



Agenda and General Information

IEEE 802.3

P802.3cz Multi-Gigabit Optical Automotive Ethernet
Task Force

Robert M. (Bob) Grow

RMG Consulting / KDPOF

TF interim meeting, 14, 15 November 2022

Attendance

- Registration required for both in-person and remote attendees:
<https://cvent.me/0Vk4Qg>
- Attendance credit will be based on IMAT recorded attendance
<https://imat.ieee.org/my-site/home>
 - Monday and Thursday credit will only be available to attendees of 802.3
 - Attendance must be recorded on three of the four 802.3 meeting days to gain attendance credit
 - Please make sure your employer/affiliation information is correct
- Remote attendees should assure their affiliations are included as part of your WebEx participant name or declare affiliations via the chat function.

14, 15 November 2022 TF plenary agenda

- Approve: Agenda
- Approve: September, October TF interim minutes
- Announcements and General information
 - Attendance and voting
 - Reflector and Web
 - Ground Rules
 - IEEE
 - Structure, Bylaws and Rules
 - Call for Patents
 - IEEE Standards Process
- Chief Editor report
- P802.3cz/D3.1 1st recirculation SA ballot comment resolution
- Future meetings
 - IEEE SA ballot plan
 - RevCom conditional submittal request
- Open Alliance liaison letter response
- Any other business

Presentations

Title	Presenter(s)/Author(s)	Affiliation(s)	Time
Agenda and General Information	Robert Grow	RMG Consulting/KDPOF	
Chief Editor's Report	Luisma Torres	KDPOF	
Late presentations (Require TF approval to be added to agenda)			

*Top Agenda presentation is administrative and will be revisited multiple times during the meeting.

Voting

- All Bangkok plenary TF votes will be either unanimous consent or by roll call during this meeting
 - Only 802.3 members may vote
- Please remember that both attendance and voting on ballots are requirements for maintaining 802.3 voting member status
 - WG ballot groups are set/frozen at beginning of each WG ballot series
 - WG membership may be lost for failure to vote on a ballot series
 - When a project progresses to SA ballot that ends the ballot series
 - Ballot individual participation history may be found at:
https://www.ieee802.org/3/ballots/ballot_returns.pdf

In-person 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

Teleconference Decorum



- Please **MUTE** unless called on
- Use the chat function to be placed into the queue
- Please observe proper decorum in meetings

OMEGA email reflector

- To subscribe to the Multi-Gigabit Optical Automotive Ethernet (OMEGA) reflector, send an email to:

ListServ@ieee.org

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

subscribe stds-802-3-OMEGA <yourfirstname> <yourlastname>
end

- Send Multi-Gigabit Optical Automotive Ethernet (OMEGA) reflector messages to:

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

- Task Force web page URL:

<http://www.ieee802.org/3/cz/index.html>

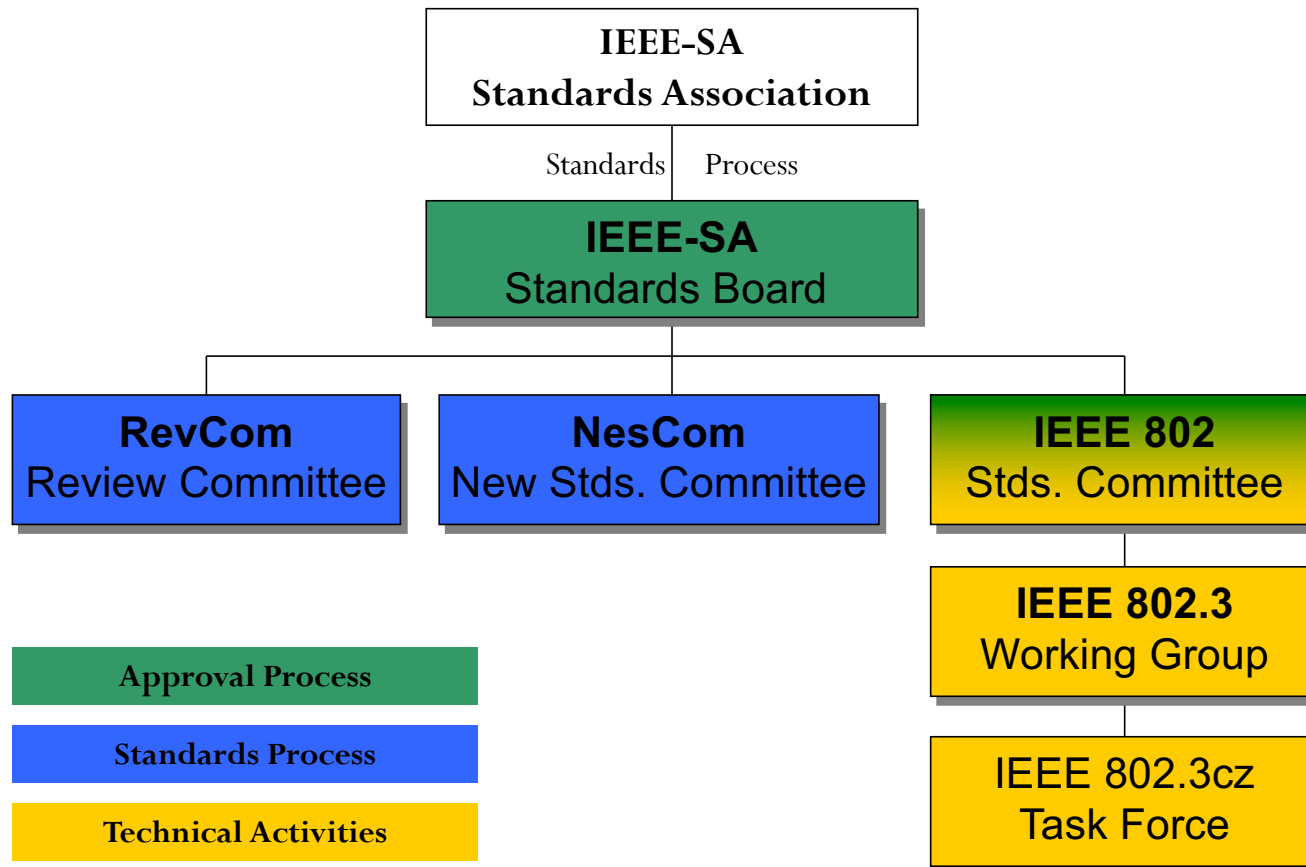
Web site

- TF home page: www.ieee802.org/3/cz
- Private area access:
 - www.ieee802.org/3/cz/private
 - Access will be possible with:
 - Username: 802.3cz
 - Password: <provided during meeting>
 - The IEEE 802.3 username and password will also provide access

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/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>
08 June 2021 – Slide 3

PATENT-RELATED INFORMATION

The patent policy and the procedures used to execute that policy are documented in the:

- ***IEEE SA Standards Board Bylaws***
(<http://standards.ieee.org/develop/policies/bylaws/sect6-7.html#6>)
- ***IEEE SA Standards Board Operations Manual***
(<http://standards.ieee.org/develop/policies/opman/sect6.html#6.3>)

Material about the patent policy is available at
<http://standards.ieee.org/about/sasb/patcom/materials.html>

**If you have questions, contact the IEEE SA
Standards Board Patent Committee
Administrator at patcom@ieee.org**

IEEE SA 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

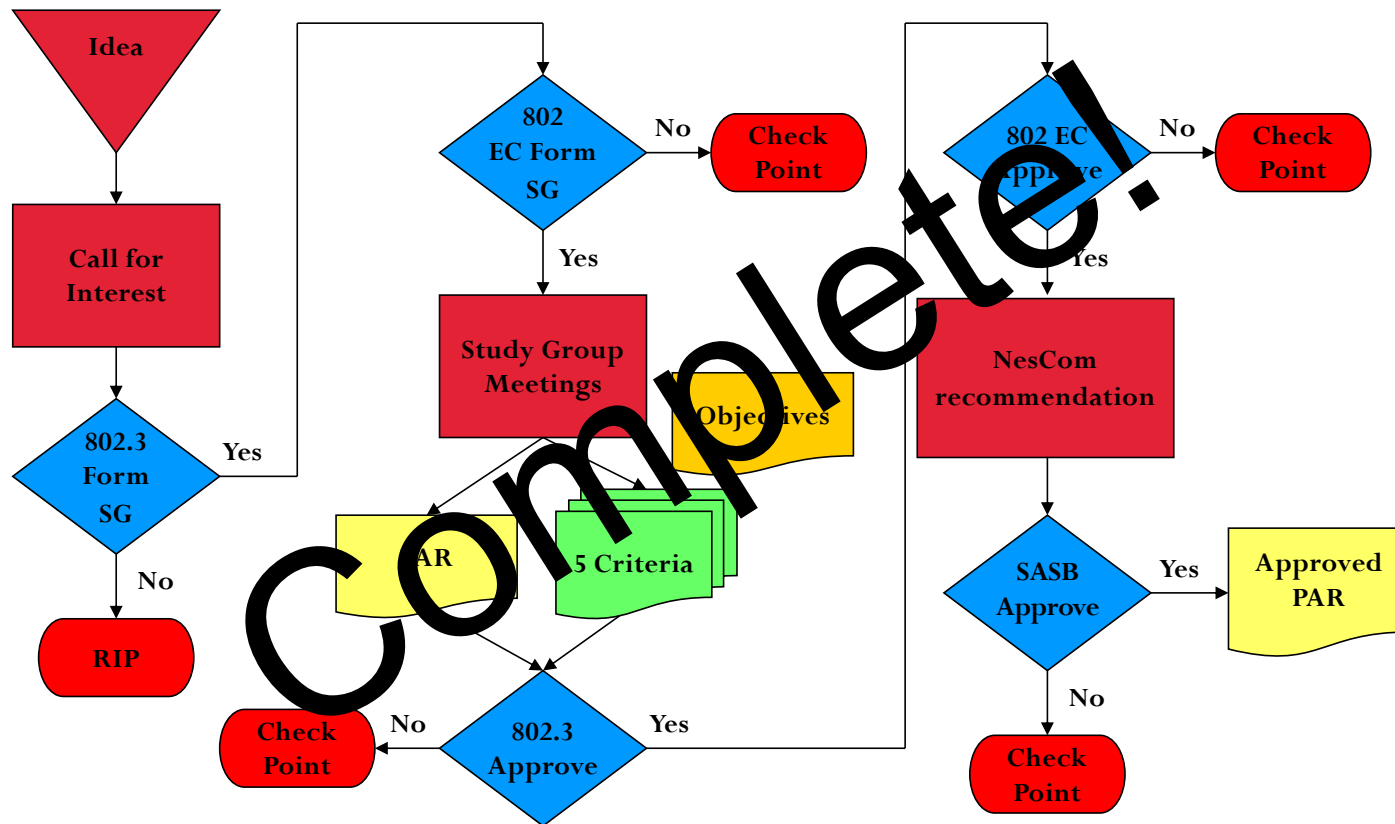
- The [IEEE-SA Standards Board Bylaws](#) require that “*participants in the IEEE standards development individual process shall act based on their qualifications and experience*”
- This means participants:
 - **Shall act & vote** based on their personal & independent opinions derived from their expertise, 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

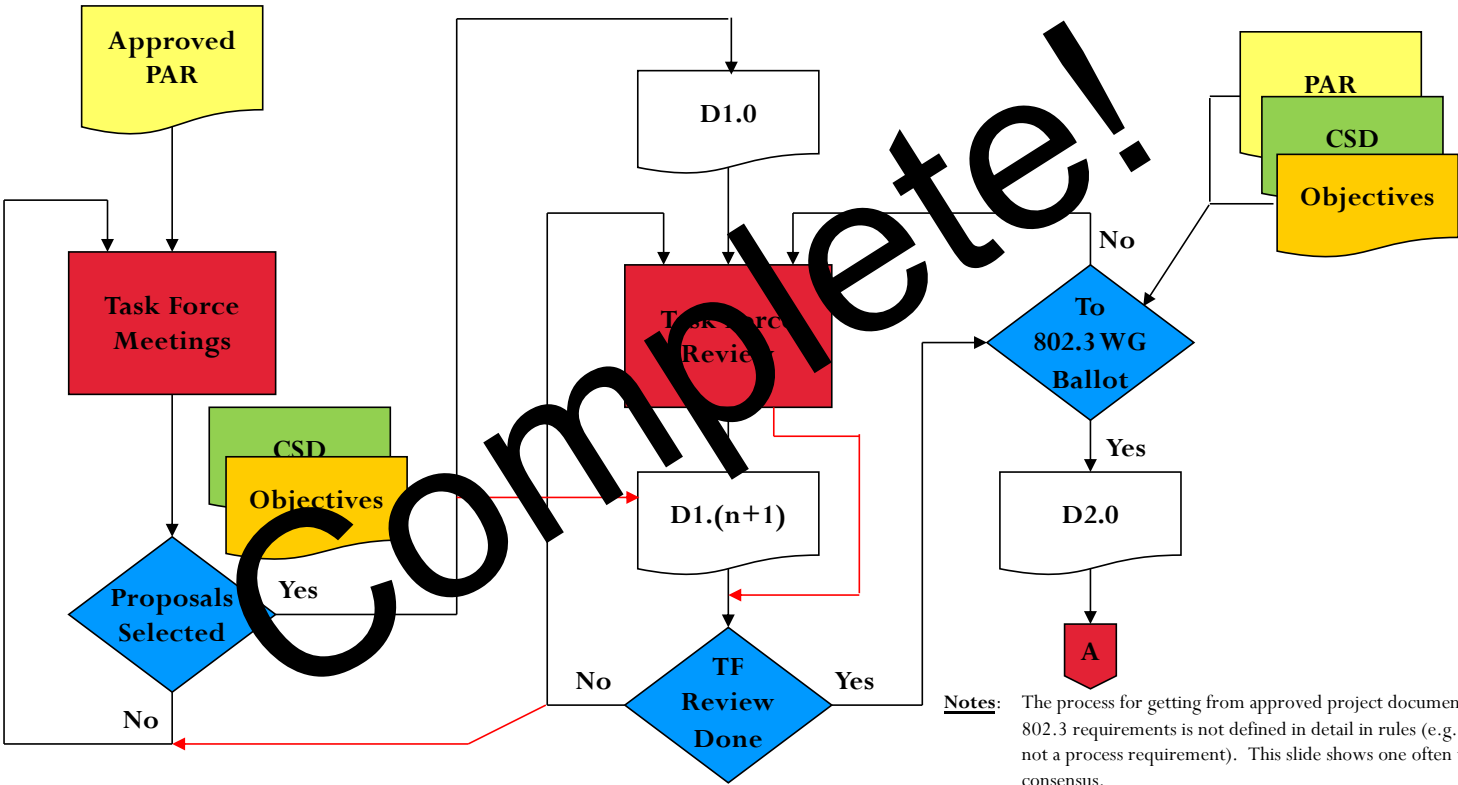
- The [IEEE-SA Standards Board Bylaws](#) (clause 5.2.1.3) specifies that *“the standards development process shall not be dominated by any single interest category, individual, or organization”*
 - This means no participant may exercise *“authority, leadership, or influence by reason of superior leverage,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

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



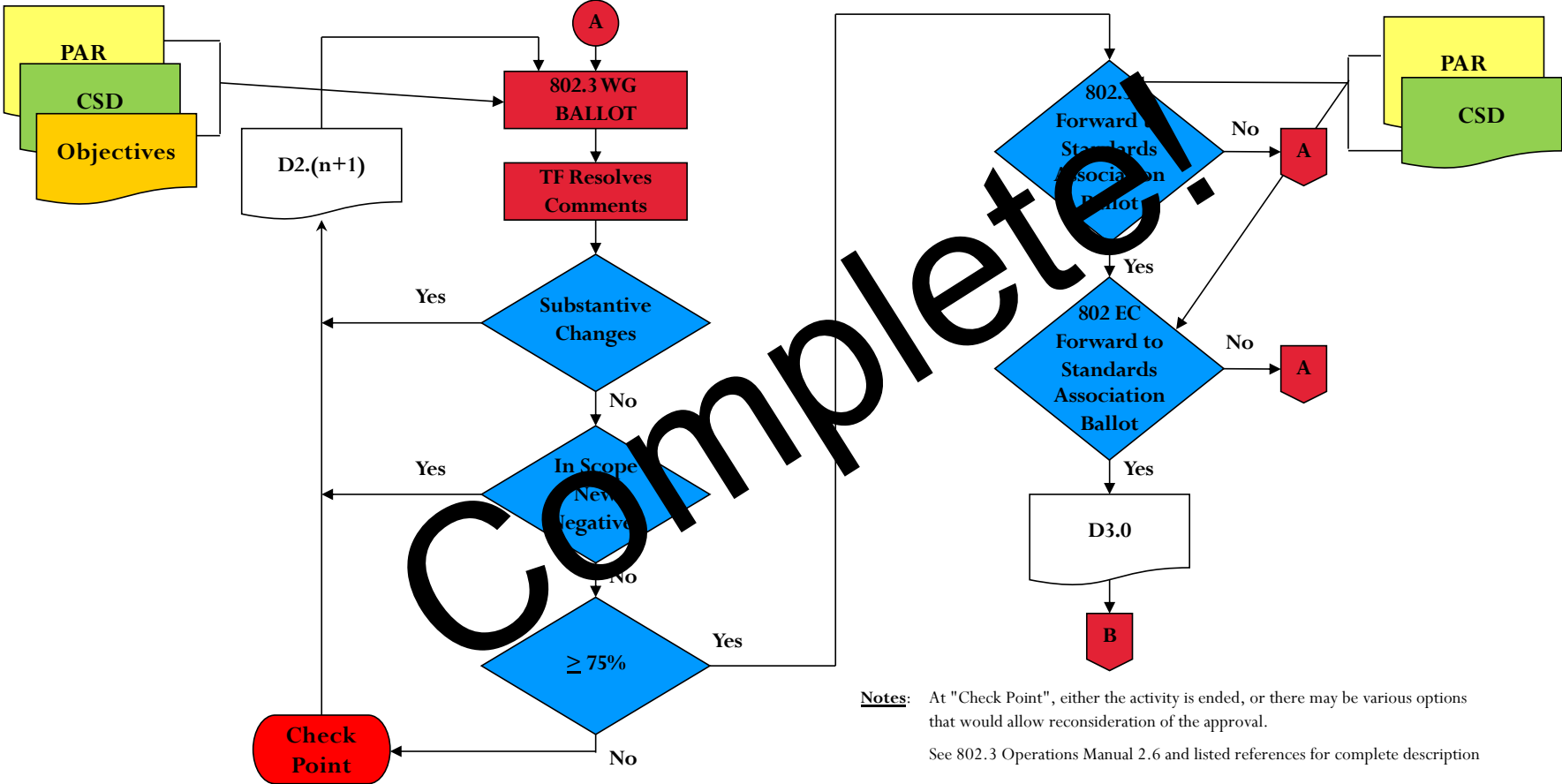
Note: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

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



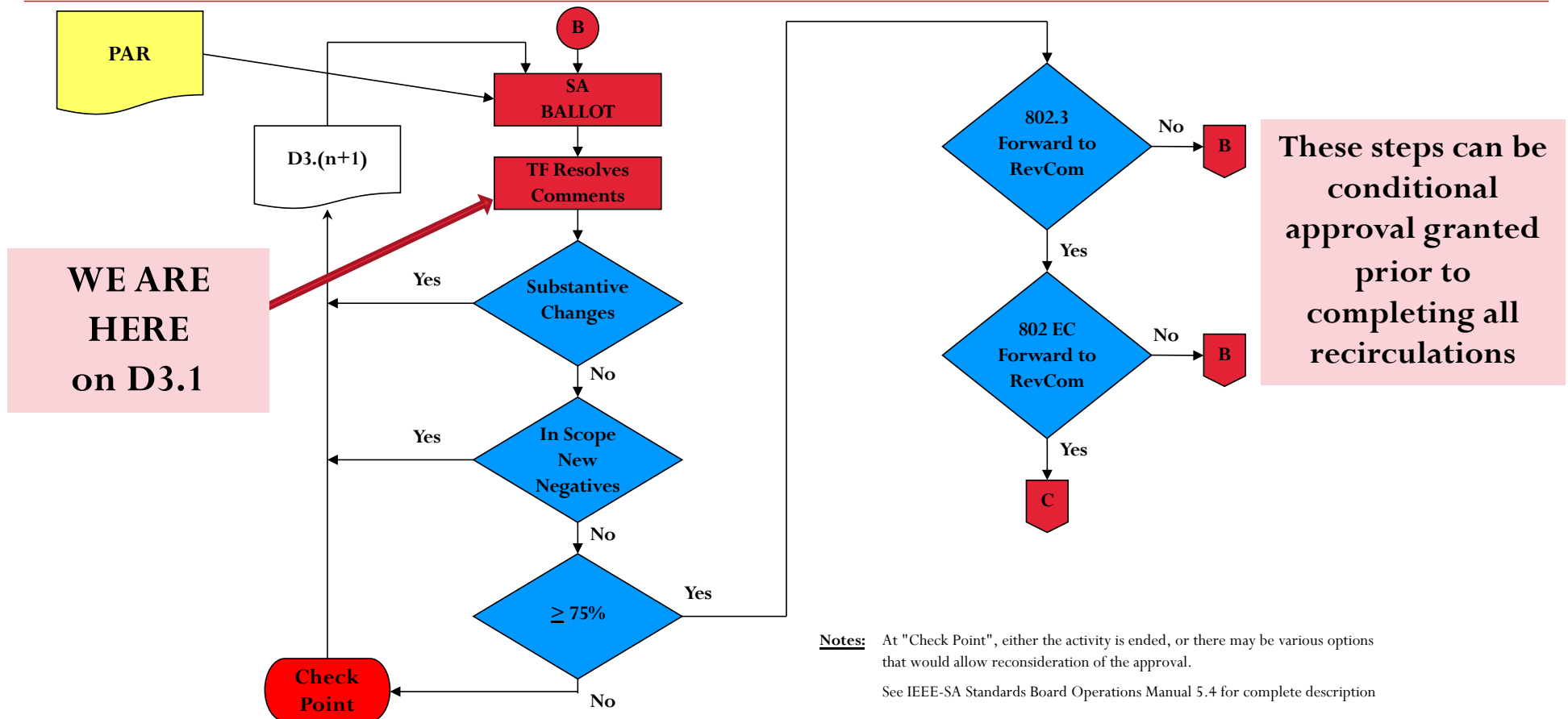
Notes: The process for getting from approved project documents to a draft that meets 802.3 requirements is not defined in detail in rules (e.g., Task Force Review is not a process requirement). This slide shows one often used way to develop consensus.
See 802.3 Operations Manual 2.6.2 for WG ballot draft requirements.

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

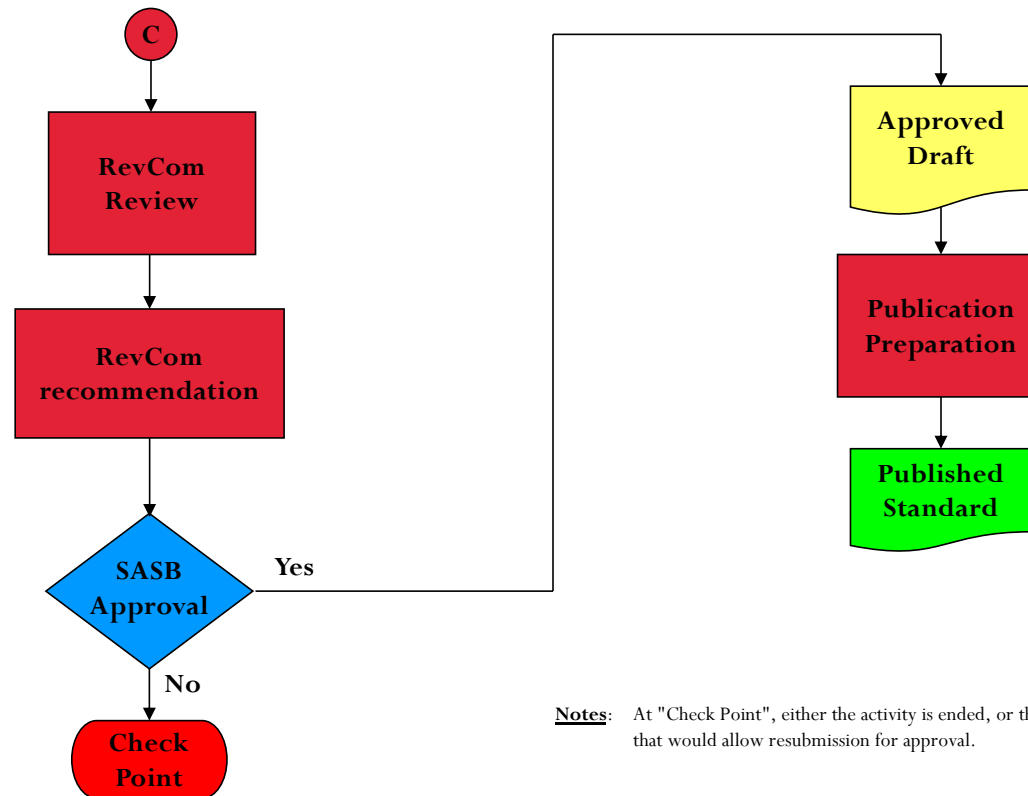


Notes: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.
See 802.3 Operations Manual 2.6 and listed references for complete description

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



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



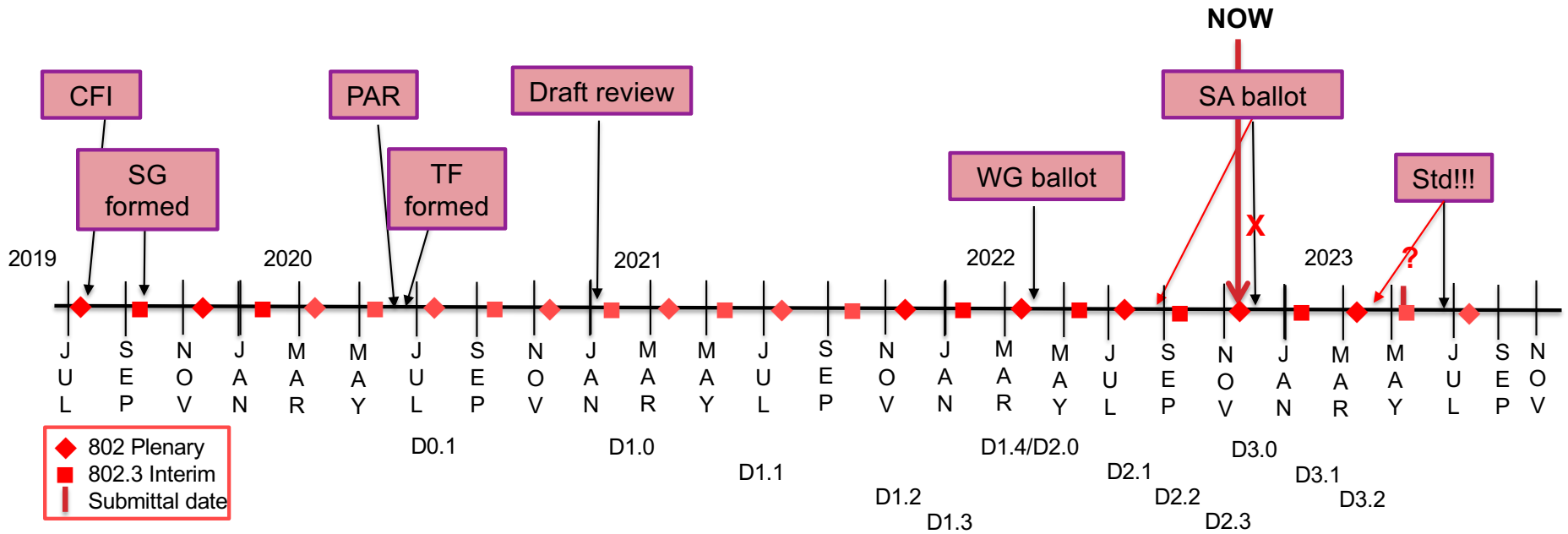
Notes: At "Check Point", either the activity is ended, or there may be various options that would allow resubmission for approval.

IEEE P802.3cz Multi-Gigabit Optical Automotive Ethernet Approved Project Documents

- PAR
 - https://ieee802.org/3/cz/P802d3cz_PAR.pdf
- CSD (5 Criteria)
 - <https://mentor.ieee.org/802-ec/dcn/22/ec-22-0084-00-ACSD-p802-3cz.pdf>
- Objectives
 - http://www.ieee802.org/3/cz/P802d3cz_objectives_01_0520.pdf

IEEE P802.3cz Multi-Gigabit Optical Automotive Ethernet Timeline

Revised: 12 Oct 2021
 Adopted: 18 Nov 2020



*We are ahead of schedule
 (SA ballot red actual)*

IEEE P802.3cz SA ballot status

- The 1st IEEE SA recirculation ballot on 802.3cz/D3.1 closed 9 November 2022
 - Approval percentage: 92%
 - 84 of the 106 people in the ballot group returned ballots (79%)
 - 6 disapprove voters
 - 68 comments submitted (details provided in Chief Editor's report)
- Completing SA balloting:
 - The scope of a recirculation ballot is the disapprove MBS comments and changes to the draft
 - Recirculation ballots continue if approval and abstention percentages are met
 - Another recirculation ballot is required if a valid new negative is received – e.g., new MBS comment(s) that are not a restatement of unsatisfied MBS comments
 - Another recirculation ballot is required if substantive change(s) are made to the draft

RevCom Submittal

- Authorization to submit to RevCom requires 802.3 and 802 Executive Committee approval
 - Unconditional approval is appropriate when all required recirculations have been completed
 - Conditional approval is appropriate when only one or two recirculation ballots are expected
 - 802.3 approvals are voted at interims or plenaries, the EC now holds monthly meetings
- Non-substantive comments can be passed to the publication editor
 - The editor may choose to implement or not implement the suggested change
 - They will not implement anything they consider substantive (our opinion matters but editor decides)
 - Any such comments are identified in the RevCom submittal package (RevCom can factor this into their recommendation to the SASB)
- The final recirculation ballot must be open at the submittal deadline
 - Making no changes to the draft is a sure way to complete SA balloting
 - The best result for a final recirculation is no new negative votes and no comments
 - Any new out-of-scope comments would need to be identified to RevCom
 - New disapprove votes agreeing with unsatisfied MBS comments do not typically require a recirculation

Future Meetings

- January interim – D3.2 comment resolution (contingent)
 - Will D3.2 be our last recirculation? If so, a November conditional submittal motion is required for 20 December RevCom submittal (January RevCom)
- ~ 9 February D3.3 comment resolution (contingent)
 - If D3.3 can be submitted, either a November or a January conditional submittal motion would allow 17 February submittal (March RevCom)
 - If D3.4 recirculation ballot is required, would have to be open by 17 Feb for submittal (March RevCom) and January conditional submittal motion would be required
- March plenary – D3.4 comment resolution (contingent)

IEEE 802.3 Calendar: <https://www.ieee802.org/3/calendar.html>

IEEE 802 meeting notice page: <https://ieee802.org/3/interims/index.html>

IEEE SASB calendar: <https://standards.ieee.org/wp-content/uploads/import/governance/sasb/2023calendar.pdf>

Request conditional approval for RevCom

Moton: Request the IEEE 802.3 Working Group re-affirm the CSD responses in <https://mentor.ieee.org/802-ec/dcn/22/ec-22-0084-00-ACSD-p802-3cz.pdf> and request conditional approval to submit the IEEE P802.3cz draft to RevCom.

M: L. Torres S: C. Pardo

Technical ($\geq 75\%$)

Y: ___ N: ___ A: ___ Unanimous consent



Thank You!