

Agenda and General Information

IEEE P802.3db 100 Gb/s, 200 Gb/s, and 400 Gb/s Short Reach Fiber
Task Force

Robert Lingle, Jr.

OFS

TF Plenary Teleconference, July 19, 2021

Webex Meeting Procedures

- Please mute your lines if you are not speaking
- Noisy, unmuted lines will be muted by the Webex organizer

- Please make sure your full name and affiliation are both listed on the Webex Participants List
- If not, you must write your name and affiliation in the Webex Chat window
- **Displaying name and affiliation via Webex Participant list or via Webex Chat to Everyone is a meeting requirement**

Agenda

- Welcome
- Approve Agenda
- Attendance
- Appointment of the Vice Chair (pending Mr. Law's availability – could be postponed to future meeting)
- Approve Meeting Minutes for July 1st Interim
- Goals for this meeting
- Reflector and Web
- Ground Rules
- IEEE
 - Structure, Bylaws and Rules
 - Call for Patents. IEEE Patent Policy reminder: <http://www.ieee802.org/3/patent.html>
 - IEEE Copyright reminder: <https://standards.ieee.org/ipr/index.html>
 - IEEE Participant reminder: <http://www.ieee802.org/devdocs.shtml>
 - IEEE Standards Process
- PAR & Objectives
- Liaisons
- D1.1 Editors' Report and Comment Agenda – Earl Parsons (CommScope), Ramana Murty (Broadcom)
- Comment Resolution against D1.1
- Contributions:
 - "Big Picture for VR, and Interoperability" – Ramana Murty (Broadcom)
 - "Extending wavelength for -VR PMD, in support of D1.1 comments 13, 14, 15, 16 and 17 (Updated)" – David Lewis (Lumentum)
 - "Background on TDECQ Equalizer and Equalizer Options for 50 m PMD" – Ali Ghiasi (Ghiasi Quantum)
 - "Minimum TX Launch Power in OMA Shall Be Constrained by TECQ (In support of comment #11) – Yi Tang (Cisco)
- Straw Polls & Motions – may occur throughout the meeting
- Future Meetings

.3db Motion #1

Move to approve the Agenda, Slide 3 of [agenda_3db_01a_071921.pdf](#)

- M:
- S:
- (Procedural > 50%)

Meeting registration fee

- The July plenary meeting is subject to registration fee
 - Anybody that attends any meeting held during this plenary session must pay fee
 - Fee will help offset the costs incurred by the cancellation of July physical plenary
 - Single fee allows you to attend all 802 meetings during the plenary session
- The registration fee is now \$75.00 USD
 - The early registration date has passed
- The registration web site can be accessed at [<https://cvent.me/D5LYLq>](https://cvent.me/D5LYLq)
- You will not need any code or special sign-in to attend the teleconferences
 - Attendance records will be compared with the paid registration list

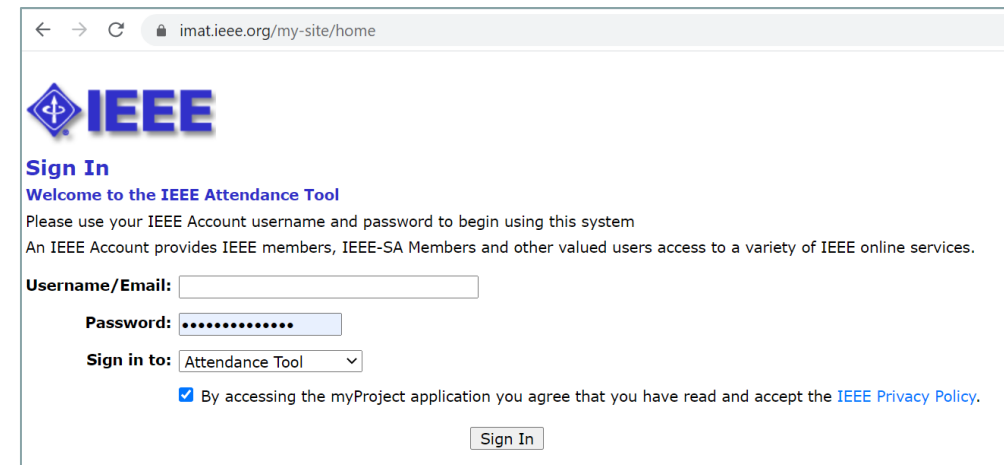
Attendance

- Attendance

- Attendance will be taken in two ways.
- Attendee names and affiliations for the minutes will be taken from the WebEx participants list or from the Webex chat to Everyone
 - Your name and affiliation must be shown on Webex participant list or declared via Webex chat to Everyone
- For 802.3 Plenary attendance (towards voting rights), please use IMAT.
<http://imat.ieee.org>

Attendance - IMAT

- Tutorial Material on attendance tool
 - https://iee802.org/3/minutes/attendance_procedures.pdf
- Attendance record based on IMAT only
- Access details
 - URL: <http://imat.ieee.org/>
 - Your IEEE Account username & password to log in
 - Each user has unique username & password
- **No session code** for Plenary



The screenshot shows a web browser window with the URL imat.ieee.org/my-site/home. The page features the IEEE logo and a "Sign In" heading. Below the heading, there is a welcome message: "Welcome to the IEEE Attendance Tool". A sub-heading reads: "Please use your IEEE Account username and password to begin using this system. An IEEE Account provides IEEE members, IEEE-SA Members and other valued users access to a variety of IEEE online services." The login form includes a "Username/Email:" field, a "Password:" field with masked characters, and a "Sign in to:" dropdown menu set to "Attendance Tool". A checkbox is checked, with the text: "By accessing the myProject application you agree that you have read and accept the IEEE Privacy Policy." A "Sign In" button is located at the bottom right of the form.

Attendance - IMAT

Active Meetings

Please select the meeting you are currently attending

3079 WG #19 July Meeting Gyeongju KO 19-Jul-2021

802 Plenary - July 2021 - Electronic US 06-Jul-2021



Select Working Group

C/LM/IEEE 802 Attendance

C/LM/WG802.1 Attendance

C/LM/WG802.3 Attendance



Please confirm your Affiliation

Schedule

IEEE 802.3cw Task Force Meeting

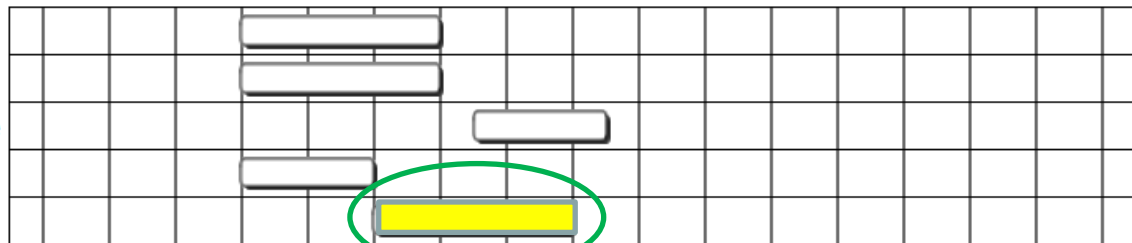
IEEE 802.3 Maintenance Task Force meeting

IEEE P802.3cs Task Force Plenary Teleconference

IEEE P802.3da July Plenary meeting #2

IEEE P802.3dB TF Interim

7:00 8:00 9:00 10:00 11:00 12:00 13:00 14:00 15:00 16:00 17:00 18:00 19:00 20:00 21:00 22:00 23:00



Please record your attendance for an active Meeting (denoted by yellow bar) by clicking on the yellow bar. Once your attendance has been recorded, the yellow bar changes to a green bar.



.3db Motion #2

Move to confirm Golam Mabud Choudhury as the IEEE 802.3db
100 Gb/s, 200 Gb/s, and 400 Gb/s Short Reach Fiber Task

Force Vice Chair

- Moved by
- Seconded by
- ($\geq 75\%$ by rule)

.3db Motion #3

Move to approve meeting minutes, previously posted, for:

- July 1, 2021, IEEE P802.3db 100 Gb/s, 200 Gb/s, and 400 Gb/s Short Reach Fiber TF Interim meeting:

[unapproved_meeting_minutes_3db_01_070121.pdf](#)

- M:
- S:
- (Procedural > 50%)

Task Force 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)
- Privacy of "private chats" cannot be guaranteed
- 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)
- Please mute when not speaking to the group
- Please observe proper decorum in meetings

Goals for the meeting

- Comment resolution against D1.1
- Consider liaison to TIA TR-42 in response to their liaison requests to IEEE

Reflector and Web

- To subscribe to the IEEE P802.3db 100 Gb/s, 200 Gb/s, and 400 Gb/s Short Reach Fiber Task Force reflector, send an email to:

ListServ@ieee.org

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

subscribe **stds-802-3-100GSR** *<yourfirstname>* *<yourlastname>*

- Send IEEE P802.3db 100 Gb/s, 200 Gb/s, and 400 Gb/s Short Reach Fiber Task Force reflector messages to:

STDS-802-3-100GSR@listserv.ieee.org

- Task Force web page URL:

<http://ieee802.org/3/db/index.html>

TF Private Area

- All drafts of standard are posted in password-protected Private area
- Username (provided at meeting):
- Password (provided at meeting):
- (802.3 WG Private area Username and Password will also work)



IEEE P802.3db 100 Gb/s, 200 Gb/s, and 400 Gb/s Short Reach Fiber Task Force

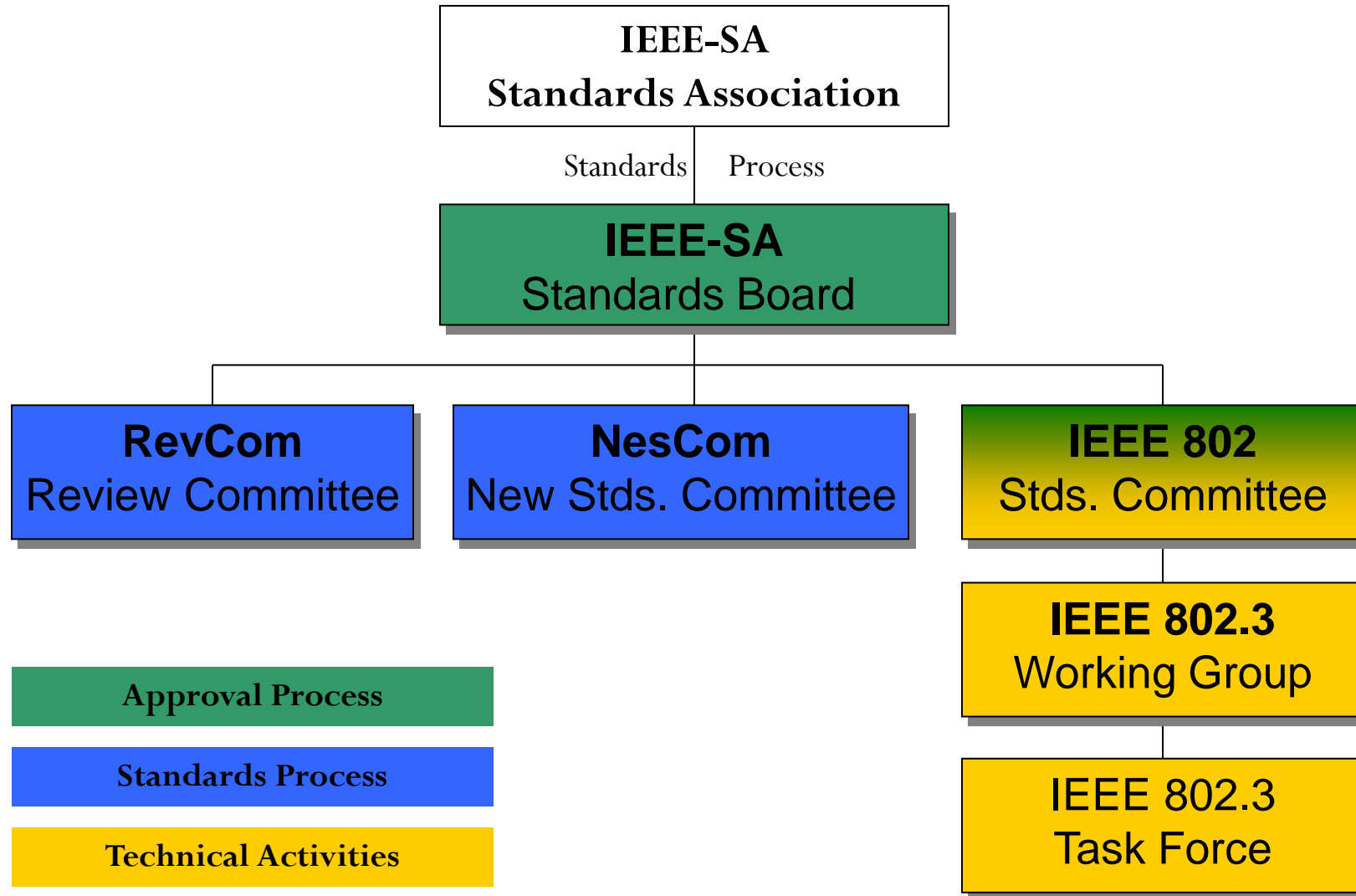
- Project documents
 - [PAR](#)
 - [Criteria for Standards Development](#)
 - [Objectives](#)
 - [Timeline](#)
- [Public area](#)
- [Private area](#) (password protected)
- E-mail reflector
 - [E-mail reflector archive](#)
 - [Subscribing and unsubscribing to the e-mail reflector](#)
- [Search tool](#)
- [Contacts](#)
- [Study Group area](#)
- The next electronic meeting of this Task Force will be posted to the [IEEE 802.3 Call and Meeting Calendar](#). Also see [IEEE 802.3 Ethernet plenary and interim sessions](#) for meeting information.

[Return to 802.3 Home Page](#)
Last Update: 5 March 2021

Ground Rules

- Based upon IEEE 802.3 Rules
 - Foundation based upon Robert's Rules of Order
 - Anyone attending the meeting may speak and participate in straw polls
 - On teleconferences, only IEEE 802.3 WG members may vote, for in-person meetings, anyone attending 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

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**

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
 - <http://standards.ieee.org/faqs/copyrights.html/>
- IEEE SA Best Practices for IEEE Standards Development
 - http://standards.ieee.org/develop/policies/best_practices_for_ieee_standards_development_051215.pdf
- Distribution of Draft Standards (see 6.1.3 of the SASB Operations Manual)
 - <https://standards.ieee.org/about/policies/opman/sect6.html>

Participant behavior in IEEE-SA activities is guided by the IEEE Codes of Ethics & Conduct

- All participants in IEEE-SA activities are expected to adhere to the core principles underlying the:
 - [IEEE Code of Ethics](#)
 - [IEEE Code of Conduct](#)
- The core principles of the IEEE Codes of Ethics & Conduct are to:
 - *Uphold the highest standards of integrity, responsible behavior, and ethical and professional conduct*
 - *Treat people fairly and with respect, to not engage in harassment, discrimination, or retaliation, and to protect people's privacy.*
 - *Avoid injuring others, their property, reputation, or employment by false or malicious action*
- The most recent versions of these Codes are available at <http://www.ieee.org/about/corporate/governance>

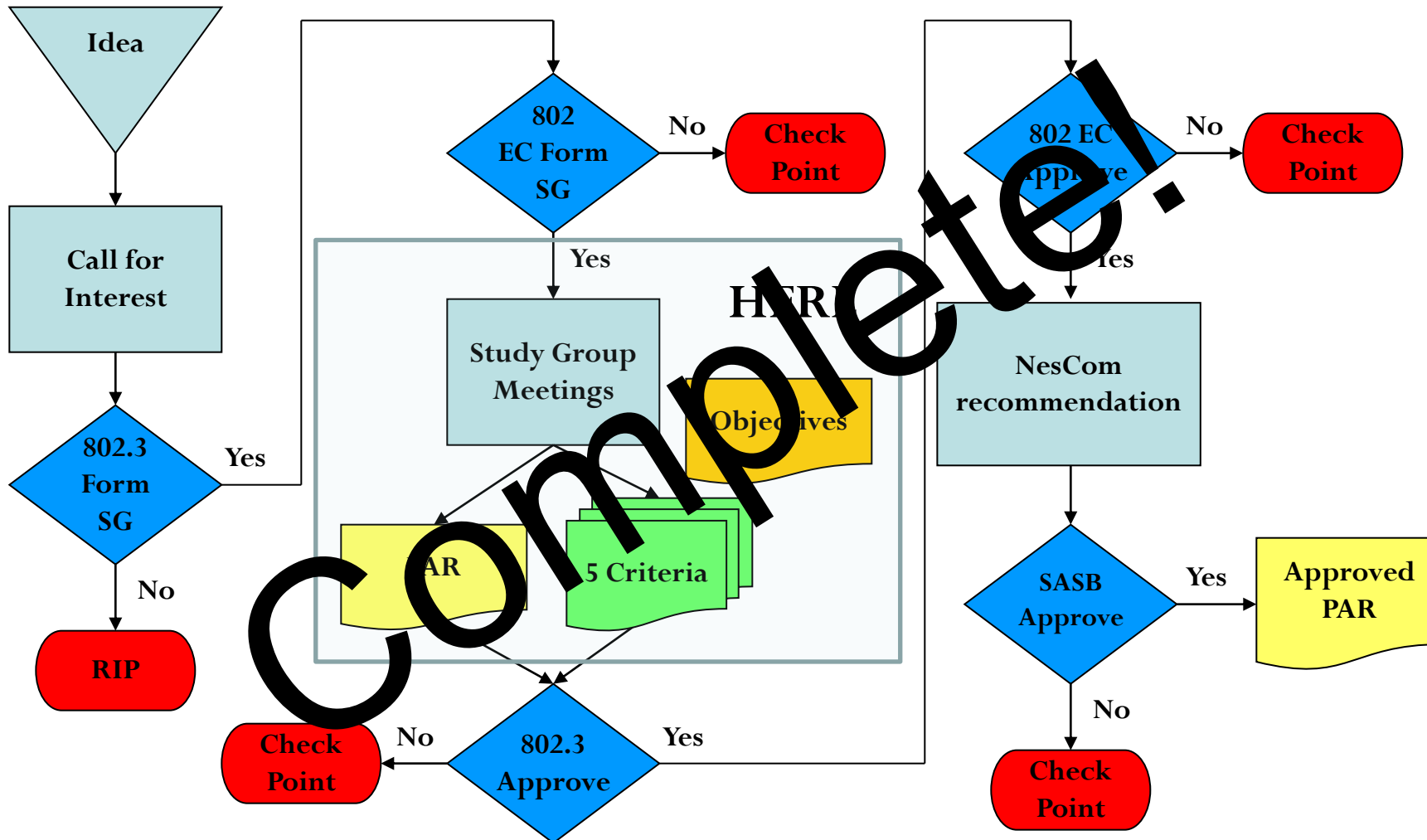
Participants in the IEEE-SA “*individual process*” shall act independently of others, including employers

- The [IEEE-SA Standards Board Bylaws](#) require that “*participants in the IEEE standards development individual process shall act based on their qualifications and experience*”
- This means participants:
 - **Shall act & vote** based on their personal & independent opinions derived from their expertise, knowledge, and qualifications
 - **Shall not act or vote** based on any obligation to or any direction from any other person or organization, including an employer or client, regardless of any external commitments, agreements, contracts, or orders
 - **Shall not direct** the actions or votes of other participants or retaliate against other participants for fulfilling their responsibility to act & vote based on their personal & independently developed opinions
- By participating in standards activities using the “*individual process*”, you are deemed to accept these requirements; if you are unable to satisfy these requirements then you shall immediately cease any participation

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

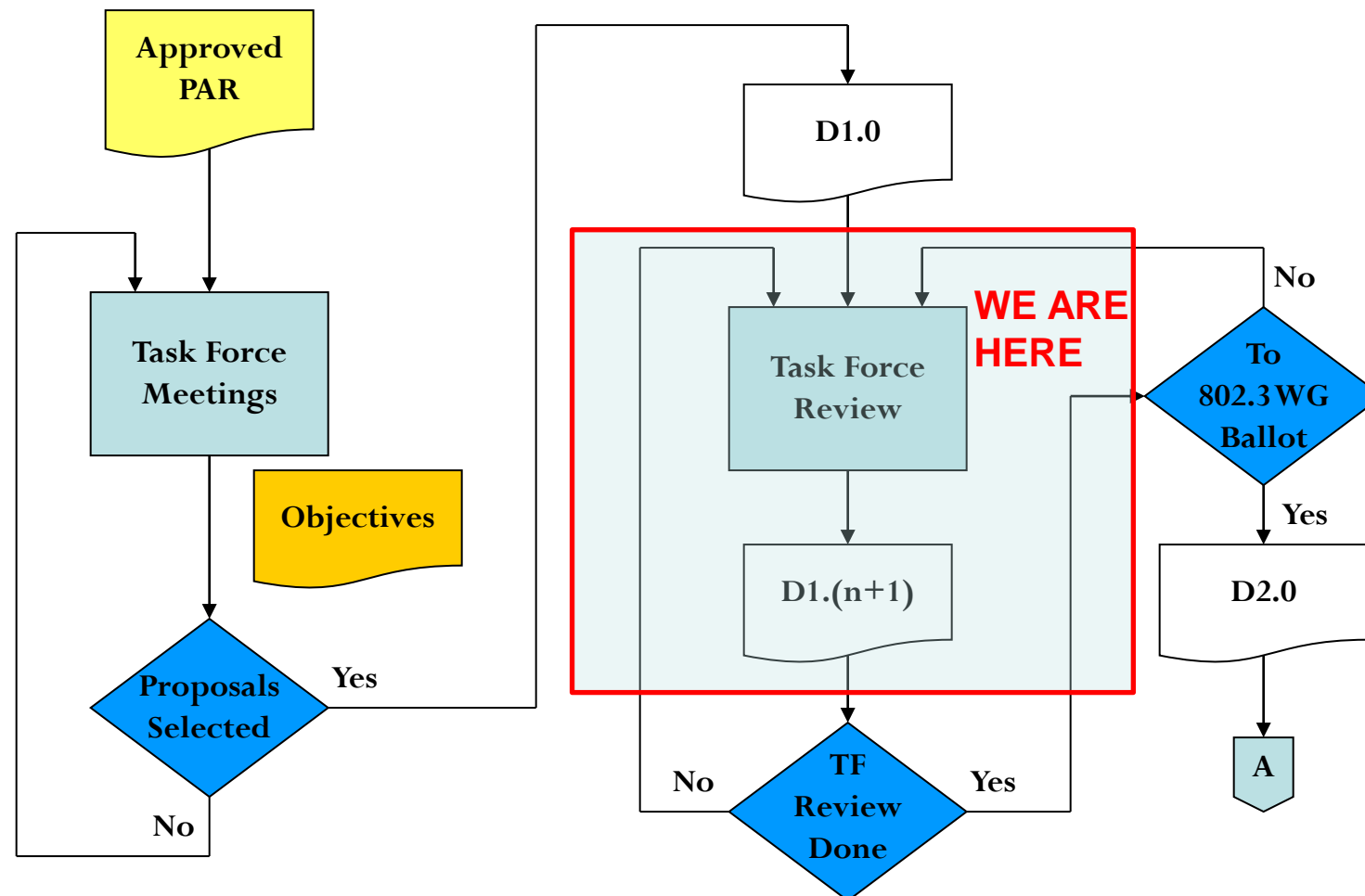
- The [IEEE-SA Standards Board Bylaws](#) (clause 5.2.1.3) specifies that *“the standards development process shall not be dominated by any single interest category, individual, or organization”*
 - This means no participant may exercise *“authority, leadership, or influence by reason of superior leverage, 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

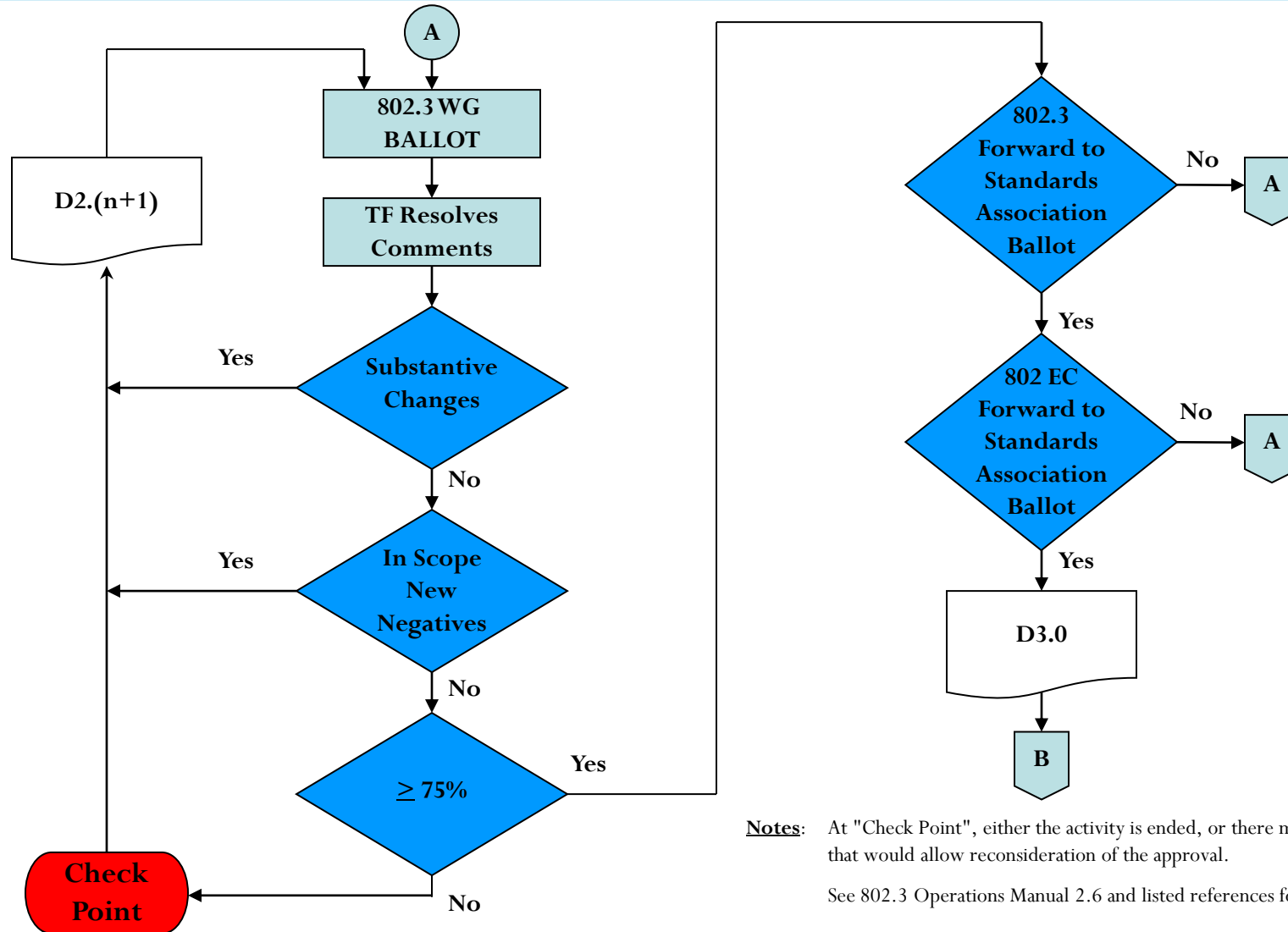


Note: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

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



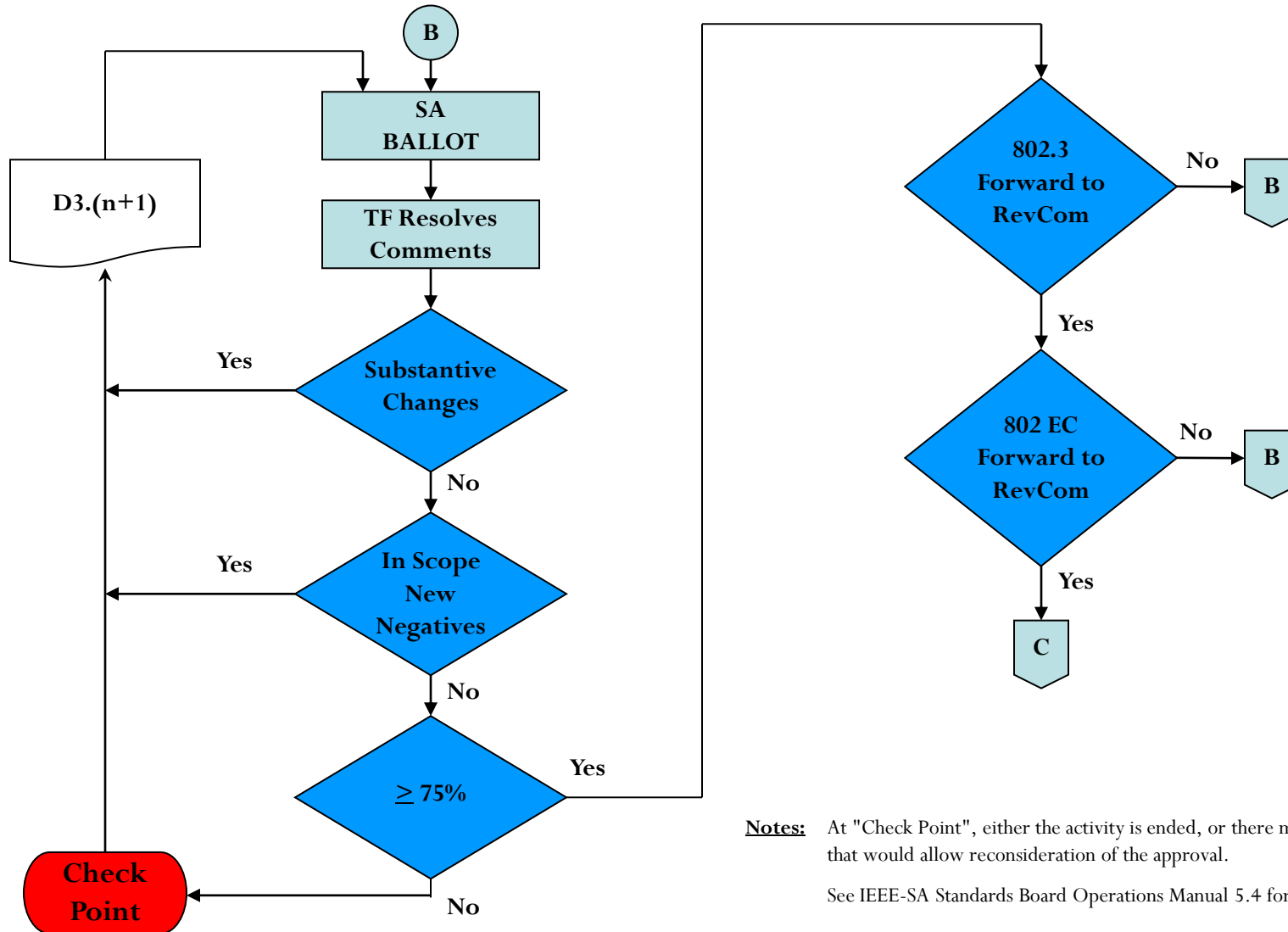
Overview of IEEE 802.3 Standards Process (3/5) – Working Group Ballot Phase



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

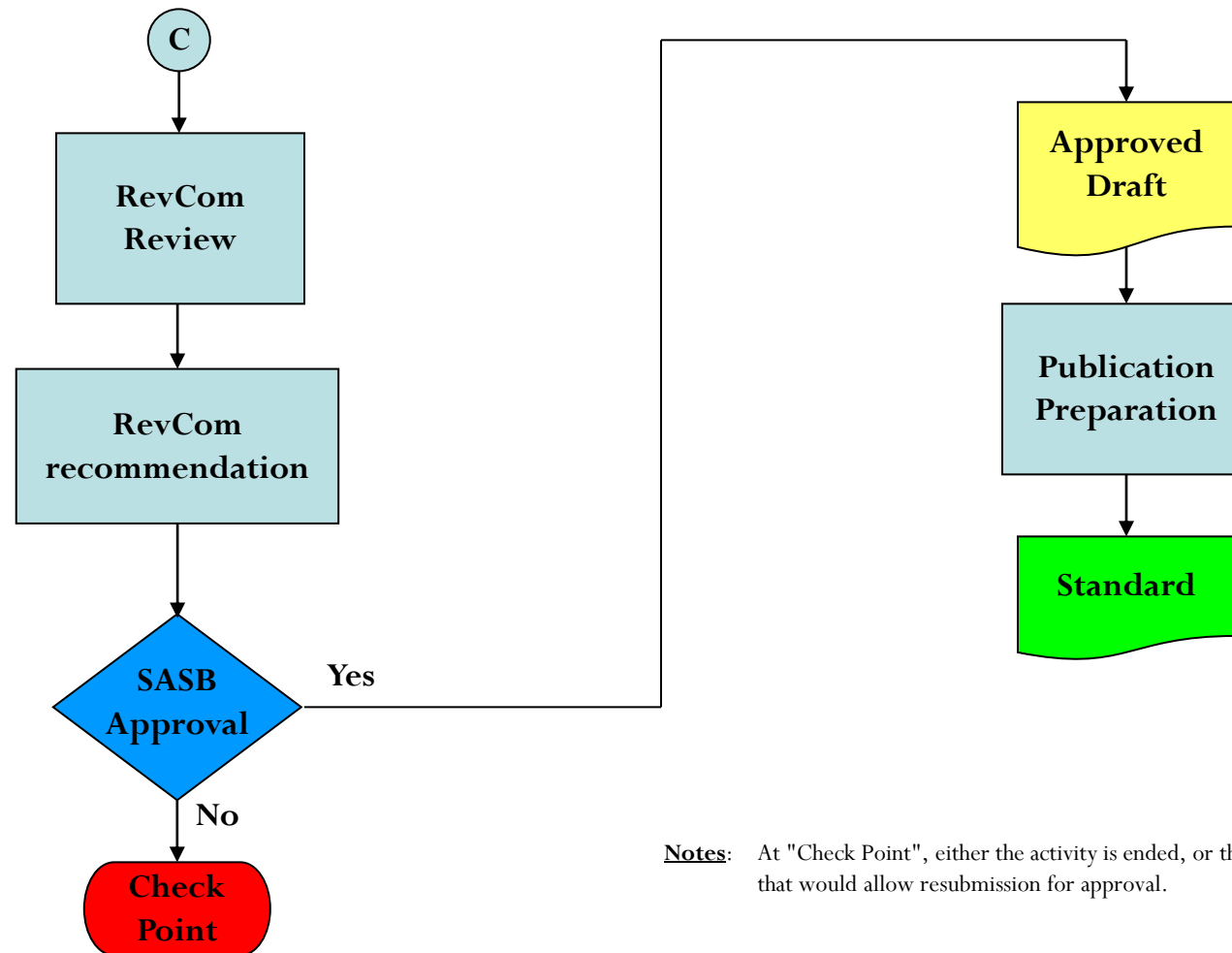
See 802.3 Operations Manual 2.6 and listed references for complete description

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



Notes: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.
See IEEE-SA Standards Board Operations Manual 5.4 for complete description

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



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

IEEE P802.3db Short Reach Fiber Task Force Approved Project Documents

- PAR

- http://ieee802.org/3/db/P802d3db_PAR.pdf

- CSD Responses

- <https://mentor.ieee.org/802-ec/dcn/20/ec-20-0097-01-ACSD-p802-3db.pdf>

- Objectives

- https://www.ieee802.org/3/db/P802d3db_Updated_Objectives_Approved_November_2020.pdf

IEEE P802.3db Short Reach Fiber Task Force Approved Objectives

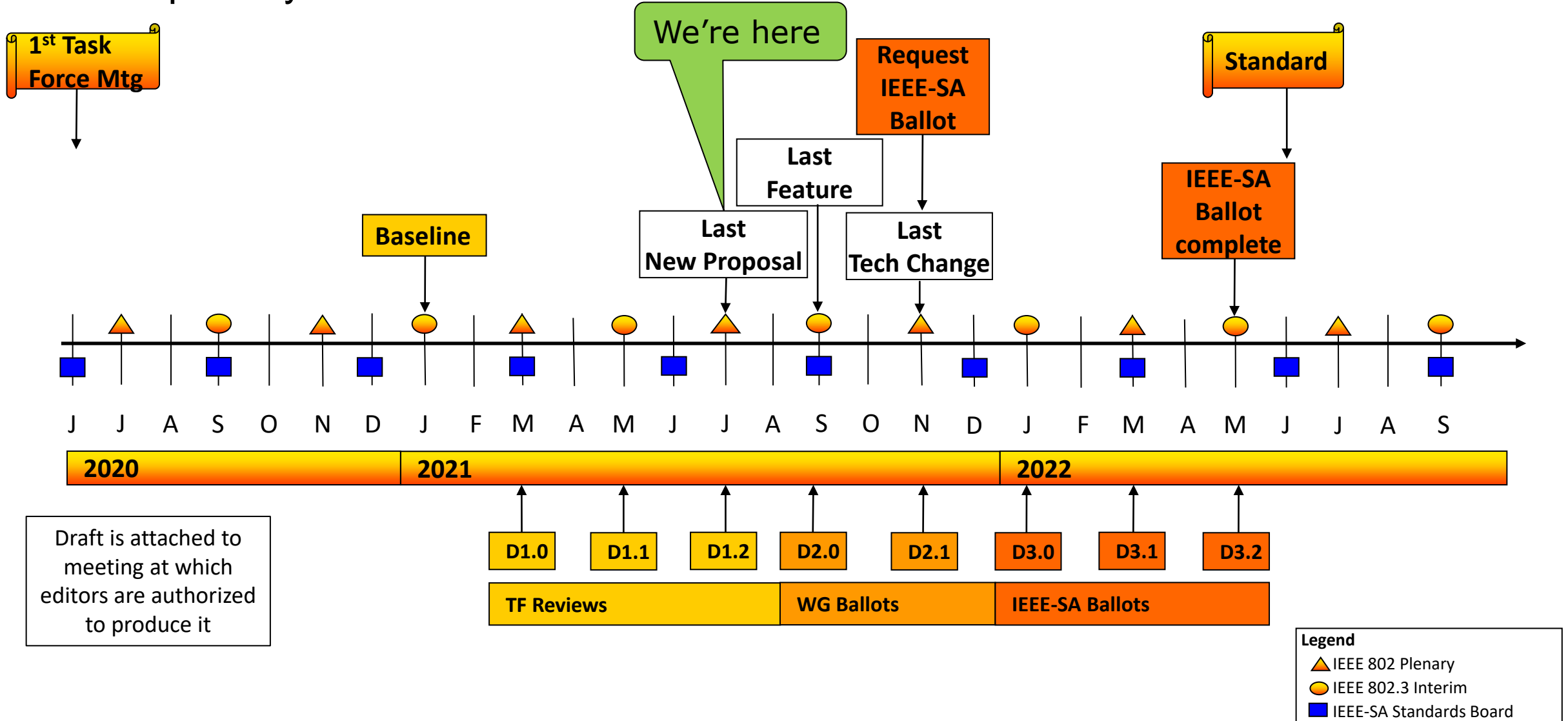
1. Support a MAC data rate of 100 Gb/s, 200 Gb/s and 400 Gb/s
2. Support full-duplex operation only
3. Preserve the Ethernet frame format utilizing the Ethernet MAC
4. Preserve minimum and maximum FrameSize of current IEEE 802.3 standard
5. Provide appropriate support for OTN
6. Support a BER of better than or equal to 10^{-12} at the MAC/PLS service interface (or the frame loss ratio equivalent) for 100 Gb/s operation
7. Support a BER of better than or equal to 10^{-13} at the MAC/PLS service interface (or the frame loss ratio equivalent) for 200 Gb/s and 400 Gb/s operation

IEEE P802.3db Short Reach Fiber Task Force Approved Objectives

8. Define a physical layer specification that supports 100 Gb/s operation over 1 pair of MMF with lengths up to at least 50 m
9. Define a physical layer specification that supports 200 Gb/s operation over 2 pairs of MMF with lengths up to at least 50 m
10. Define a physical layer specification that supports 400 Gb/s operation over 4 pairs of MMF with lengths up to at least 50 m
11. Define a physical layer specification that supports 100 Gb/s operation over 1 pair of MMF with lengths up to at least 100 m
12. Define a physical layer specification that supports 200 Gb/s operation over 2 pairs of MMF with lengths up to at least 100 m
13. Define a physical layer specification that supports 400 Gb/s operation over 4 pairs of MMF with lengths up to at least 100 m

IEEE P802.3db Task Force Timeline

Adopted by TF November 2020



Liaisons

- TR-42 Liaison to IEEE re FOTP-455-30:
 - [TR-42%20Liaison%20to%20IEEE%20re%20FOTP-455-30.pdf](#)
- TR-42 Liaison to IEEE re FOTP-455-54:
 - [TR-42%20Liaison%20to%20IEEE%20re%20FOTP-455-54.pdf](#)
- Draft liaison letter from IEEE 802.3 WG to TIA TR-42 re TIA-455-30:
 - [IEEE_802d3_to_TR-42_re_TIA-455-30_071921_draft1.pdf](#)
- Draft liaison letter from IEEE 802.3 WG to TIA TR-42 re TIA-455-54:
 - [IEEE_802d3_to_TR-42_re_TIA-455-54_071921_draft1.pdf](#)

.3db Motion #3

- Move that the IEEE P802.3db Task Force approve [IEEE_802d3_to_TR-42_re_TIA-455-30_071921_draft1.pdf](#) and [IEEE_802d3_to_TR-42_re_TIA-455-54_071921_draft1.pdf](#) with editorial license granted to the Chair (or his appointed agent) as liaison communication from the IEEE 802.3 Working Group to TIA TR-42
- M:
- S:
- Y: N: A:
- Technical (>/=75% of 802.3 voters)

Contributions required to resolve TBDs

- Recall that a complete & technically sound baseline was presented in December by Ramana.
- TBDs in the draft were based on interest in making different trade-offs between relative costs of Tx & Rx.
- Contributions & consensus building are required to resolve the TBDs. TF discussion on 5/27 resulted in planned contributions below – updated for 7/19.
- The TF can default to the original proposals from December, if needed.

TBD	Owner	Date	Status
Center wavelength	Dave Lewis	1-Jul	✓
TDECQ threshold adjustment	Ali Ghiasi	19-Jul	✓
TDECQ	Piers Dawe	July	
# taps on the reference equalizer	Ali Ghiasi	19-Jul	✓
# taps on the reference equalizer	Piers Dawe	July	
Stressed receiver sensitivity (OMA outer), each lane (max)	Yi Tang	24-Jun	✓
Over/undershoot	Ramana Murty	July	
VR TBDs options, interoperability	Ramana Murty	19-Jul	✓
TDECQ calculation method	Ali, Greg	July	
Constraints on tap coefficients	Piers Dawe	July?	

Editors' Report and Comment Agenda & D1.1

- "802.3db Editors Report and Comment Agenda" - Earl Parsons (affiliated with CommScope) and Ramana Murty (affiliated with Broadcom Inc.):
 - [editors_report_D1p1_3db_01_071921.pdf](#)
- D1.1:
 - [8023db_D1p1.pdf](#)

Comments against D1.1

- Comments received (sorted by Clause):
[P802d3db_D1p1_comments_received_by_Clause.pdf](#)
- Comments received (sorted by ID):
[P802d3db_D1p1_comments_received_by_ID.pdf](#)
- Proposed responses (sorted by Clause):
[P802d3db_D1p1_comments_proposed_by_Clause.pdf](#)
- Proposed responses (sorted by ID):
[P802d3db_D1p1_comments_proposed_by_ID.pdf](#)
- Proposed list of comment responses in the "Bucket":
[P802d3db_D1p1_comments_proposed_Bucket_by_Clause.pdf](#)

Contribution supporting comments

- "Big Picture for VR, and Interoperability" – Ramana Murty (Broadcom): [murty_3db_01_071921.pdf](#)
- "Extending wavelength for -VR PMD, in support of D1.1 comments 13, 14, 15, 16 and 17 (Updated)" – David Lewis (Lumentum): [lewis_3db_01_071921.pdf](#)
- "Background on TDECQ Equalizer and Equalizer Options for 50 m PMD (addresses comments 71 and 72)" – Ali Ghiasi (Ghiasi Quantum): [ghiasi_3db_01a_071921.pdf](#)
- "Minimum TX Launch Power in OMA Shall Be Constrained by TECQ (In support of comment #11)" – Yi Tang (Cisco): [tang_3db_01_071921.pdf](#)

Straw Polls & Motions

Future Meetings

- See: <http://ieee802.org/3/calendar.html> and <http://ieee802.org/3/interims/index.html>
- P802.3db TF Ad Hoc Teleconferences are currently scheduled:
 - Biweekly on Thursdays at 12 Noon to 2 pm Eastern US (EST/UTC -5): <http://www.ieee802.org/3/db/public/adhoc/index.html>
 - Next Ad Hoc meeting: Thursday, August 5, 2021, 12 Noon to 2 pm Eastern Daylight US (EDT/UTC -4)
 - Ad hoc meetings will be converted to TF interims when TF business requires
- TF Interim and Plenary Meetings:
 - On TF interim & plenary teleconferences, only 802.3 voters may vote on TF motions
 - Next TF Interim meeting: Thursday, July 29, 2021, 12 Noon to 3 pm Eastern Daylight US (EDT/UTC -4)
- September IEEE 802.3 WG Interim session will be virtual, 20-23 & 27-30 September 2021
 - Will we be ready to authorize D2.0, WG ballot, per timeline?
- November plenary session: virtual or in-person will be decided by 7 Sep

Future Meetings

Meeting	Location	Dates
IEEE 802.3 September 2021 interim	Virtual	20-23 & 27-30 September 2021
IEEE 802 November 2021 plenary	Vancouver, BC, Canada	15-18 November 2021
IEEE 802.3 January 2022 interim	TBD	10-14 & 17-21 January 2022
IEEE 802 March 2022 plenary	Orlando, FL, USA	14-17 March 2022
IEEE 802.3 May 2022 interim	TBD	16-20 & 23-27 May 2022
IEEE 802 July 2022 plenary	Montreal, Quebec, Canada	11-14 July 2022
IEEE 802.3 September 2022 interim	TBD	5-9 & 12-16 September 2022
IEEE 802 November 2022 plenary	Bangkok, Thailand	14-17 November 2022

Upcoming meeting details at: <http://ieee802.org/3/interims/index.html>

.3db Motion

Move to Adjourn TF Telephonic Plenary Meeting

- M:
- S:
- (Procedural > 50%)

Thank You!