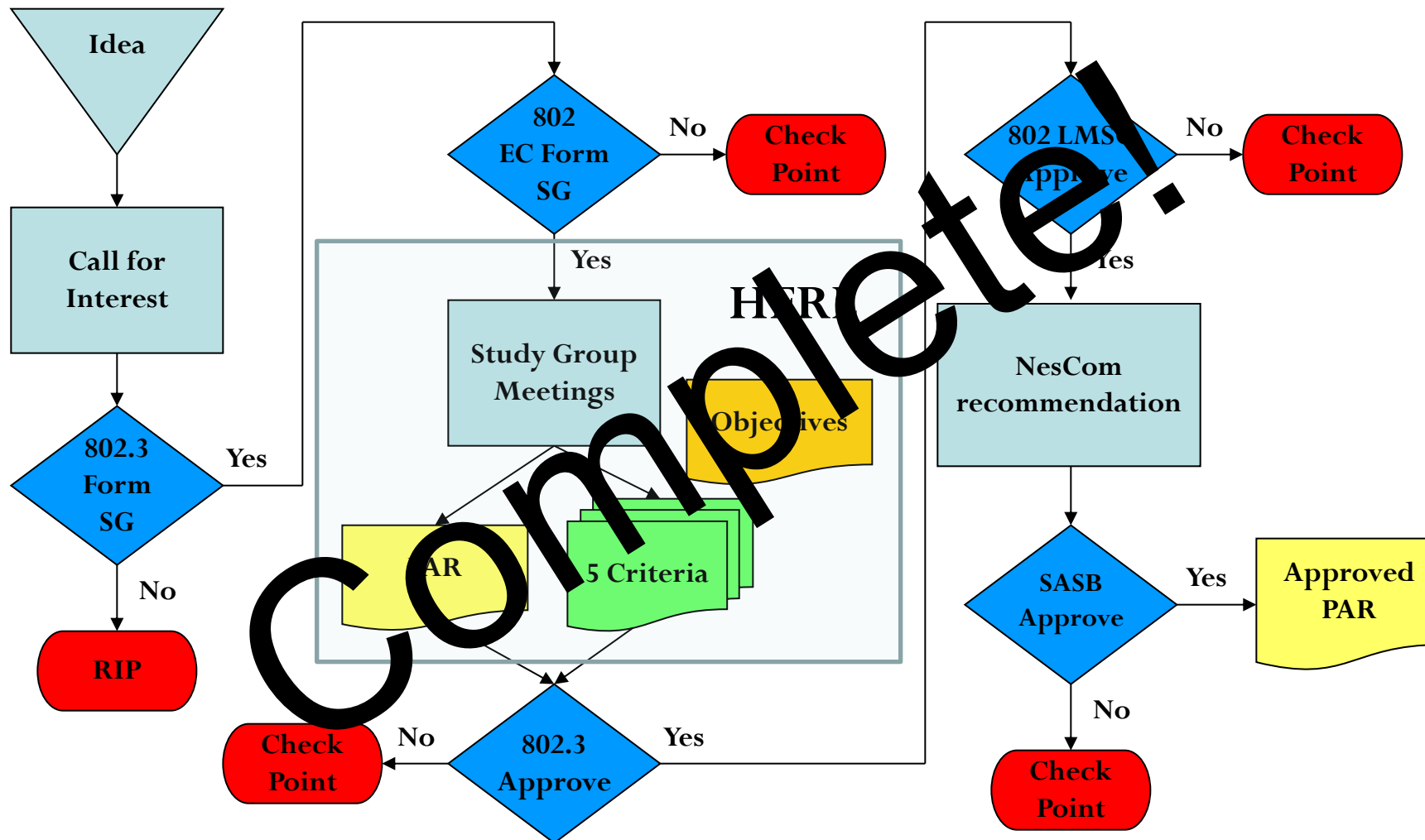- The most recent versions of these Codes are available at
  http://www.ieee.org/about/corporate/governance

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
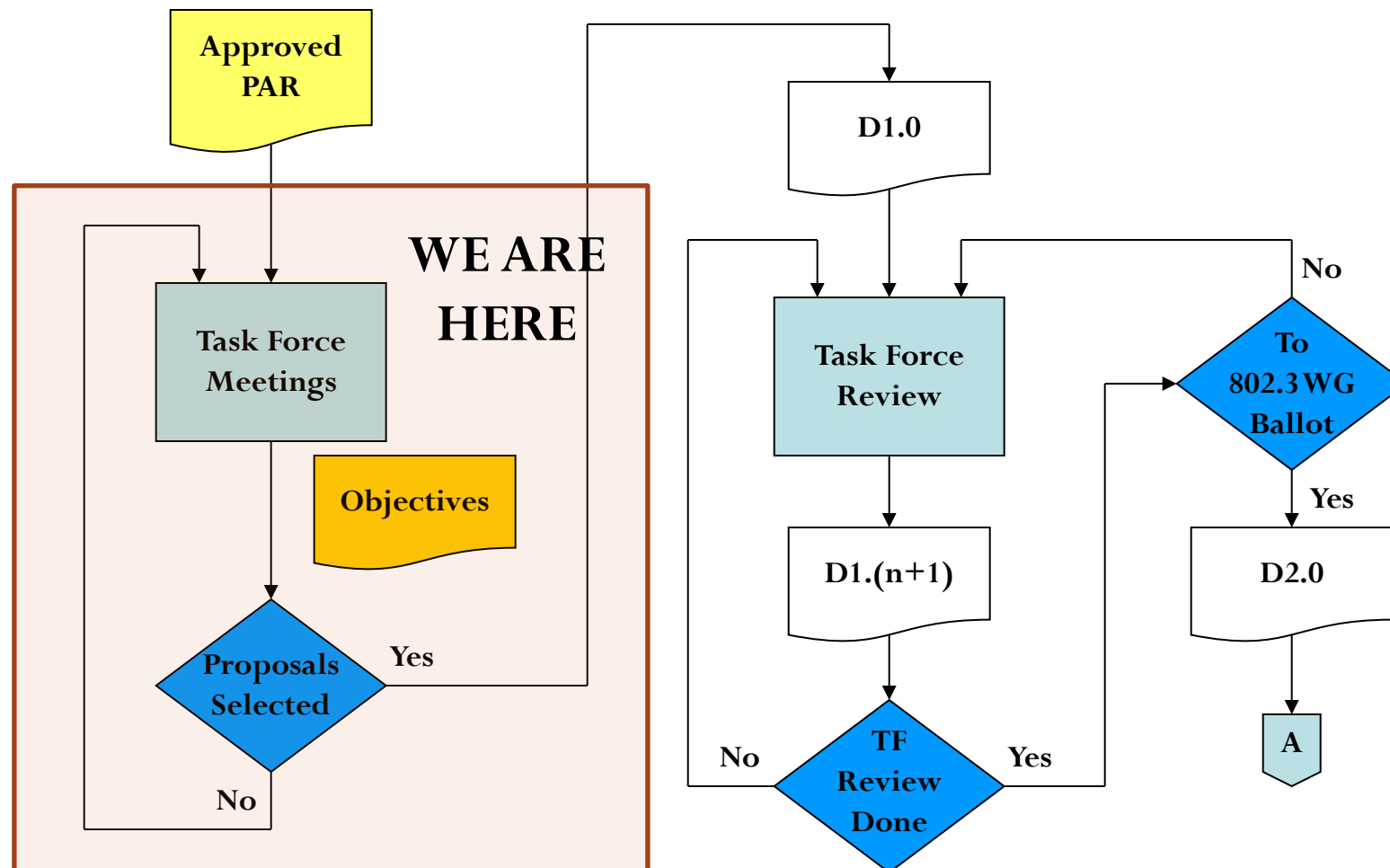
- The IEEE-SA Standards Board Bylaws (clause 5.2.1.3) specifies that "*the standards development process shall not be dominated by any single interest category, individual, or organization*"

  – 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

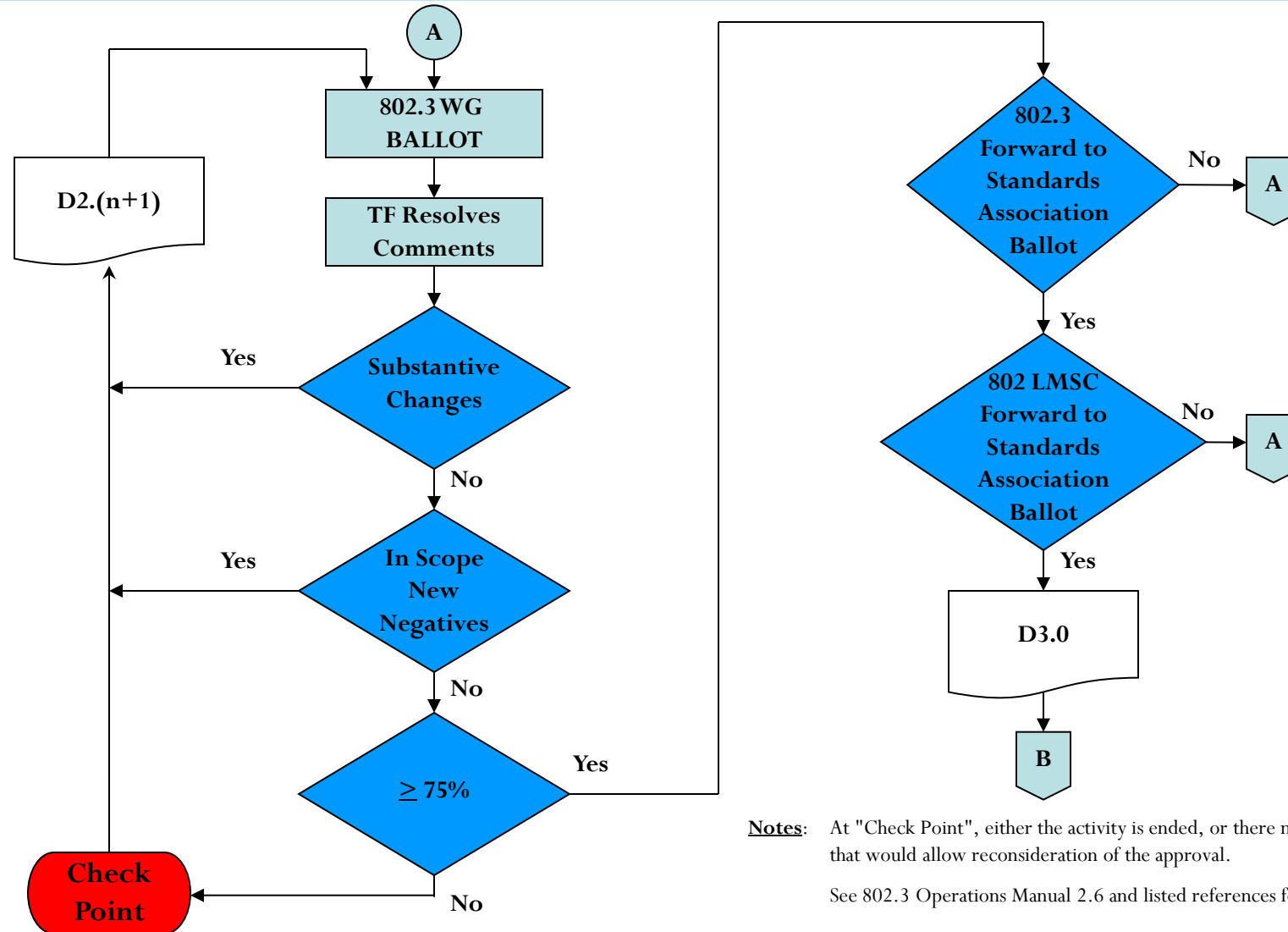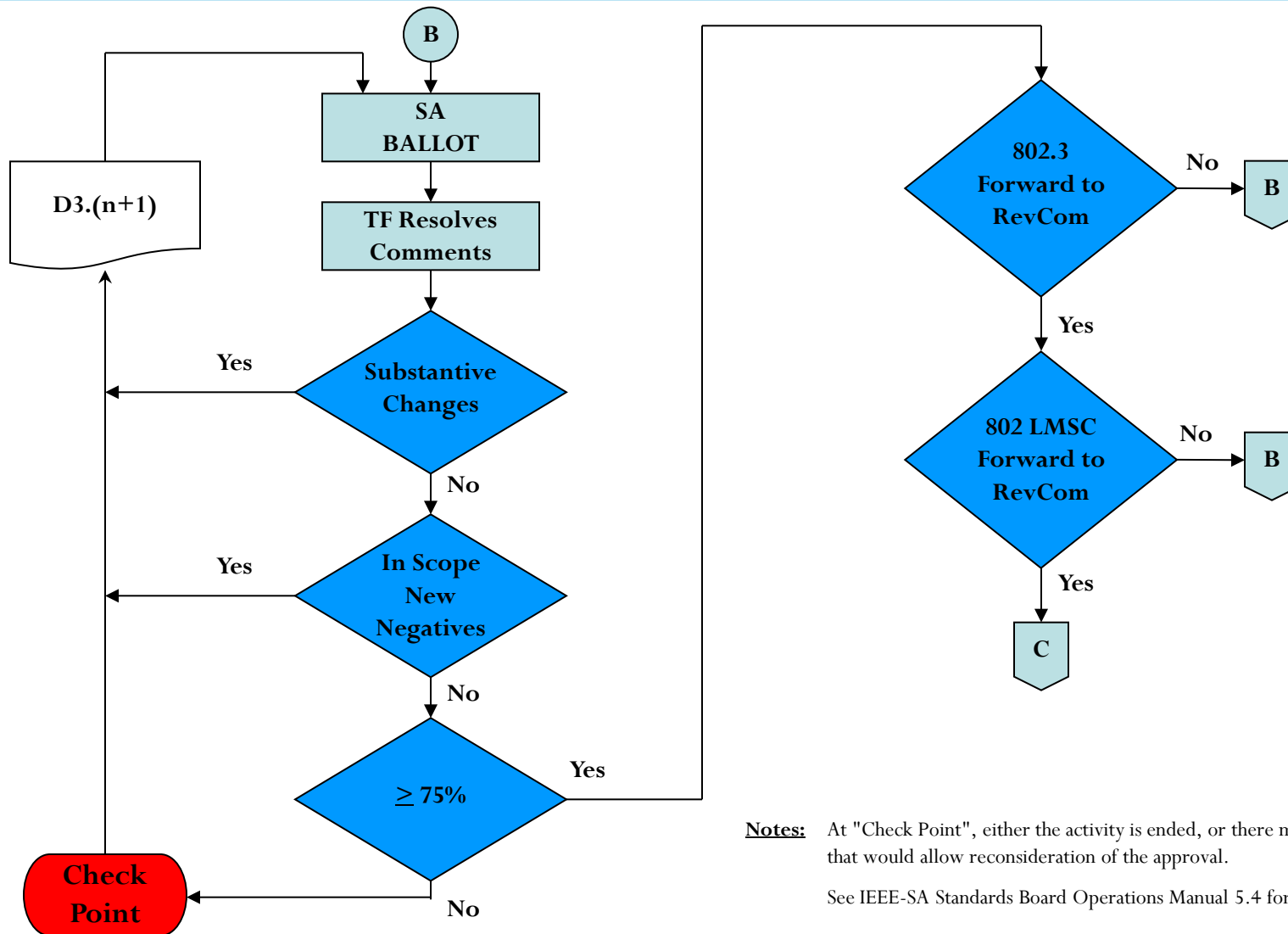# Overview of IEEE 802.3 Standards Process (1/5)- Study Group Phase

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

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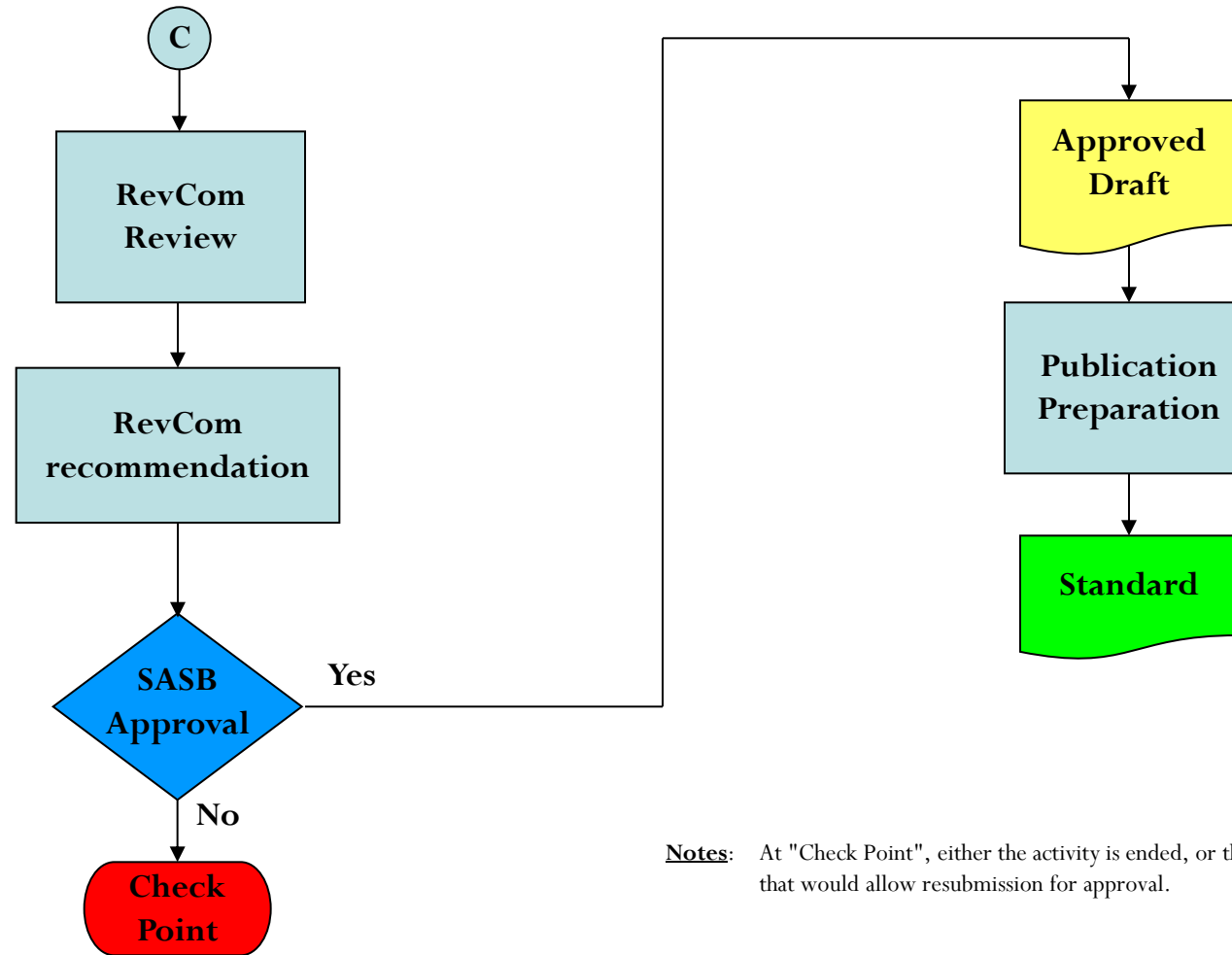
Overview of IEEE 802.3 Standards Process (4/5)-IEEE Standards Association (SA) Ballot Phase

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.

Liaisons and Communications

- None for this meeting

Action Items

- None for this meeting

IEEE P802.3ds TF Objectives

200GMMF SG Approved Objectives (1 of 3)

- **Non-Rate Specific**
  - Support full-duplex operation only
  - Preserve the Ethernet frame format utilizing the Ethernet MAC
  - Preserve minimum and maximum FrameSize of current IEEE 802.3 standard
  - Support a BER of better than or equal to 10 -13 at the MAC/PLS service interface (or the frame loss ratio equivalent)

Objectives Approved by IEEE 802.3 WG on 13 November 2025   1

200GMMF SG Approved Objectives (2 of 3)

- **200 Gb/s Related**
  - Support a MAC data rate of 200 Gb/s
  - Define a physical layer specification that supports 200 Gb/s operation:
    - over 1 pair of MMF with lengths up to at least 30 m
    - over 1 pair of MMF with lengths up to at least 50 m

- **400 Gb/s Related**
  - Support a MAC data rate of 400 Gb/s
  - Define a physical layer specification that supports 400 Gb/s operation:
    - over 2 pairs of MMF with lengths up to at least 30 m
    - over 2 pairs of MMF with lengths up to at least 50 m

Objectives Approved by IEEE 802.3 WG on 13 November 2025   2

200GMMF SG Approved Objectives (3 of 3)

- **800 Gb/s Related**
  - Support a MAC data rate of 800 Gb/s
  - Define a physical layer specification that supports 800 Gb/s operation:
    - over 4 pairs of MMF with lengths up to at least 30 m
    - over 4 pairs of MMF with lengths up to at least 50 m

- **1.6 Tb/s Related**
  - Support a MAC data rate of 1.6 Tb/s
  - Define a physical layer specification that supports 1.6 Tb/s operation:
    - over 8 pairs of MMF with lengths up to at least 30 m
    - over 8 pairs of MMF with lengths up to at least 50 m

Objectives Approved by IEEE 802.3 WG on 13 November 2025   3

Presentations & Meeting Map

- <u>Wednesday, 21 January, AM1/AM2</u>
  - <u>Proposed Options for a 1060 nm Optimized MMF</u> – Castro
  - <u>Updated 1060nm Data</u> – Lewis
  - <u>200 Gb/s over OM4 &OM4yy Baseline link proposals</u> – Bernier
  - <u>IEEE P802.3ds TF Timeline Proposal</u> – Mi

Future Meetings

- IEEE P802.3ds TF Feb 2026 Electronic Ad Hoc (if needed)
  - Wednesday, 04 Feb 2026, 10 AM – 1 PM EST (UTC -5)
  - https://www.ieee802.org/3/calendar.html
  - No registration or registration fee required

- IEEE P802.3ds TF Mar 2026 Electronic Ad Hoc (if needed)
  - Tuesday, 03 Mar 2026, 10 AM – 1 PM EST (UTC -5)
  - https://www.ieee802.org/3/calendar.html
  - No registration or registration fee required

Future Meetings

- IEEE 802.3: https://www.ieee802.org/3/interims/index.html
  IEEE P802.3ds TF plenary and interim meetings
  These plenary and interim meeting (in-person and virtual) require registration and payment of registration fee

- IEEE 802 Mar 2026 Plenary
  - Week of Mar 9-13
  - Vancouver, BC, Canada
- IEEE 802.3 May 2026 Interim
  - Week of May 11-15
  - Munich Germany
- IEEE 802 July 2026 Plenary
  - Week of July 13 – 17
  - Montreal, Quebec, Canada

P802.3ds TF Motion #5 - Adjourn

Motion	Move to Adjourn 802.3ds 2026 January Interim TF Meeting
M:	
S:	
Procedural (>50%)	
All (Y/N/A)	
Results	

Thank You!