Agenda and General Information

IEEE P802.3dk

Greater than 50 Gb/s Bidirectional Optical Access PHYs Task Force

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Futurewei Technologies
Zoom Teleconference, 24 June 2025

Agenda

- Welcome and Introductions
- Approve Agenda
- Approve May meeting Minutes
- Goals for this meeting
- Big Ticket Items
- Reflector and Web
- Ground Rules
- IEEE
  - Structure, Bylaws and Rules
  - Call for Patents
  - IEEE Standards Process
- D2.2 Comment Resolution and Presentations
- Motions and Closing Business
- Future Meetings

Motion #1, #2

- Move to approve this agenda
  - M: S:
  - Yes: No: Abs:
  - Motion result: Approved by voice vote without opposition
- Move to approve the minutes from May 2025, located at:

https://www.ieee802.org/3/dk/public/2505/2505_8023dk_unapproved_minutes.pdf
  - M: S:
  - Yes: No: Abs:
  - Motion result: Approved by voice vote without opposition

Study Group Decorum

- An officer is permitted to make an audio or slideshow recording of this meeting exclusively for the purpose of generating minutes which shall not be copied or distributed. **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. (January 2020 IEEE-SA Standards Board Ops Manual 5.3.3.2)
- Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (January 2020 IEEE-SA Standards Board Ops Manual 5.3.3.3)
- 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 observe proper decorum in meetings

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
- << Use the "**Raise Hand**" function to be placed into the queue >>
  - << Don't forget to lower your hand once recognized >>
- The chat can only send to "Everyone" or the officers
- Please observe proper decorum in meetings

Goals for the meeting

- Draft D2.2 comment resolution

Big ticket items

- Draft D2.2 comment resolution
- Prepare for Draft D2.3 and review

Reflector and Web

- To subscribe to the IEEE P802.3dk reflector, send an email to:

  ListServ@ieee.org

  with the following in the body of the message (do not include "<>"):

  subscribe stds-802-3-GT50GBIDI <yourfirstname> <yourlastname>

  end

- Send <<*Study Group name*>> reflector messages to:

  stds-802-3-GT50GBIDI@listserv.ieee.org

- Study Group web page URL:

  https://www.ieee802.org/3/dk

Study Group Private Area

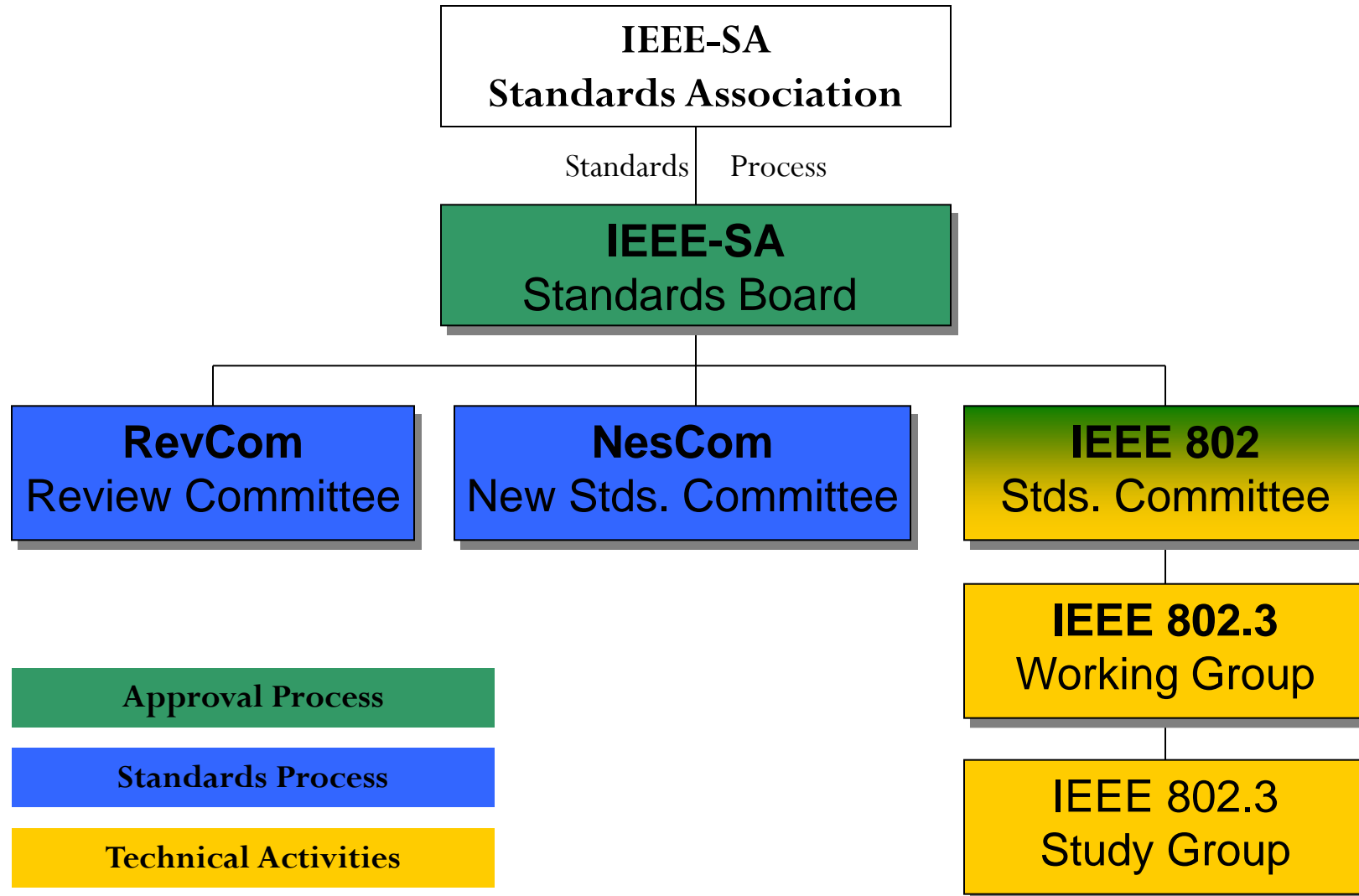- URL: https://www.ieee802.org/3/dk/private/index.html
  - Username: <<*XXXXXX*>>
  - Password: <<*XXXXXXX*>>

- Write it down…

- Note - The 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

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**

IEEE SA STANDARDS ASSOCIATION

08 June 2021

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

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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

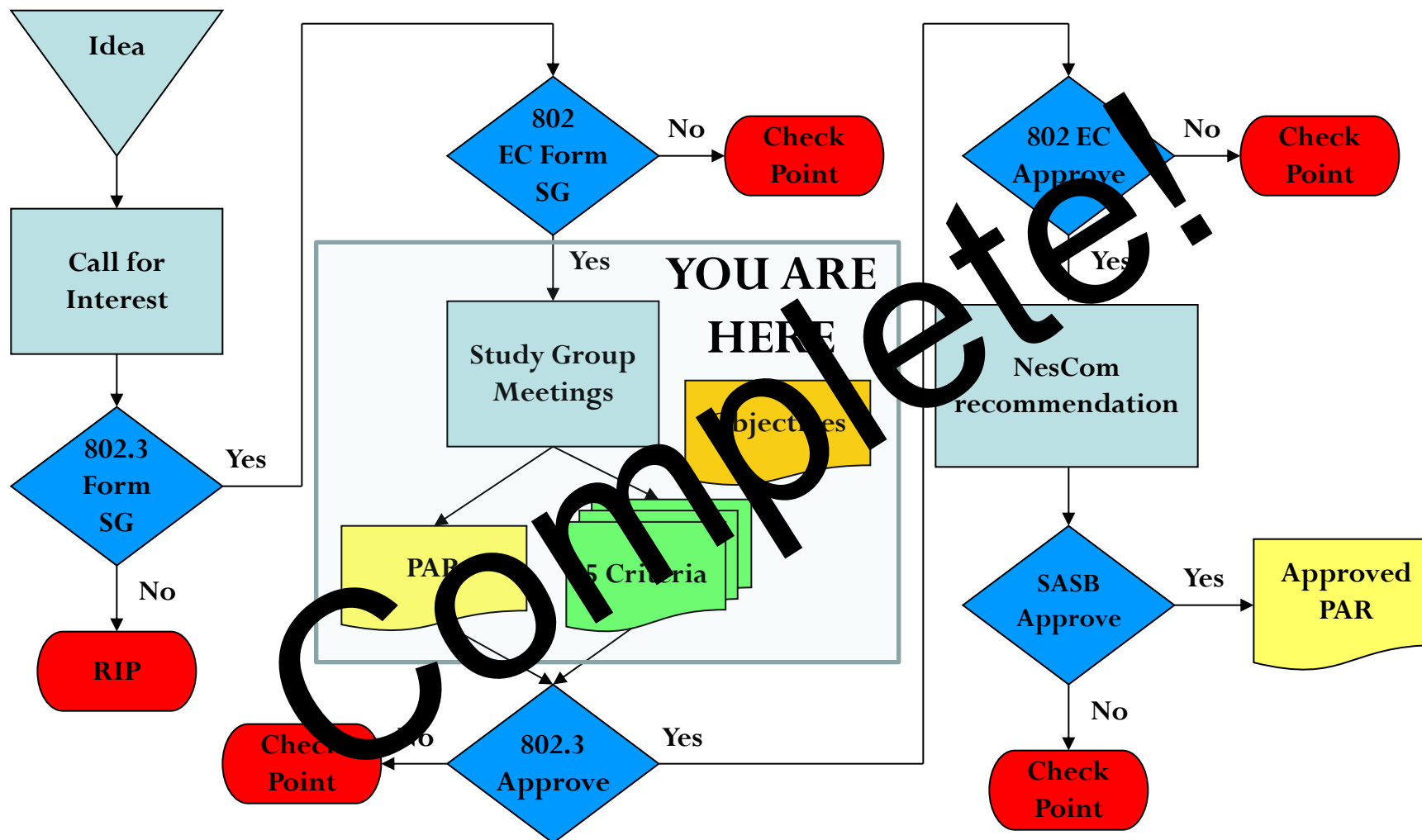# Participants in the IEEE-SA "*individual process*" shall act independently of others, including employers

- 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

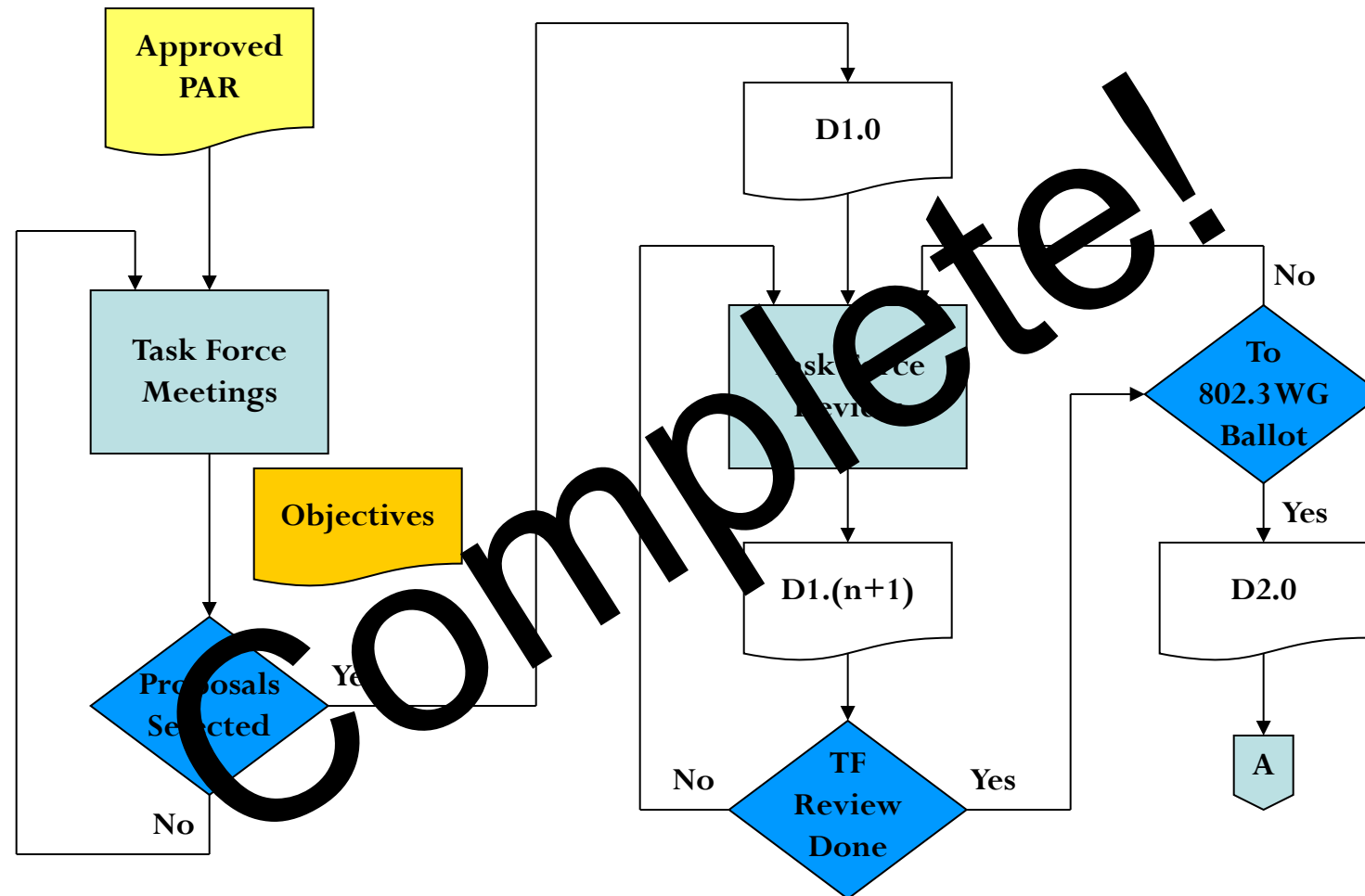# IEEE-SA standards activities shall allow the fair & equitable consideration of all viewpoints

- 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
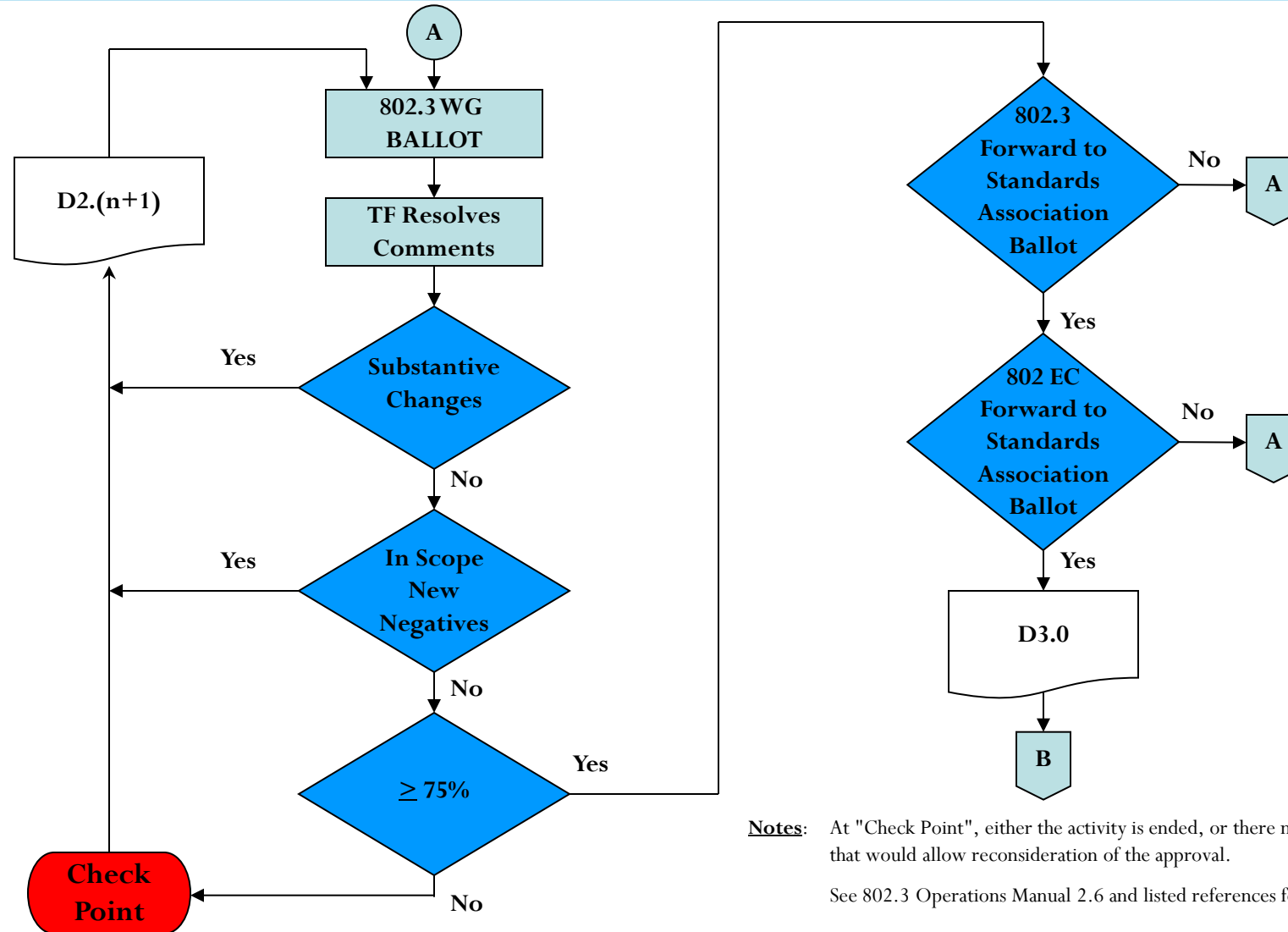
Slide 3

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

A

802.3 WG BALLOT

D2.(n+1)

TF Resolves Comments

Substantive Changes — Yes

In Scope New Negatives — Yes

No

No

≥ 75% — Yes

No

Check Point

802.3 Forward to Standards Association Ballot — No → **A**

Yes

802 EC Forward to Standards Association Ballot — No → **A**
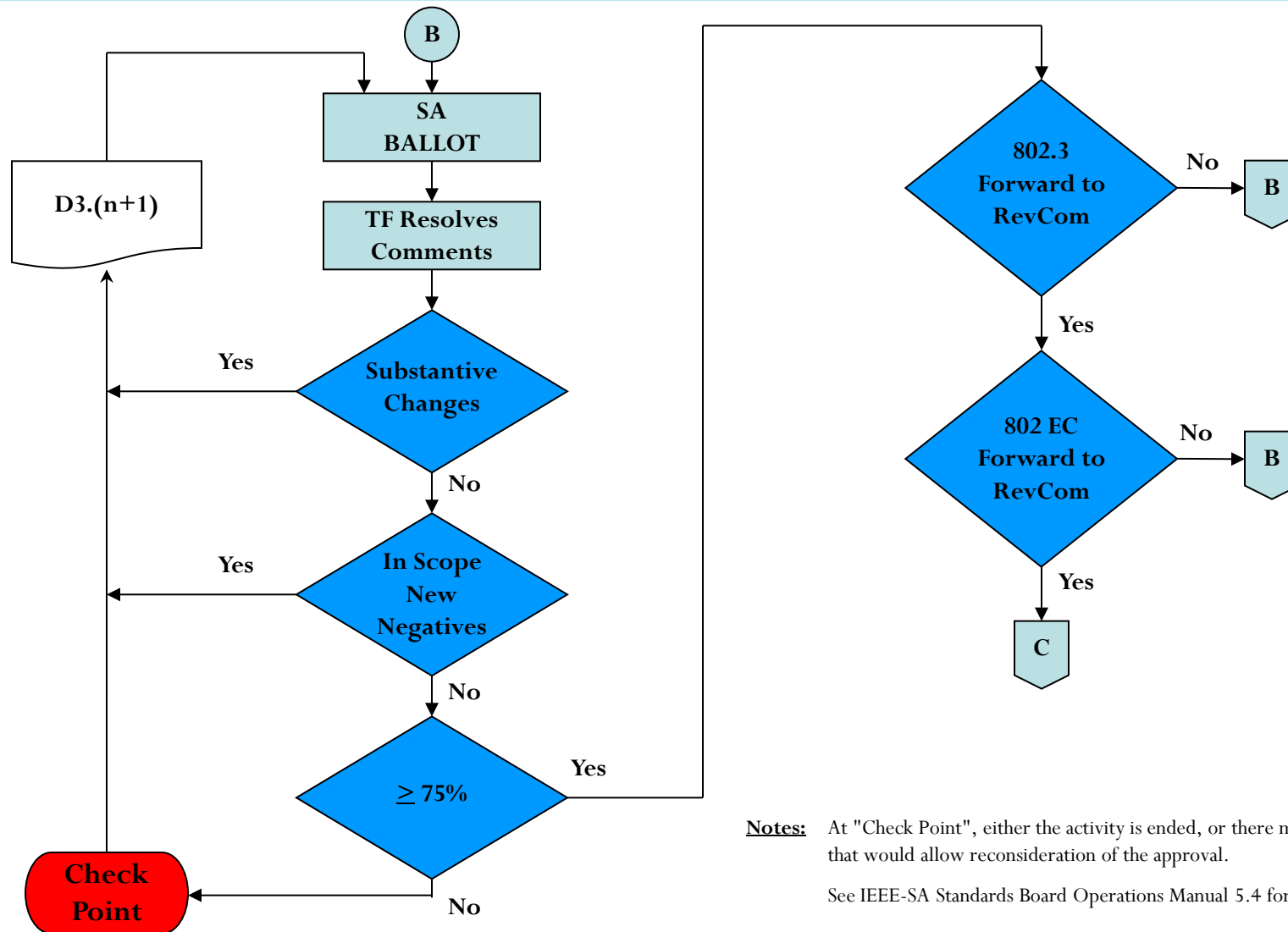
Yes

D3.0

B

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

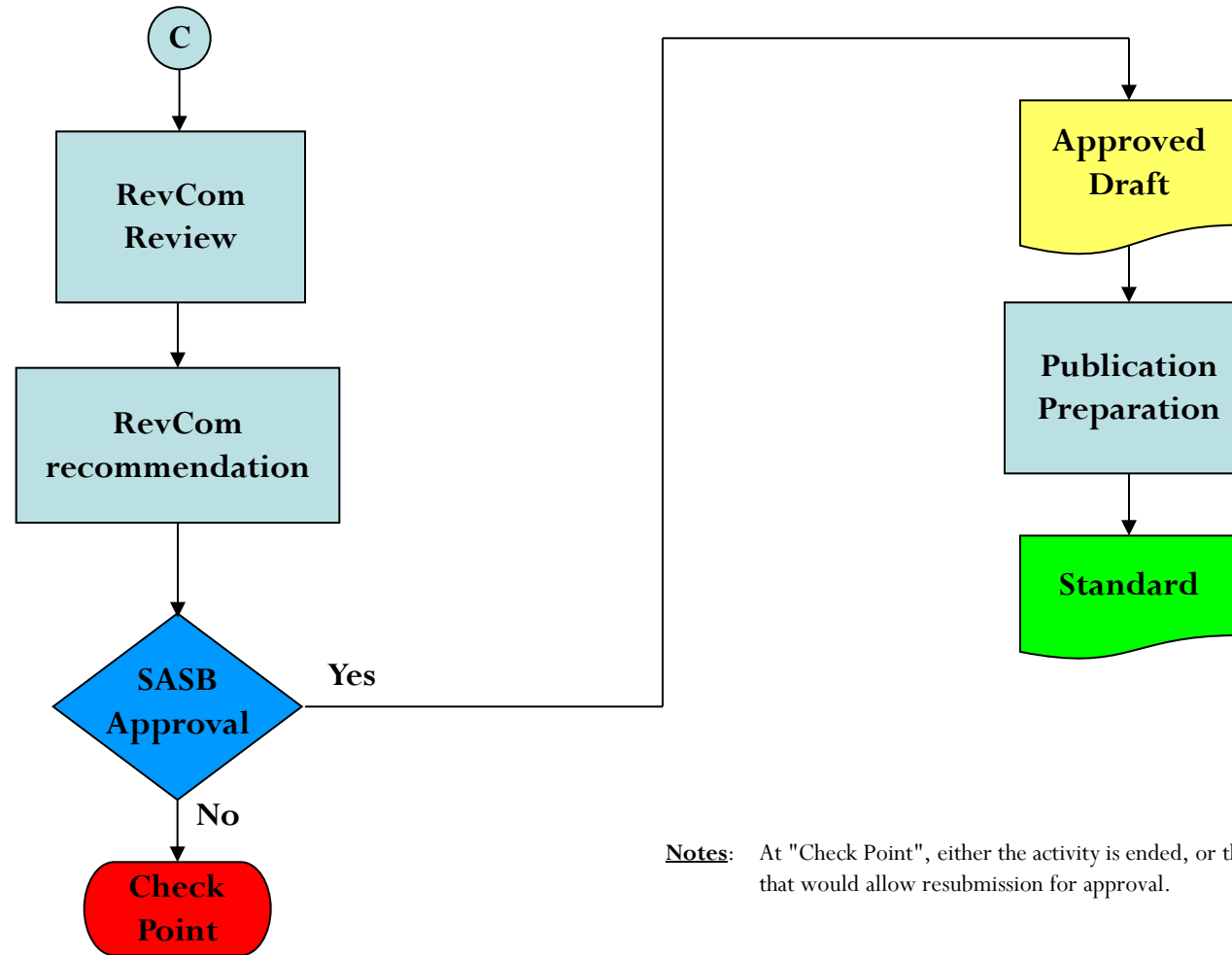See 802.3 Operations Manual 2.6 and listed references for complete description

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.

Attendance

- Tutorial Material on attendance tool
  - http://ieee802.org/3/minutes/attendance_procedures.pdf

- Access details
  - URL: http://imat.ieee.org/
  - (For interim) Password will be provided

IEEE P802.3dk Greater than 50 Gb/s BiDi Optical Access PHYs Task Force Approved Project Documents

- PAR
  - https://www.ieee802.org/3/dk/P802d3dk_PAR.pdf
- 5 Criteria
  - https://mentor.ieee.org/802-ec/dcn/22/ec-22-0268-00-ACSD-ieee-p802-3dk.pdf
- Objectives (updated after Nov 2024 plenary)
  - https://www.ieee802.org/3/dk/P802.3dk_OBJ_Update.pdf
- Timeline (posted after Nov 2024 plenary)
  - https://www.ieee802.org/3/dk/P802.3dk_Timeline.pdf

Draft D2.2 Comment Resolution

- Draft D2.2 is available
  - URL: https://www.ieee802.org/3/dk/private/8023dk-draft-v2.2-changes.pdf

  - D2.2 review window was 27 May – 11 June
- D2.2 comments and proposed resolutions are posted

  - URL: https://www.ieee802.org/3/dk/comments/index.html
- Sisi Tan (Chief Editor) to lead D2.2 comment resolution

D2.2 Review Stats

Voters	244
Approve	142
Disapprove with comment	7
Abstain	31
Returns	180
Comments	54

Response rate:	73.77% (> 50% required)
Approval rate:	95.30% (< 30% required)
Abstain rate:	17.22% (>= 75% required)

Presentation

Title	Contributor	Affiliation
1. 802.3dk D2.2 Comment Review	Sisi Tan	Huawei
2. 100GBASE-BR10 Updated MPI Penalty Calculation: Support for comments against D2.2	Kenneth Jackson John Johnson	Sumitomo Electric Broadcom

Motion #3

- Move to generate P802.3dk Draft D2.3 based on comment resolutions reached in the June 24-26, 2025 Zoom meeting.

- Technical (>=75%)

- M: S:

- Results Y: N: A:

- Approved by voice vote without opposition

Future Meetings

- See: http://www.ieee802.org/3/interims/index.html

- July 2025 Plenary
  - Madrid, Spain
  - July 27 - Aug 1, 2025 (dk will meet on Monday afternoon and Tuesday)

- September 2025 Interim
  - Minneapolis, USA
  - September 15 - 19, 2025

- November 2025 Plenary
  - Bangkok, Thailand
  - November 10 - 14, 2025

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

Motion #4

- Move to adjourn the meeting.

- Procedural (>50%)

- M: S:

- Results Y: N: A:

- Approved by voice vote without opposition

Thank You!