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., TF Chair
OFS

TF Interim Series Teleconferences
January 11, 13, 17, 19, 2022

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
- Approve Meeting Minutes (as needed)
- Attendance
- 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
- Liaison - IEEE 802.3 WG to INCITS T11.2
- D2.1 Editors' Report and Comment Agenda – Earl Parsons (CommScope), Ramana Murty (Broadcom)
- Comment Resolution against D2.1
- Review and re-affirm CSD responses
- Straw Polls & Motions – may occur throughout the meeting
- Future Meetings

.3db Motion #1

Move to approve the Agenda, Slide 3 of agenda_3db_01_011122.pdf

- M: Pavel Zivny
- S: John Abbott
- (Procedural > 50%)
- Motion passes by unanimous consent

Attendance

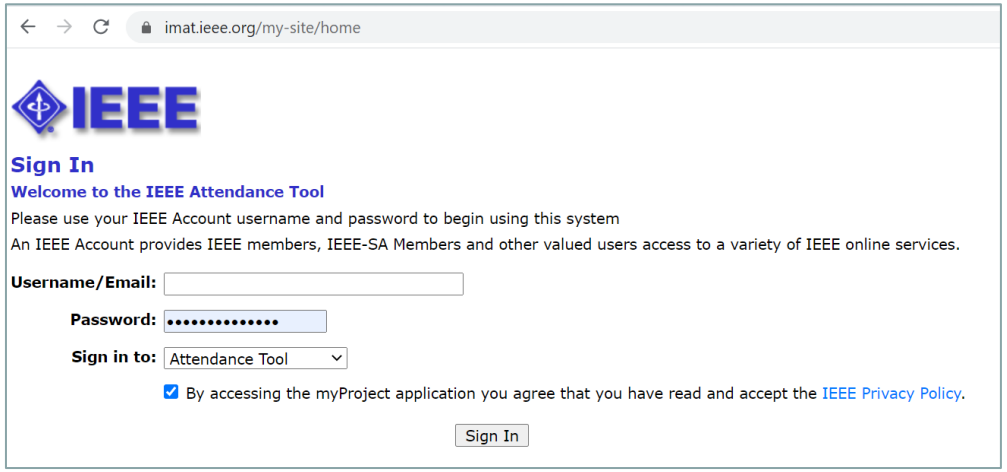
- No registration required for this virtual meeting
- Attendance will be taken in two ways:
- Webex attendance list:
  - Attendee names and affiliations for the minutes will be taken from the Webex participants list or from the Webex chat to Everyone
    - Your name and affiliation must be shown on Webex participant list or declared via Webex chat to Everyone
- IMAT attendance:
  - For 802.3 Interim attendance towards 802.3 voting rights, please use IMAT. http://imat.ieee.org . Requires attendance on 4 days
  - On 01/20/22 attendance credit (towards 802.3 voting rights) can only be gained by attending the 802.3 WG meeting held on that day

Attendance - IMAT

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

- Attendance record towards 802.3 voting rights based on IMAT only
- Attendance credit requires attendance on 4 days during the January interim meeting series
- Access details
  - URL: http://imat.ieee.org/
  - Your IEEE Account username & password to log in
  - Each user has unique username & password

  - Session code (provided at meeting):



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 D2.1
- Authorize D2.2 and conditional approval of D3.0/SA ballot
- Or authorize D3.0/SA ballot
- Review CSD responses
- Approve draft liaison letter from 802.3 to T11.2

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:

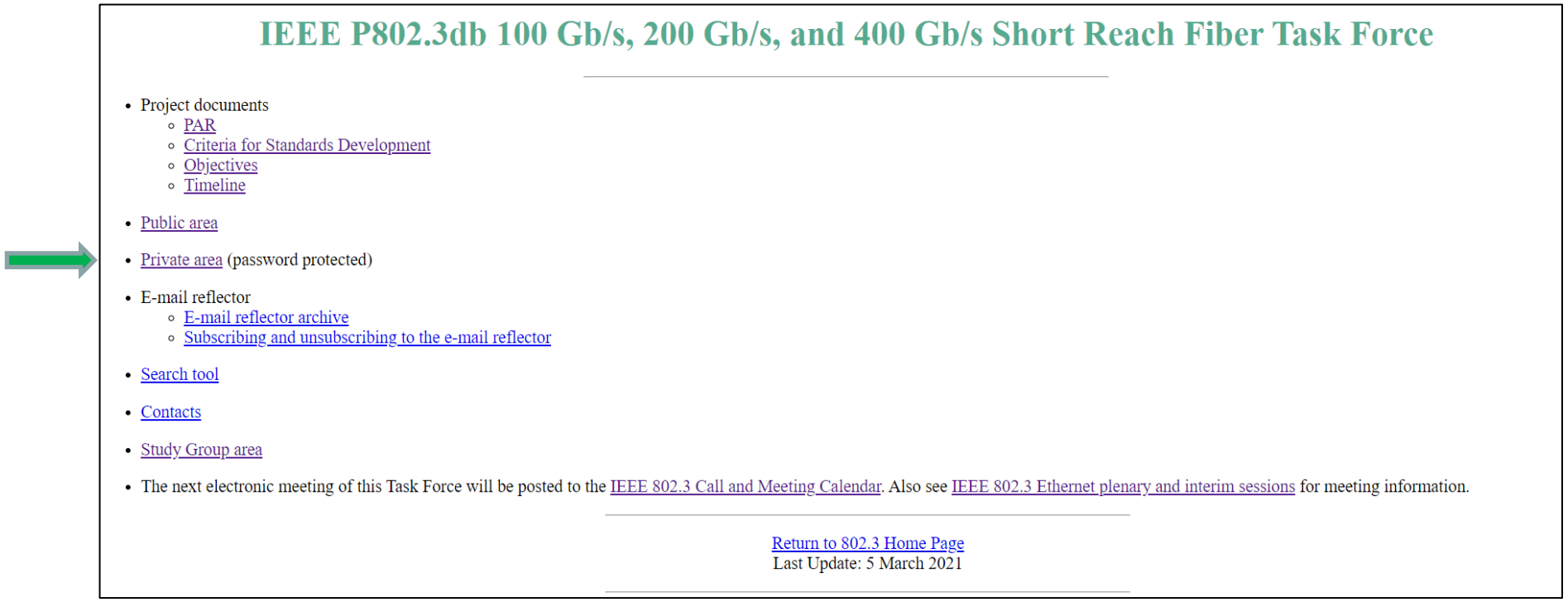
  STDS-802-3-100GSR@*listserv.ieee.org*

- 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

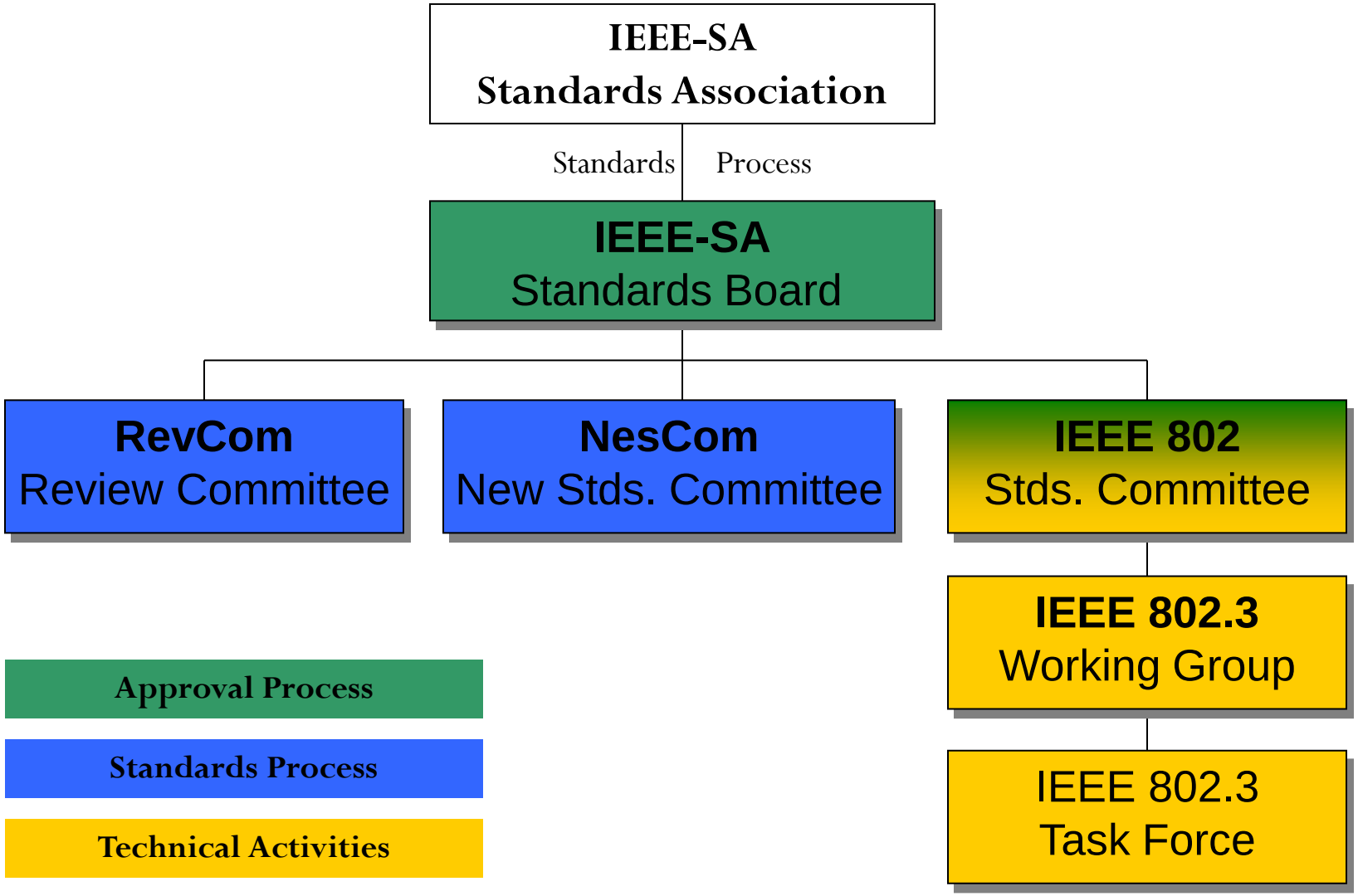
- Project documents
  - PAR
  - Criteria for Standards Development
  - Objectives
  - Timeline
- Public area
- Private area (password protected)
- E-mail reflector
  - E-mail reflector archive
  - Subscribing and unsubscribing to the e-mail reflector
- Search tool
- Contacts
- Study Group area
- The 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

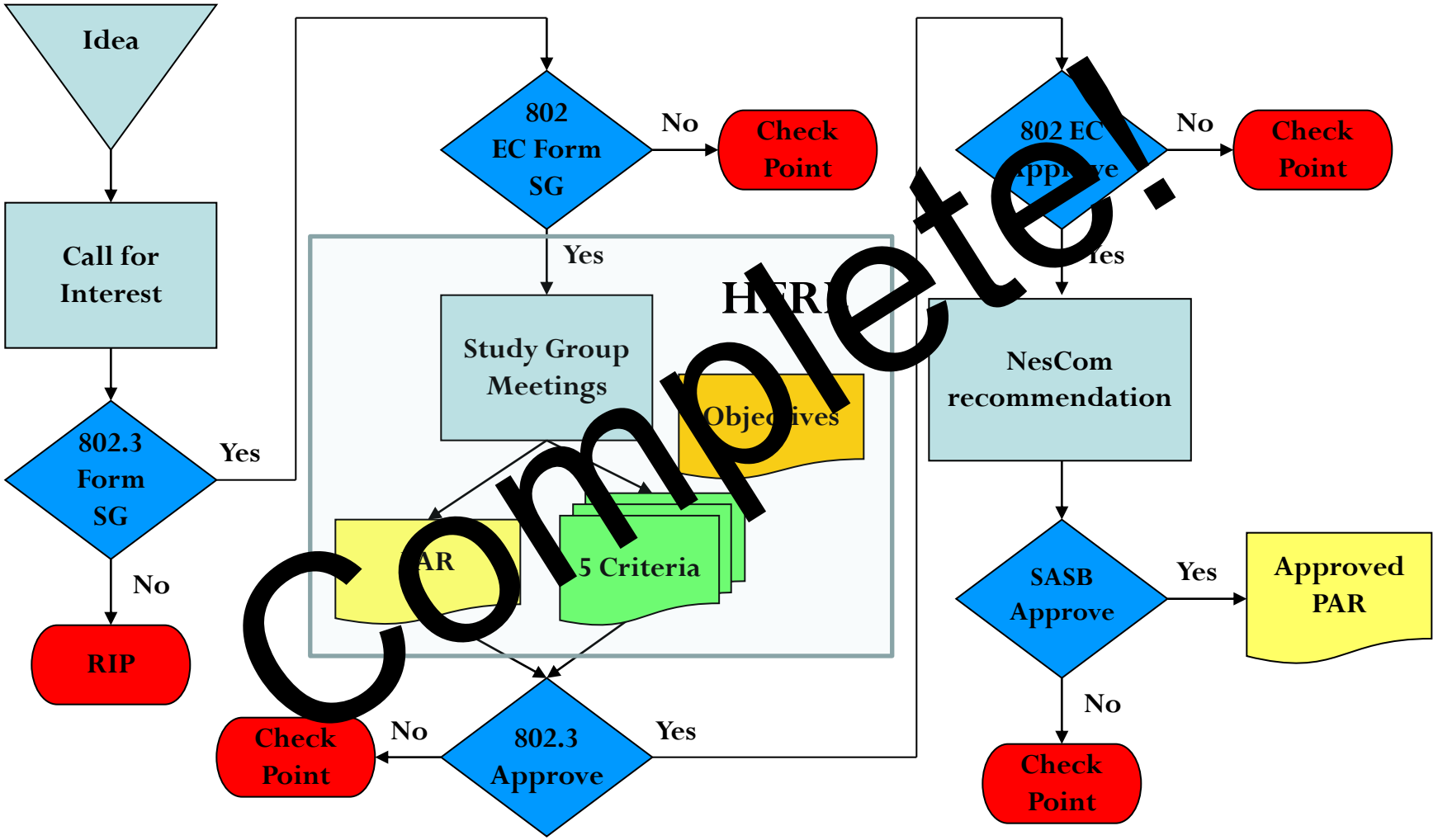
Approved by SASB in June 2019

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

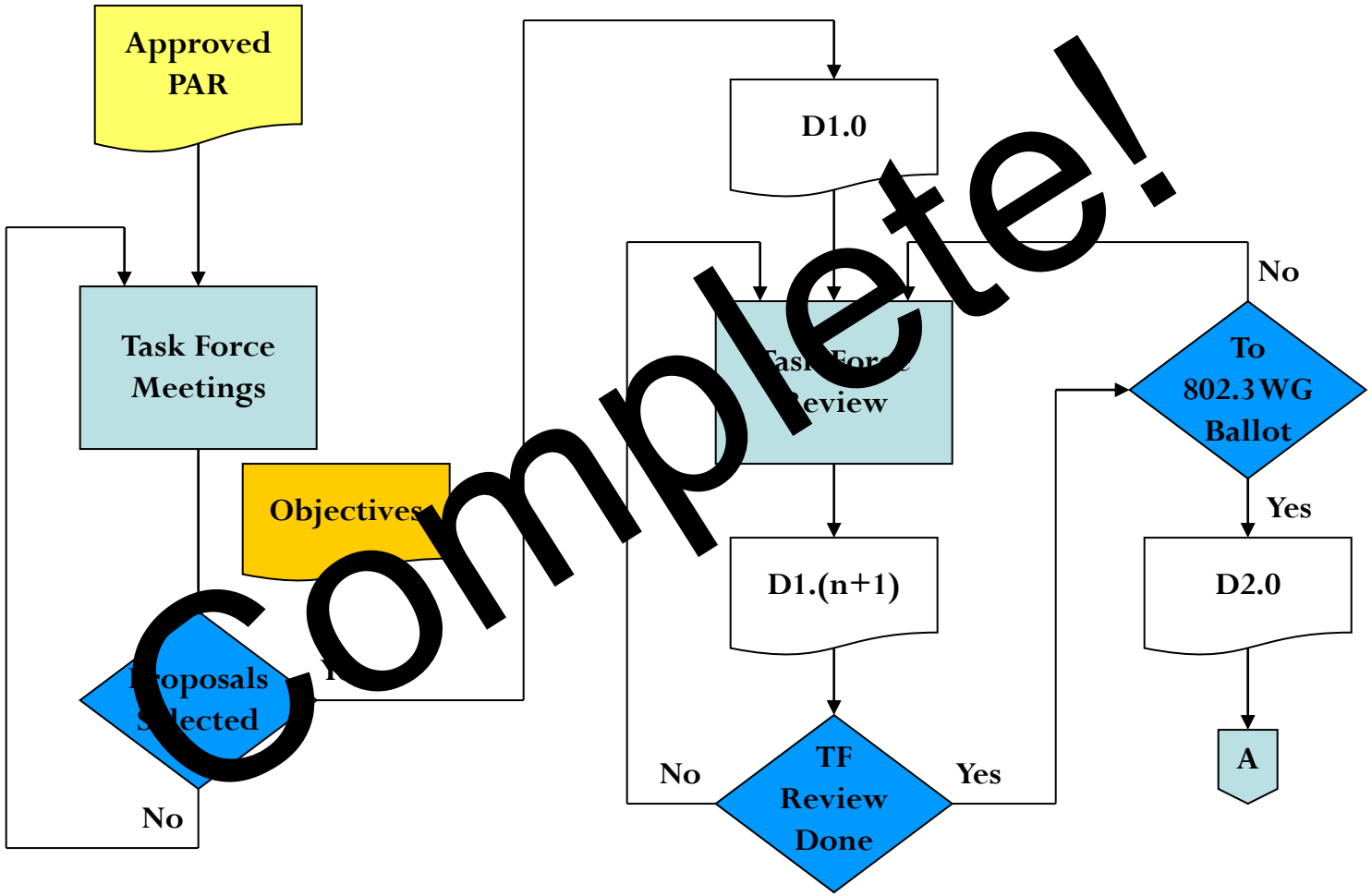
Approved by SASB in June 2019

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

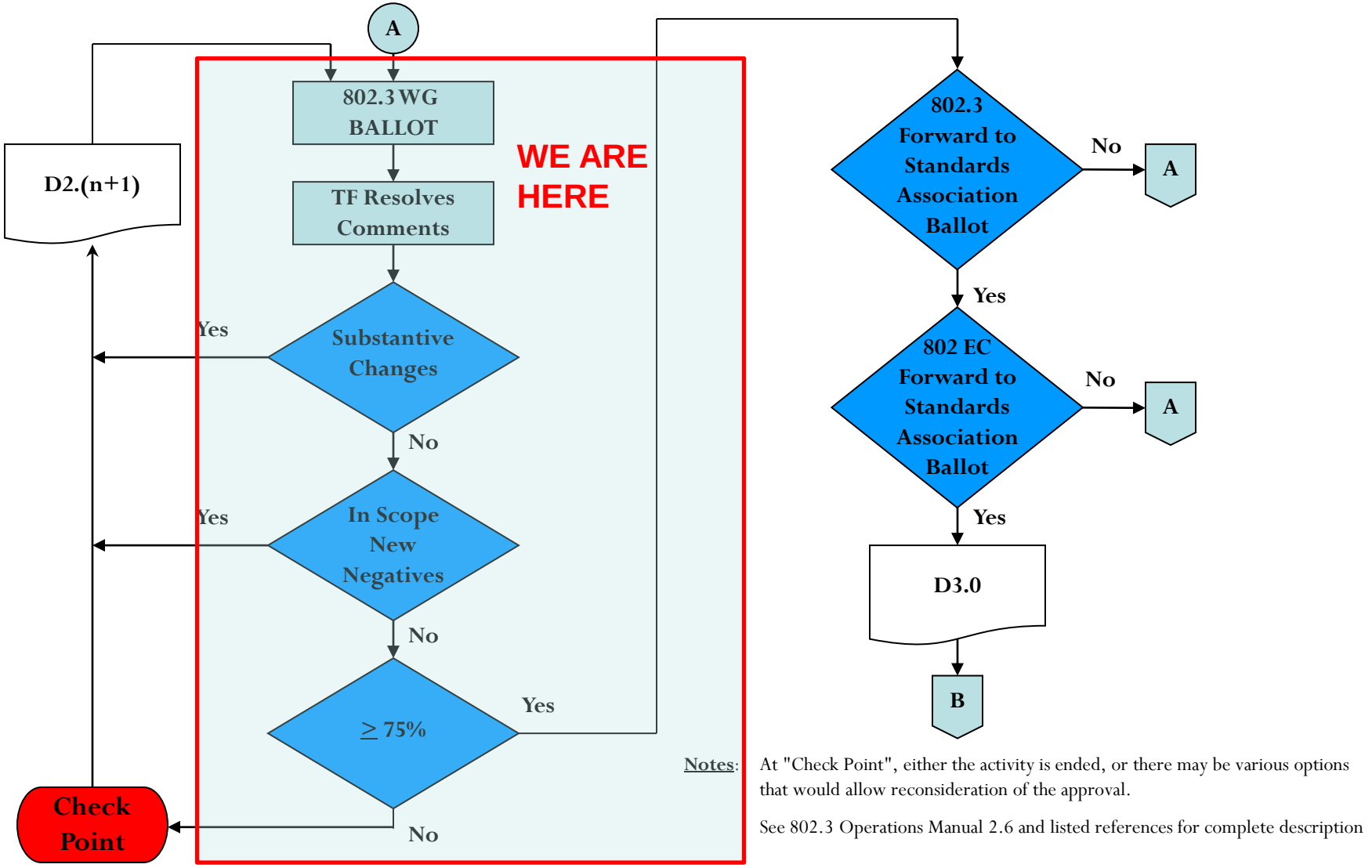


Note: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

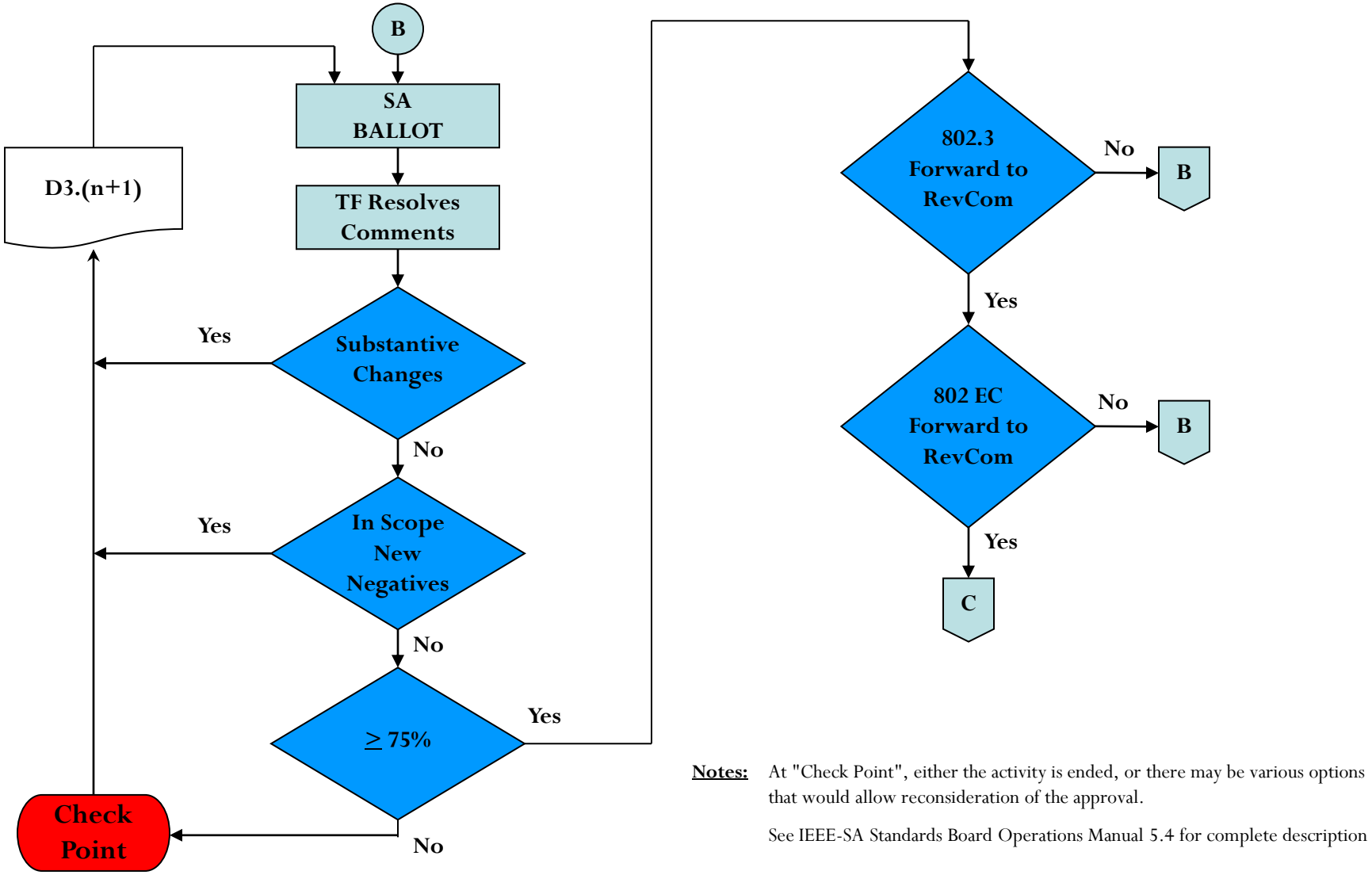
Overview of IEEE 802.3 Standards Process (2/5) – Task Force Comment Phase



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



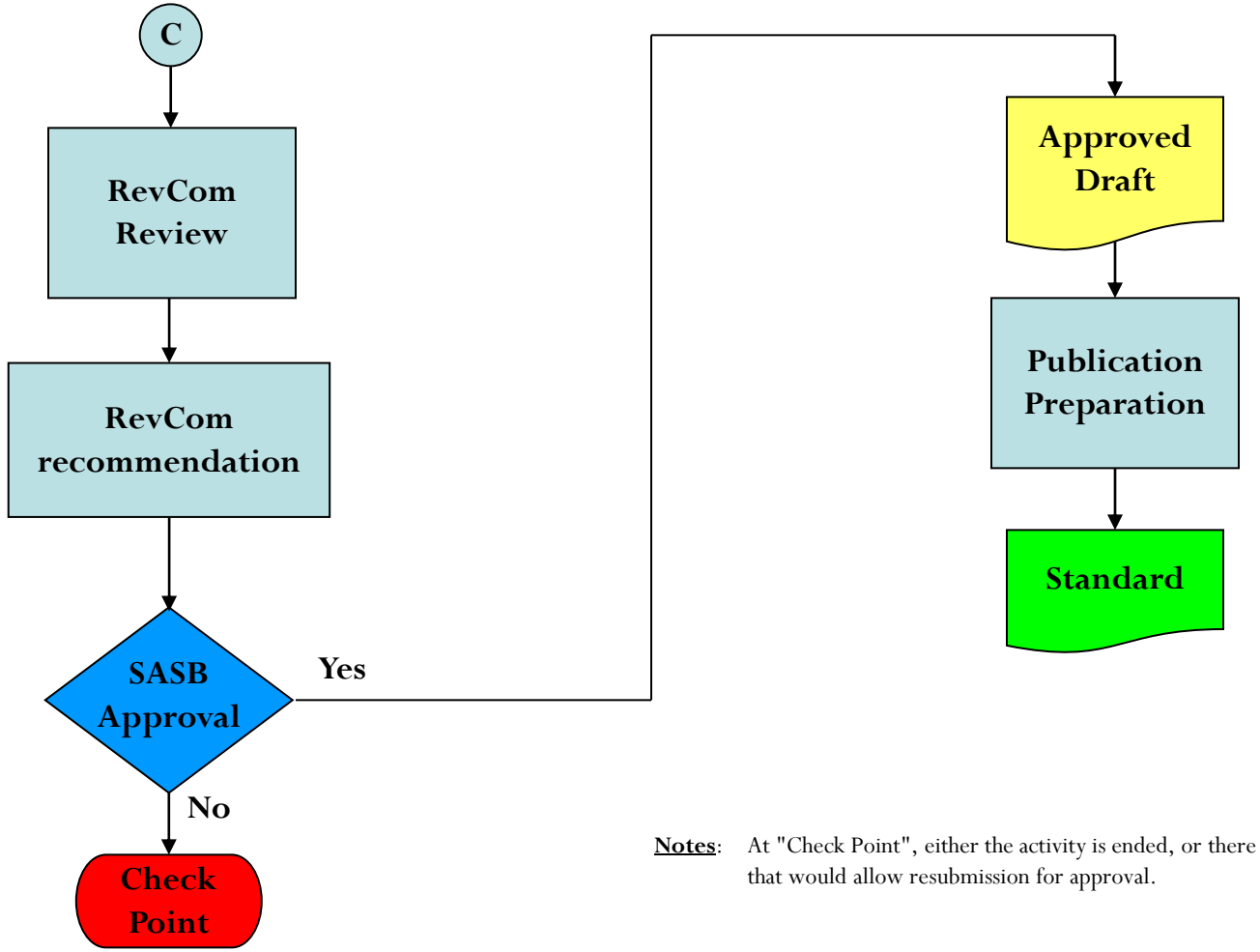
Overview of IEEE 802.3 Standards Process (4/5)- IEEE Standards Association (SA) Ballot Phase



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

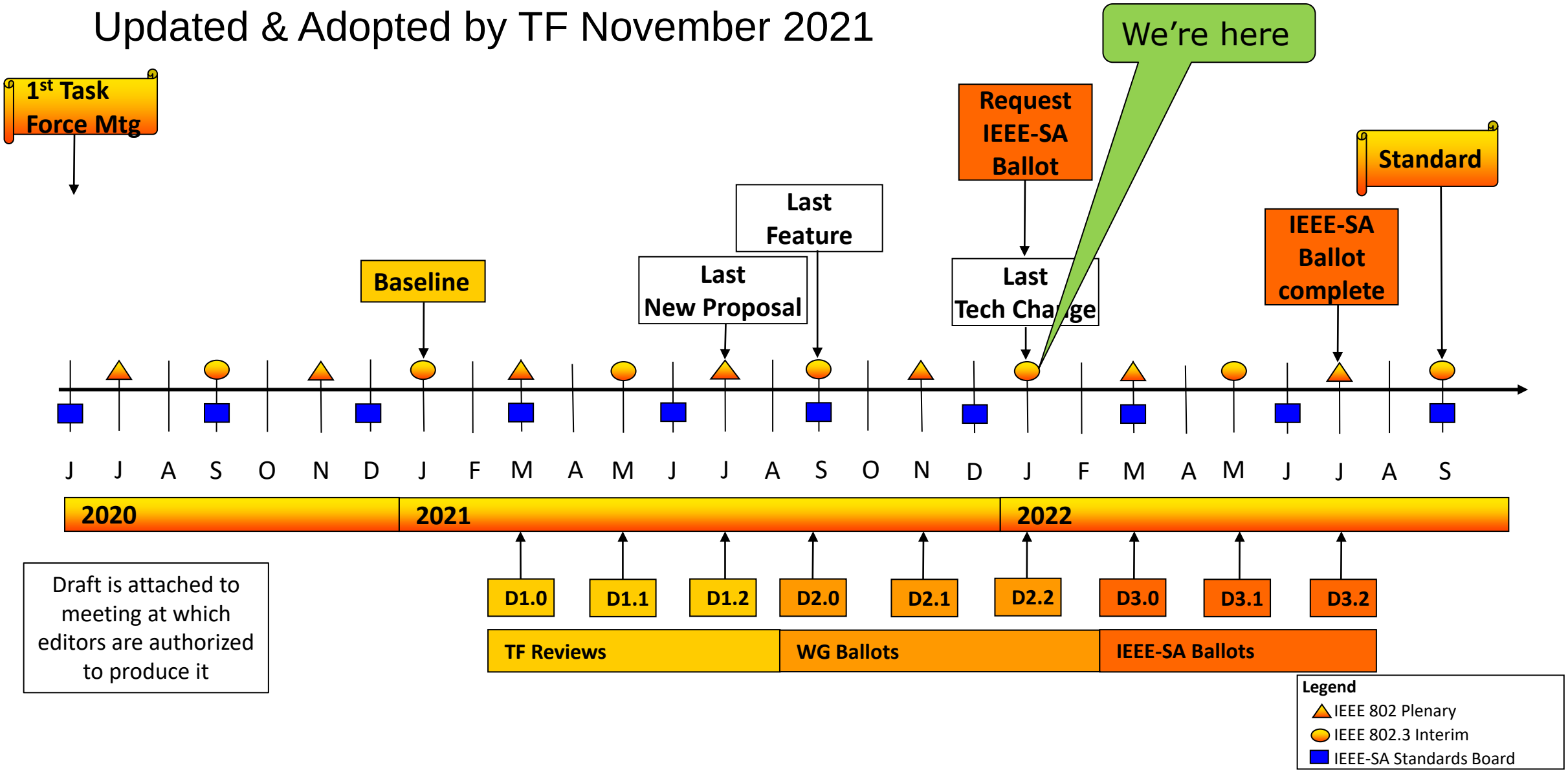
1. Support a MAC data rate of 100 Gb/s, 200 Gb/s and 400 Gb/s
2. Support full-duplex operation only
3. Preserve the Ethernet frame format utilizing the Ethernet MAC
4. Preserve minimum and maximum FrameSize of current IEEE 802.3 standard
5. Provide appropriate support for OTN
6. Support a BER of better 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

Updated & Adopted by TF November 2021



Draft is attached to meeting at which editors are authorized to produce it

Liaison

- Liaison letter IEEE 802.3 WG to INCITS T11.2 (Fibre Channel Physical Variants Task Group) to share IEEE P802.3db Draft 2.1:
  - IEEE_802d3_to_T11-2_01122_draft1_redacted.pdf

.3db Motion #x (January yy)

- Move that the IEEE P802.3db Task Force approve IEEE_802d3_to_T11-2_01122_draft1_redacted.pdf with editorial license granted to the Chair (or his appointed agent) as liaison communication from the IEEE 802.3 Working Group to INCITS T11.2
- M:
- S:
- Y: N: A:
- Technical (>/=75% of 802.3 voters)
- Motion

Editors' Report and Comment Agenda & D2.1

- "802.3db Editors Report and Comment Agenda" - Earl Parsons (affiliated with CommScope) and Ramana Murty (affiliated with Broadcom Inc.):
  - editors_report_D2p1_3db_01a_011122.pdf
  - editors_report_D2p1_3db_01_011322.pdf
  - editors_report_D2p1_3db_01_011722.pdf
  - editors_report_D2p1_3db_01_011922.pdf

- D2.1:
  - 8023db_D2p1.pdf

Comments against D2.1

- Comments received (sorted by Clause):
  - P802d3db_D2p1_comments_received_by_Clause.pdf
- Comments received (sorted by ID):
  - P802d3db_D2p1_comments_received_by_ID.pdf
- Proposed/closed responses (sorted by Clause):
  - P802d3db_D2p1_comments_responses_by_Clause_011922.pdf
- Proposed/closed responses (sorted by ID):
  - P802d3db_D2p1_comments_responses_by_ID_011922.pdf
- Proposed “bucket” comments (unchanged since 11 January):
  - P802d3db_D2p1_comments_proposed_Bucket_by_Clause_011122.pdf

Technical Contribution

- “TDECQ Test Filter (in support of comment 51)” – Ramana Murty (Broadcom Inc.):
  - murty_3db_01_011922.pdf

Straw Polls & Motions

.3db Straw Poll #1

- Straw Poll #1 – With regard to comment 6 against D2.1, I support the following (Chicago rules):
  - A. Reject the comment, making no change to the draft: 15
  - B. Adopt MMSE search method with maximum TDECQ of 4.4 dB: 7
  - C. Maintain current TDECQ methodology, but reduce maximum TDECQ to 4.3 dB: 11
  - D. No answer: 14

Attendees	A	B	C
Earl Parsons [CommScope]	•		
Alan Kinningham I-PEX			
Mike Connaughton Leviton	•		
John S AbbottCorning		•	•
Tom Palkert, Samtec, Macom			•
Mark Nowell Cisco	•		
Mabud Choudhury OFS	•		
Kjersti Martino [Inneos]			
Tom Mitcheltree - US Conec			
Vince Ferretti [Corning]			
Ray Nering Cisco			
Roman Shubochkin OFS			
James Young CommScope	•		•
YI SUN - OFS	•	•	
Eric Maniloff Ciena			•
John Kamino - OFS			
Ramesh Sivakolundu [CISCO]			
Jianwei Mu [Hisense]			
Ramana Murty	•	•	
Yung Son_Optomind			•
Kangmin Hu [Innogrit]	•		
Pavel Zivny, Tek	•		•
Valerie Maguire Siemon, Siemon			
Yasuo Hidaka [Credo]			
Mike Dudek Marvell		•	•
Hai-Feng Liu [HG Genuine]			
Chan Chih David Chen [AOI]	•		•
Ali Ghiasi [Ghiasi Quantum]		•	•
Greg D Le Cheminant Keysight		•	
Kihong/Joshua Kim[Hirose]	•		
David Lewis [Lumentum]	•		
Yi Tang [Cisco]	•		
Jeffery Maki [Juniper Networks]			
Stephen Didde Keysight		•	
Leon Bruckman [Huawei]			
Piers Dawe [Nvidia]	•		•
lance thompson-II-VI	•		•

.3db Straw Poll #2

- Straw Poll #2 – With regard to comment 6 against D2.1, I support the following (decisional):
  - A. Reject the comment, making no change to the draft: 15
  - B. Accept in principle: maintain current TDECQ methodology, but reduce maximum TDECQ to 4.3 dB: 8
  - C. No answer: 12

Attendees	A	B
Earl Parsons [CommScope]	•	
Alan Kinningham I-PEX		
Mike Connaughton Leviton	•	
John S AbbottCorning		•
Tom Palkert, Samtec, Macom		•
Mark Nowell Cisco	•	
Mabud Choudhury OFS	•	
Kjersti Martino [Inneos]		
Tom Mitcheltree - US Conec		
Vince Ferretti [Corning]		
Ray Nering Cisco		
Roman Shubochkin OFS		
James Young CommScope	•	
YI SUN - OFS	•	
Eric Maniloff Ciena		•
John Kamino - OFS		
Ramesh Sivakolundu [CISCO]		
Jianwei Mu [Hisense]		
Ramana Murty	•	
Yung Son_Optomind		•
Kangmin Hu [Innogrit]	•	
Pavel Zivny, Tek		•
Valerie Maguire Siemon, Siemon		
Mike Dudek Marvell		•
Hai-Feng Liu [HG Genuine]	•	
Chan Chih David Chen [AOI]	•	
Ali Ghiasi [Ghiasi Quantum]		•
Greg D Le Cheminant Keysight	•	
Kihong/Joshua Kim[Hirose]	•	
Yi Tang [Cisco]	•	
Jeffery Maki [Juniper Networks]		
Stephen Didde Keysight	•	
Leon Bruckman [Huawei]		
Piers Dawe [Nvidia]		•
lance thompson-II-VI	•	

.3db Motion #x

Move to adopt proposed responses to remaining comments, noted as “bucket” on slide 4 of editors_report_D2p1_3db_01_011922.pdf , and generate Draft 2.2 for WG Recirculation from Draft 2.1 and closed comments

- M:
- S:
- Technical (>/=75% of 802.3 voters)
- Motion

.3db Motion #x

Move to request conditional approval to progress the IEEE P802.3db draft to SA ballot once the Working Group ballot process has been successfully completed.

- M:
- S:
- Technical (>/=75% of 802.3 voters)
- Motion

.3db Motion #x

Move to adopt proposed responses to remaining comments, noted as “bucket” on slide 4 of editors_report_D2p1_3db_01_011922.pdf , and generate Draft 3.0, from D2.1 and closed comments, for IEEE Standards Association ballot

- M:
- S:
- Technical (>/=75% of 802.3 voters)
- Motion

.3db Motion #x

Move to re-affirm the CSD responses in https://mentor.ieee.org/802-ec/dcn/20/ec-20-0097-01-ACSD-p802-3db.pdf and request approval to progress the P802.3db draft to IEEE Standards Association ballot.

- M:
- S:
- Technical (>/=75% of 802.3 voters)
- Motion

January Interim & March Plenary Meetings

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

- IEEE 802.3 January 2022 interim series will be virtual only (10-14 Jan and 17-21 Jan)
  - 802.3 Working Group: 20 Jan 2022
  - P802.3db: 11, 13, 17, 18, 19, 20 Jan 2022 teleconferences as needed

- IEEE 802 March plenary will be virtual only (Orlando, Florida, USA cancelled)
  - Registration now open, meeting fee $400 until 28 Jan 2022 (http://802world.org/plenary)
  - Those that registered very early (before registration was suspended) will be contacted
  - 802.3 Working Group meetings: opening 7 Mar 2022, mid-session 10 Mar 2022, closing 17 Mar 2022
  - Attendance 6 of 8 days required for credit (only 802.3 WG attendance will count on 802.3 meeting days)

- IEEE 802 is striving to return to in-person plenary meetings after March 2022 plenary

Future TF 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, February 3, 2022, 12 Noon to 2 pm Eastern Standard US (EST/UTC -5)
  - Next Ad Hoc meeting as needed
  - TF Chair will convert to TF interims when TF business requires
- TF Interim and Plenary Meetings:
  - TF Chair will schedule TF interim and plenary meetings as needed to complete TF business

Future Meetings

Meeting	Location	Dates
IEEE 802 March 2022 plenary	Virtual	7-10 & 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: https://ieee802.org/3/interims/index.html

.3db Motion #x

Move to Adjourn TF Telephonic Plenary Meeting

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

- Motion

Thank You!