May 2025 Interim Reminders:

1. Participation in the IEEE 802.3 Interim meeting (face-to-face or remote) **requires** registration and payment of registration fee. This meeting counts towards IEEE 802.3 Working Group voting membership.

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

3. 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.

Agenda and General Information

IEEE P802.3dj Task Force
May 2025 Interim Meeting

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

Non-payment of registration fees

Every attendee (Face-to-Face or Remote)
at any IEEE 802.3 meeting during the May 2025 IEEE 802.3 Interim must register and pay a fee to participate

<u>If the individual is in arrears:</u>

[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 May 2025 Interim Agenda

- Approve Agenda
- Approve Minutes (see next page)
- Meeting map & details
- Meeting Decorum
- Attendance
- Task Force Project Information
- Goals For Session
- Requesting WG Ballot
- Ground Rules
- Voting / Voting Rights / Membership
- Review IEEE SA Policies (http://ieee802.org/3/policies.html / included) *
- Liaisons Overview
- Motion – Proceed to WG Ballot
- Technical Presentations in preparation for WG Ballot
- Motions
- Closing Business

* Note – additional slides covering procedures and IEEE-SA Policies are in Backup

Minutes to be Approved

- **IEEE P802.3dj TF –**
  - **Mar 2025 Plenary**

    https://www.ieee802.org/3/dj/public/25_03/minutes_3dj_2503_unapproved.pdf

- **Joint Optical / Logic / Electrical Ad hoc**
  - **None**

- **COM Ad Hoc**
  - **None**

IEEE 802.3dj May 2025 Interim Meeting Map

	Mon	Tues	Wed	Thurs
AM1		TF	TF	IEEE 802.3 COM Ad hoc
AM2		TF	TF	
LUNCH				
PM1		TF	TF	TF
PM2		TF	TF	TF

- Notes –
    - Meeting invites have been sent out for all sessions and are on the 802.3 calendar.
    - Any announcements regarding meetings and or presentations will be sent to the Task Force reflector (stds-802-3-b400g@listserv.ieee.org). Individuals should be subscribed to the reflector (See https://www.ieee802.org/3/df/reflector.html if not currently subscribed).

May 2025 Session, Tues 13 May 2025

Time	Presenter			File Name
8:00 AM	John D'Ambrosia	Futurewei, U.S. Subsidiary of Huawei	Agenda and General Information	agenda_3dj_2505
8:25 AM	Motions			
8:35 AM	John Johnson	Broadcom	Proposal for P802.3dj MPI penalty calculation and specification	johnson_3dj_01_2505
9:05 AM	Ali Ghiasi	Ghiasi Quantum/Marvell	Revisiting MPI Penalty for Optical PMDs	ghiasi_3dj_01_2505
9:35 AM	Discussion			
10:00 AM	Break			
10:30 AM	Michael He	TeraHop	Receiver Sensitivity Measured by Block Error Ratio Method	he_3dj_01_2505
11:00 AM	Mark Kimber	Semtech	Transmitter Optimization, TDECQ and Inter-op	kimber_3dj_01_2505
11:30 AM	Ahmad El-Chayeb	Keysight Technologies	TDECQ Correlation to Link Performance	chayeb_3dj_01_2505
12:00 PM	Discussion			
12:10 PM	Lunch			
1:15 PM	Eric Maniloff	Ciena	Optical specification alignment of 800GBASE-LR1 & 800GBASE-ER1	maniloff_3dj_01_2505
1:45 PM	Ahmad El-Chayeb	Keysight Technologies	ETCC Analysis on OFC2024 and OFC2025 Plugfest Data	chayeb_3dj_02_2505
2:15 PM	Discussion			
3:00 PM	Break			
3:30 PM	Rangchen Yu	Terahop	Multicore Fiber (MCF) Options for 400G-PAM4 Data Center Connnectivities	yu_3dj_01_2505
4:00 PM	Discussion			
6:00 PM	Meeting Recessed for the Day			

Note – Straw polls may occur during any agenda item.

May 2025 Session, Wed 14 May 2025

Time	Name	Affiliation	Topic	Reference
9:00 AM	John D'Ambrosia	Futurewei, U.S. Subsidiary of Huawei	Chair Opening Comments	
9:10 AM	Richard Mellitz	Samtec	S-Parameter Stop Frequency Impact on COM and ERLfor CR/KR and C2M Channels	melitz_3dj_01_2505
10:00 AM	Break			
10:30 AM	Richard Mellitz	Samtec	SNDR REF Evaluation and Data	melitz_3dj_02_2505
11:20 AM	Richard Mellitz	Samtec	SNR MDFEXT and MTF specifications	melitz_3dj_03_2505
12:10 PM	Lunch			
1:10 PM	Hossein Shakiba	Huawei Technologies Canada	Quantization Noise in COM – Direct Model or Proxy?	shakiba_3dj_01_2505
2:05 PM	Sam Kocsis	Amphenol	MTF Performance Evaluation	kocsis_3dj_01_2505
3:00 PM	Break			
3:30 PM	Ali Ghiasi	Ghiasi Qunatum	Challenges with dSNDR Measurement	ghiasi_3dj_02_2505
4:20 PM	Discussion			
6:00 PM	Meeting Recessed for the Day			

Note – Straw polls may occur during any agenda item.

May 2025 Session, Thurs 15 May 2025

Time	Name	Affiliation	Topic	File
8:00 AM	IEEE 802.3 COM Ad hoc			
12:10 PM	Lunch			
1:15 PM	John D'Ambrosia	Futurewei, U.S. Subsidiary of Huawei	Chair Opening Comments	
1:25 PM	Kent Lusted	Synopsys	AN and ILT Timers, and Timeout Topic - May Update	lusted_3dj_01_2505
2:05 PM	Adee Ran	Cisco	AN timeout and fast restart mechanism	ran_3dj_02_2505
3:00 PM	Break			
3:30 PM	Ali Ghiasi	Ghiasi Qunatum/Marvell	Block TDECQ Test Method	ghiasi_3dj_03_2505
4:10 PM	Adee Ran	Cisco	MTTFPA with stateless PCS decoder	ran_3dj_03_2505
4:50 PM	Closing Business			
5:30 PM	Adjourn			

Note – Straw polls may occur during any agenda item.

Meeting Decorum
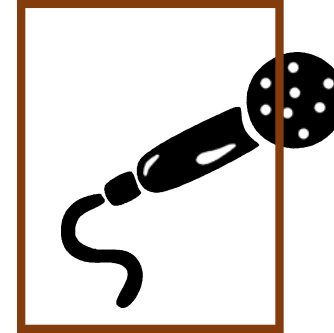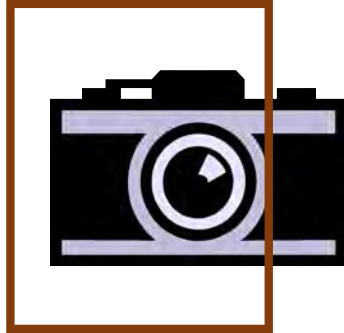
- **An officer is permitted to make an audio or slideshow recording of this meeting exclusively for the purpose of generating minutes which shall not be copied or distributed. IEEE 802.3 meetings do not use this option. Recording of the proceedings by any other participant or observer, in part or in whole, via any means, is prohibited. (Feb 2023 IEEE-SA Standards Board Ops Manual 5.3.3.2)**
- **Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (Feb 2023 IEEE-SA Standards Board Ops Manual 5.3.3.3)**
- **Cell phone ringers off**
- **Please observe proper decorum in meetings**
- **Please mute your self when not speaking**
- **Please do not turn on video**

Attendance

- **For May Interim– Leadership will use IMAT as part of determining meeting attendance.**
  - **Notes –**
    - **only attendees claiming meeting credit towards WG Voting rights are to use IMAT**
    - **Other attendees should email jdambrosia@gmail.com and kent.lusted@synopsys.com regarding their attendance**
- **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.**

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)**
  - **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**

- **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**

Goals for the Session

- **Request WG Ballot**

- **Hear technical presentations in preparation for WG Ballot**

- **Respond to Liaisons**

Requesting WG Ballot

IEEE 802.3 Ethernet Working Group Operations Manual

2.6.2 Draft Standard Balloting Requirements

Before a draft is submitted to WG letter ballot it shall in addition have met the following requirements:

a) It must be complete with no open technical issues.

b) It must be made available for pre-view by the membership at least 10 days prior to the Working Group meeting where the draft will be considered. If any changes are made to the draft after it was made available for pre-view, the changes shall be presented for review prior to the vote for approval to go to WG ballot.

c) It must be formatted according to the IEEE style selected by the WG Chair. This style will be selected to minimize the editorial work required for publication of the draft.

d) During a plenary week, it must be approved for submittal to WG ballot at the WG closing plenary.

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**

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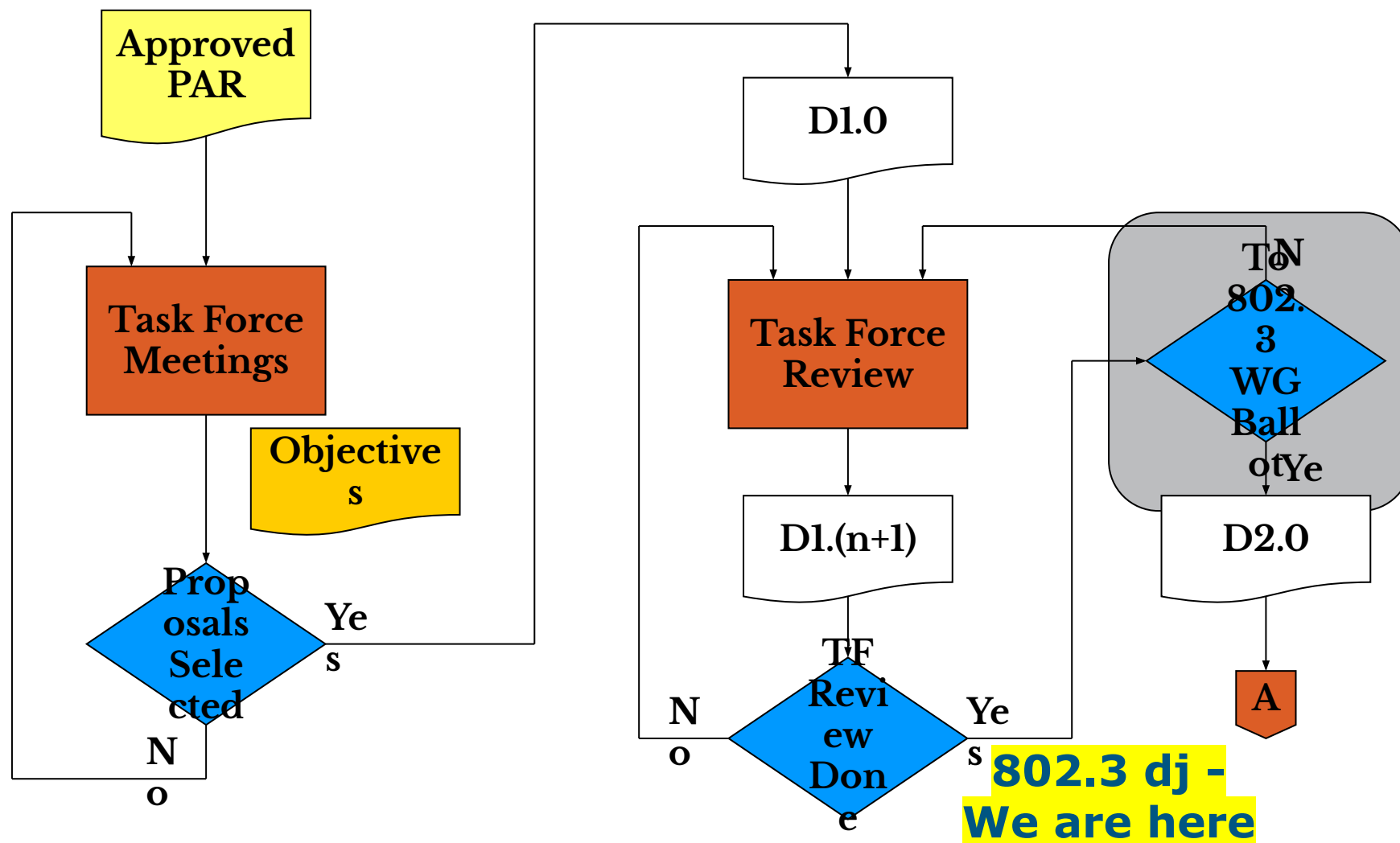
Voting

❑ Chair's Announcement - https://www.ieee802.org/3/private/email/msg02918.html
"As with all meetings held during the IEEE 802.3 May 2025 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."

❑ 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.

Review of IEEE SA Policies

- Email (https://www.ieee802.org/3/B400G/email/msg01478.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 13 May 2025)

- From OIF
  - (C10) Relevant data related to Transmitter Quality Metric development and validation
  - (C11) Relevant data related to Transmitter Quality Metric development and validation

- From ITU-T
  - LS/i on information on new work items on weakly-coupled multi-core fibre (WC-MCF) standards in Q5/15
  - LS/r on TQM and B400G (reply to IEEE802.3EthernetWG-LS143)
  - LS/r on 1.6T OTN mapping reference (reply to IEEE802.3EthernetWG-LS143 and LS144)

- Forward IEEE P802.3dj D2.0 (pending approval to proceed to WG Ballot)
  - To ITU-T
  - To UALink
  - To INCITS/Fibre Channel
  - To OIF

Going Forward

- Thursday pm –
  - Request to proceed to WG Ballot
- Initial WG Ballot
  - Estimated Open: 15 May 2025
  - Estimated Close: 14 Jun 2025
- Schedule July through Sept demanding (See next page)
- Initial WG Ballot Results
  - Number of comments – unknown (benchmark Task Force Review approximately 600)
  - Comments in bucket – unknown
  - Further insight into comments by June 25

- Tentative – Additional CRG Resolution Sessions
  - July 8-10 and / or July 14 -17 (Details to be announced by June 27)

Near Term Scheduling

Date								Ver	Event
2025/5/12	Interim	Interim	Interim	Interim	Review	Review	Review	2.0	IEEE 802.3 Interim (New Orleans, LA)
2025/5/19	Review	Review	Review	Review	Review	Review	Review	2.0	
2025/5/26	Review	Review	Review	Review	Review	Review	Review	2.0	
2025/6/2	Review	Review	Review	Review	Review	Review	Review	2.0	
2025/6/9	Review	Review	Review	Review	Review	Review	--	2.0	
2025/6/16	Responses	Responses	Responses	Responses	Responses	--	--	2.0	
2025/6/23	Responses	Responses	Responses	Responses	Responses	--	--	2.0	
2025/6/30	X	X	X	X	X	--	--	2.0	
2025/7/7	CRG?	CRG?	CRG?	CRG?	--	--	--	2.0	
2025/7/14	CRG?	CRG?	CRG?	CRG?	--	--	--	2.0	
2025/7/21	Edit	Edit	Edit	Edit	Edit	--	--	2.0	
2025/7/28	Plenary	Plenary	Plenary	Plenary	Edit	--	--	2.1	IEEE 802 Plenary (Madrid, Spain)
2025/8/4	Edit	Edit	Edit	Edit	Edit	--	--	2.1	
2025/8/11	Edit	Edit	Edit	Edit	Edit	--	--	2.1	OIF Q3 Mtg
2025/8/18	Edit	Edit	Review	Review	Review	Review	Review	2.1	
2025/8/25	Review	Review	Review	Review	Review	Review	--	2.1	
2025/9/1	Review	Review	Review	Responses	Responses	--	--	2.1	
2025/9/8	Responses	Responses	Responses	Responses	--	--	--	2.1	
2025/9/15	Interim	Interim	Interim	Interim	Interim	--	--	2.1	IEEE 802.3 Interim (Minneapolis, MN)
2025/9/22	Edit	Edit	Edit	Edit	Edit	--	--	2.2	
2025/9/29	Edit	Edit	Edit	Edit	Edit	Review	Review	2.2	ECOC
2025/10/6	Review	Review	Review	Review	Review	Review	Review	2.2	
2025/10/13	Review	Review	Review	Review	Review	Review	--	2.2	
2025/10/20	Responses	Responses	Responses	Responses	Responses	--	--	2.2	
2025/10/27	Responses	Responses	Responses	Responses	Responses	--	--	2.2	
2025/11/3	Responses	Responses	Responses	Responses	--	--	--	2.2	OIF Q4 Mtg
2025/11/10	Plenary	Plenary	Plenary	Plenary	--	--	--	2.3	IEEE 802 Plenary (Bangkok, Thailand)

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

- Tentative Electronic Meetings
  - July 8-10 and / or July 14 -17 (Details to be announced by June 27)
  - Wed 23 Jul (Details to be announced by June 27)

- IEEE 802 Jul 2025 Plenary
  - Week of July 27 – Aug 1, 2025
  - Location: Melia Castilla Madrid
  - Madrid Spain

- IEEE 802.3 Sept 2025 Interim
  - Week of Sept 15-19, 2025
  - Minneapolis, MN, USA

- IEEE 802 Nov 2025 Plenary
  - Week of Nov 10 – 14 2025
  - Marriott Marquis Queen's Park
  - Bangkok, Thailand

- IEEE 802 Jan 2026 Interim
  - Week of Jan 19
  - Austin, Tx, USA

Future Ad hoc Meetings

- Joint Electrical / Logic / Optical
  - Thurs, 5 June, 9:30am to 12:30pm
  - Thurs, 26 June, 9:30am to 12:30pm
- Joint Logic / Optical
  - July 8-10 or July 14 -17 (Details to be announced by June 27)
- Electrical
  - July 8-10 or July 14 -17 (Details to be announced by June 27)

CLOSING BUSINESS

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.**
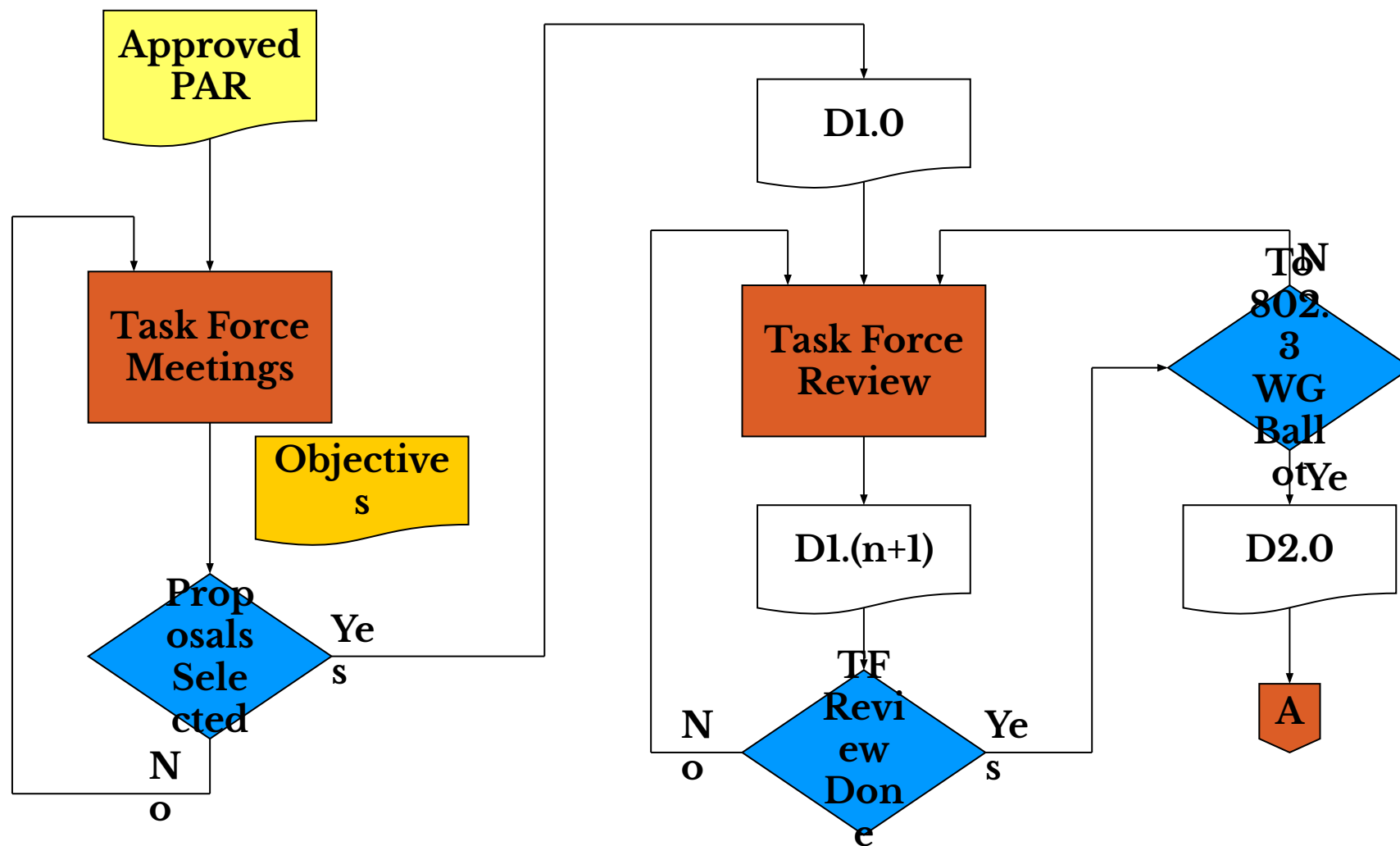
Important Bylaws, Rules, and References

- **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

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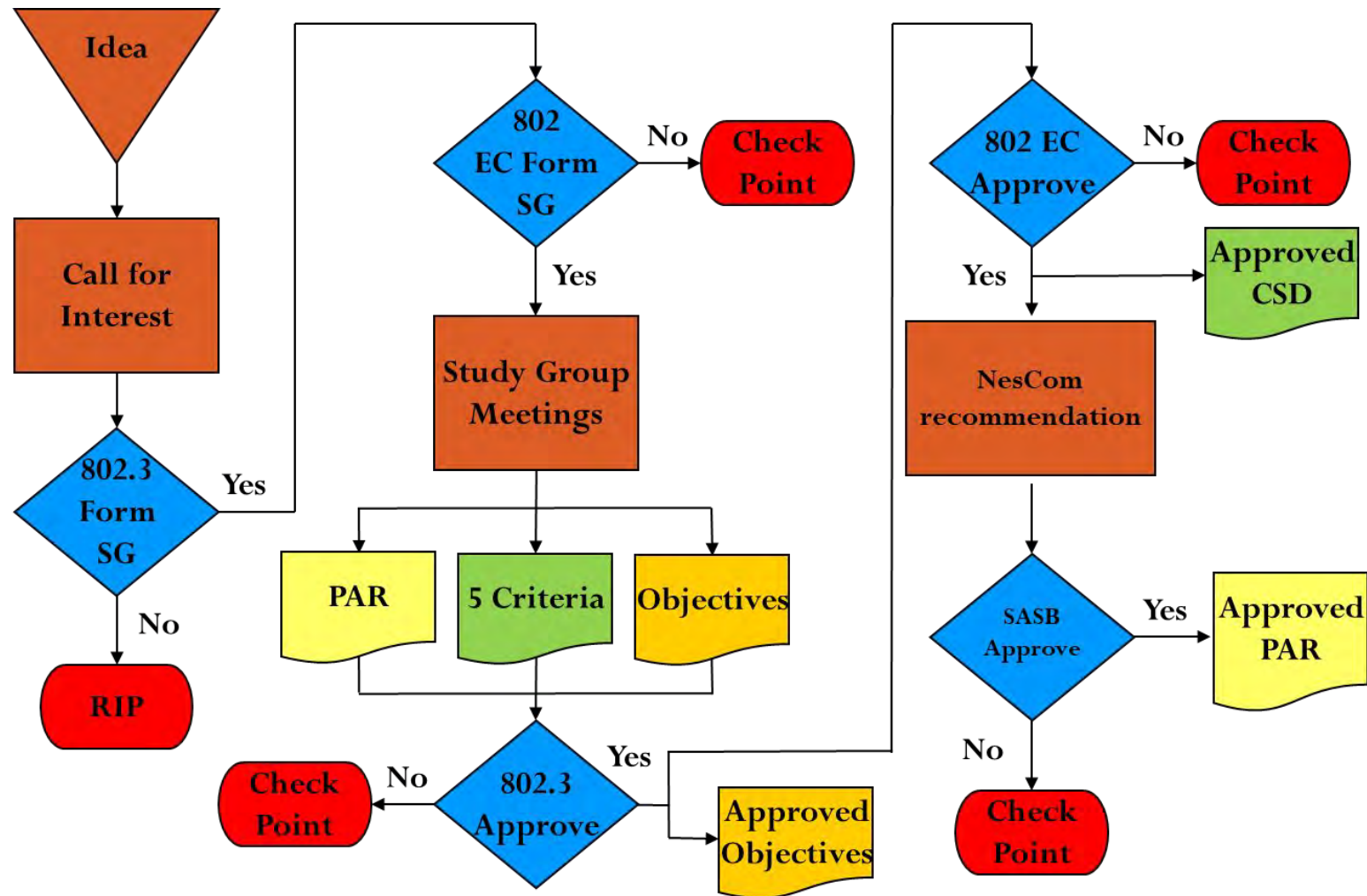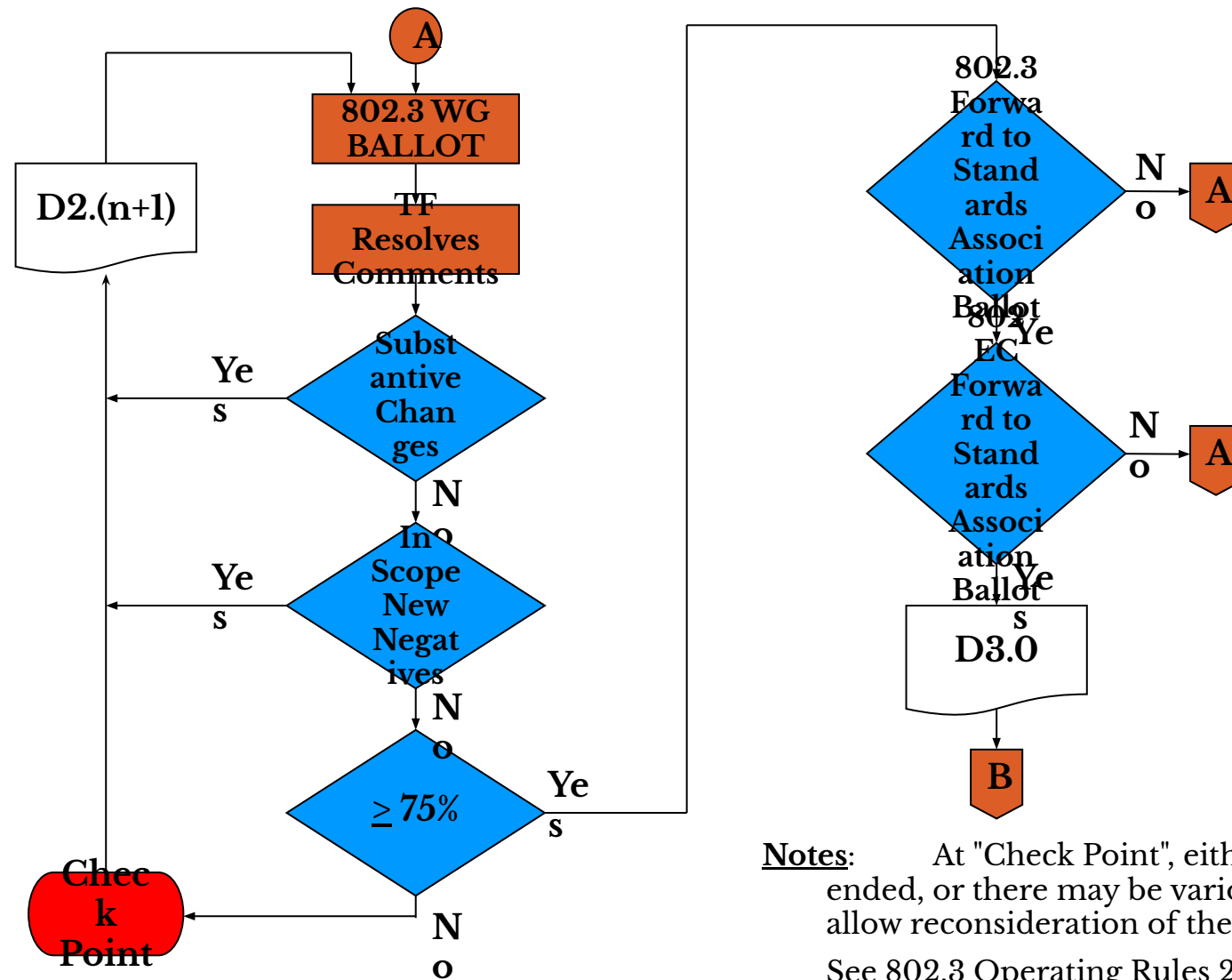

Note: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

Overview of IEEE 802.3 Standards Process (2/5) – Task Force Comment Phase
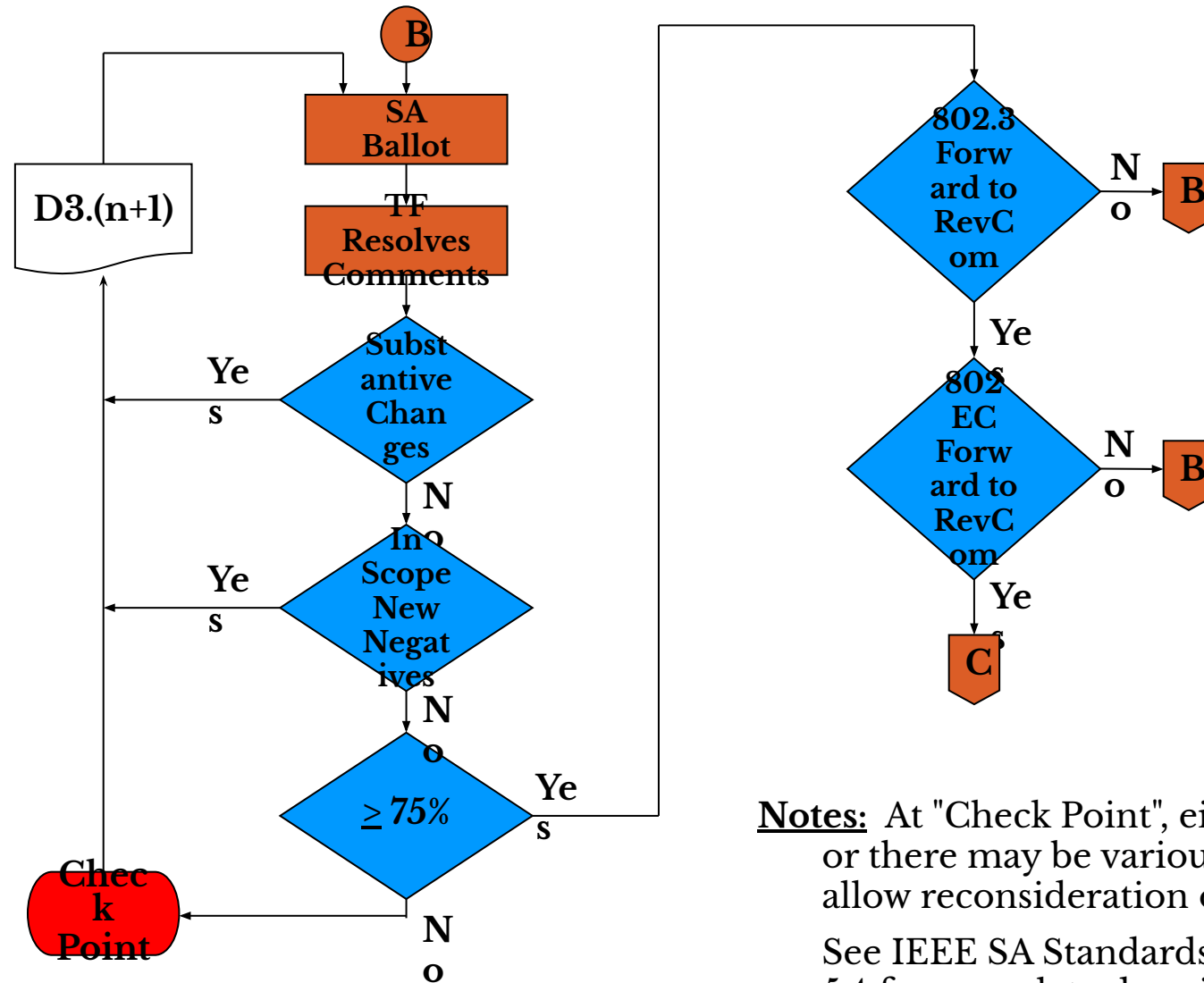
Overview of IEEE 802.3 Standards Process (3/5) – Working Group Ballot Phase

A

802.3 WG BALLOT

TF Resolves Comments

D2.(n+1)

Substantive Changes — Yes / No

In Scope New Negatives — Yes / 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 Operating Rules 2.6 and listed references for complete description

B

SA Ballot

TF Resolves Comments

D3.(n+1)

Substantive Changes — Yes

No

In Scope New Negatives — Yes

No

≥ 75% — Yes

No

Check Point

802.3 Forward to RevCom — No → B

Yes

802.3 EC Forward to RevCom — No → B

Yes

C

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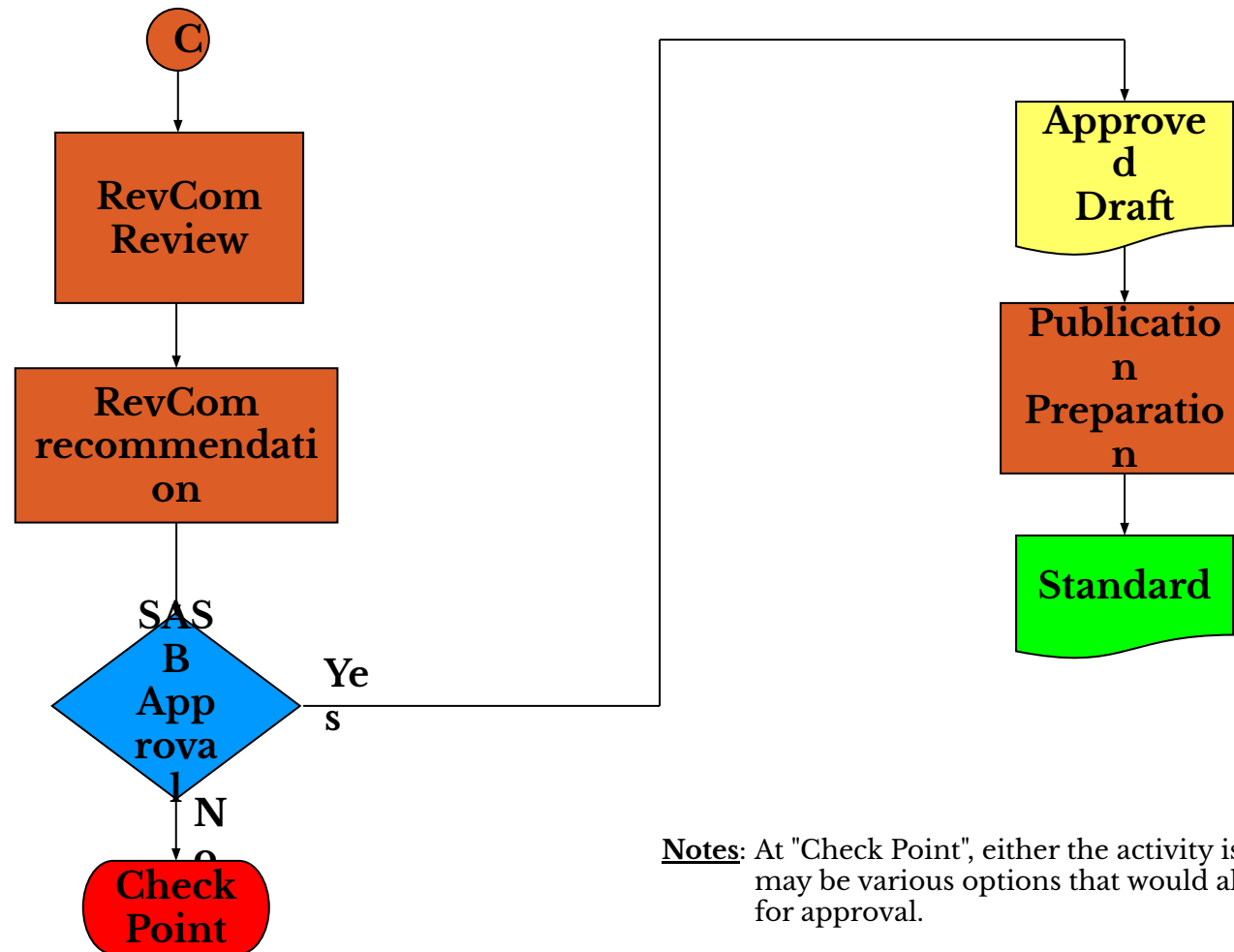
Notes: At "Check Point", either the activity is ended, or there may be various options that would allow resubmission for approval.

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 <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

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**

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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).

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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
- http://standards.ieee.org/faqs/copyrights

  - IEEE SA Best Practices for IEEE Standards Development
- http://standards.ieee.org/content/dam/ieee-standards/standards/web/documents/other/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

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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

Private Area

- **URL: http://www.ieee802.org/3/dj/private/index.html**
  - **Username: 802.3dj**
  - **Password: HonkHonk16T**

- **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**