

# AGENDA AND FRONT MATERIAL

IEEE P802.3CK - 100 GB/S, 200 GB/S, AND 400 GB/S  
ELECTRICAL INTERFACES TASK FORCE

BETH KOCHUPARAMBIL, EMPLOYED BY AND AFFILIATED WITH CISCO SYSTEMS  
KENT LUSTED, EMPLOYED BY AND AFFILIATED WITH INTEL CORPORATION

TELEPHONIC INTERIMS TO ADDRESS COMMENTS TO DRAFT 2.0  
MAY 4 & 5, 2021

# MEETING

- Attendance
  - Attendee names and affiliations for these Telephonic Interims will be taken from the WebEx participants list.
  - Please ensure that your full name and employer/affiliation are indicated correctly, if not, please send an e-mail to Beth Kochuparambil ([edonnay at cisco.com](mailto:edonnay@cisco.com)).
  - No IMAT; no official attendance record towards voting rights.
- Please mute your lines if you are not speaking
  - \*6 does NOT work in WebEx Events – chat or email the chair if you're having a hard time getting off mute
  - Perhaps you have the SPACEBAR enabled to control your mute
  - If you're having trouble getting off mute, chat with the meeting host

# AGENDA

- Approval of the Agenda
- Approval of the April 28 Ad Hoc Minutes:  
[https://www.ieee802.org/3/ck/public/adhoc/apr28\\_21/minutes\\_042821\\_3ck\\_adhoc.pdf](https://www.ieee802.org/3/ck/public/adhoc/apr28_21/minutes_042821_3ck_adhoc.pdf)
- IEEE Participation Requirements reminder (<https://standards.ieee.org/ipr/index.html>)
- IEEE Copyright reminder (<http://www.ieee802.org/devdocs.shtml>)
- IEEE Patent Policy reminder (<http://www.ieee802.org/3/patent.html>)
- Ground Rules and Operations
- Task Force Status
- Liaisons
- Chief Editor's Report
- Comment agenda
- Comment resolution

## COMMENT RESOLUTION – 5/4 & 5/5

Clause	Topic	Comments
45	Counter size	214
162	PRBS9Q for EOJ test	133, 141, 236 li_01a, zivny_01, hidaka_01_041421
CC 162/163	Channel COM bmax	205, healey_01
CC 120F/162/163	Abbreviations	215
CC 162/163	AC coupling	37, 38
CC 162/163	COM Tau value	51, 52
CC 120G/162	Jitter tolerance frequency	[13, 43], 35
CC 120F/120G/162/163	Input signal rate and UI	8, 10, 11, 12, 137, 9
CC 120F/162/163	RIT jitter	135, 209, 134, li_02
CC 120G/162	ERL Tfx	174, 185, 184
★ 163	dERL	189, dudek_01, wu_02
162	RIT Noise	207, healey_02
We move onto other Clause 162 RIT topics if time permits.		

★ Intend to jump here at Wednesday's start and return to cross-clause topics when we reach the end of this agenda

## 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 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.

## 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**

# PARTICIPANTS HAVE A DUTY TO INFORM THE IEEE OF POTENTIALLY ESSENTIAL PATENTS...

## Ways to inform IEEE

- **Cause an LOA to be submitted to the IEEE-SA ([patcom@ieee.org](mailto: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

# TASK FORCE STATUS

- Draft 2.0 Working Group Ballot is closed
  - Closed successfully on 18th April 2021
  - The ballot exceeded the required 75%, however we're likely to do a few rounds of WG Ballot
  - 238 Comments & Proposed Responses posted:  
<https://www.ieee802.org/3/ck/comments/index.html>
- Meeting materials to be collected in 1 place
  - [https://www.ieee802.org/3/ck/public/21\\_05/index.html](https://www.ieee802.org/3/ck/public/21_05/index.html)
  - 9 sessions, single set of minutes
- Bucket 1 announced; Requests to remove due Sunday, May 16<sup>th</sup> AoE

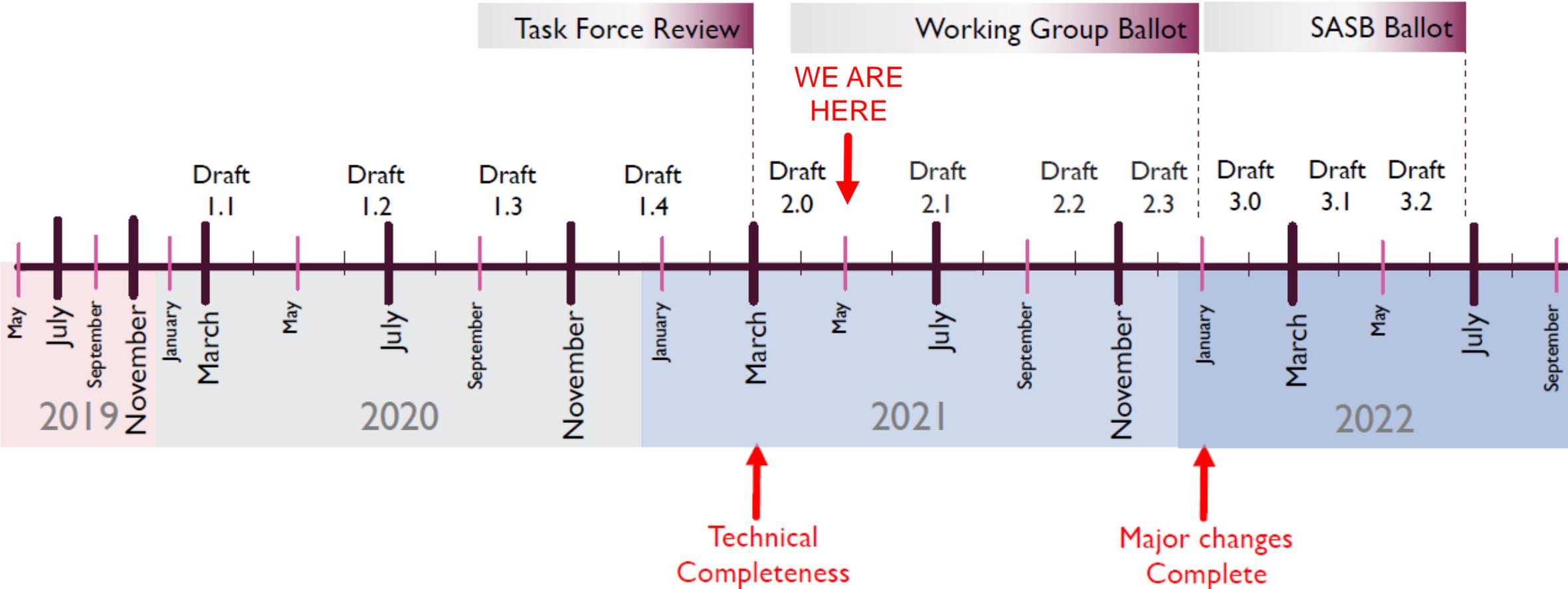
# M a y

802d3.mtg@gmail.com, 802d3.events@gmail.com May 2021 (Pacific Time - Los Angeles)

Sun	Mon	Tue	Wed	Thu	Fri	Sat
2	3 7am - IEEE 802.3 <b>B400G</b> CPO	4 7am - IEEE P802.3 <b>3ck</b>	5 7am - P802.3da 10am - PDCC Week <b>3ck</b>	6	7	8
9	10	11 7am - IEEE P802.3 9am - FW: IEEE	12 7am - FW: IEEE 10am - PDCC Week	13 9am - IEEE P802.3	14	15
<b>OIF</b>						
16	17 IEEE 802.3 May 2021 virtual interim - week 1 @ Teleconference	18	19	20	21	22
	7am - IEEE 802.3 <b>B400G</b>	7am - IEEE P802.3 <b>3ck</b>	10am - PDCC Week <b>3ck</b>	7am - IEEE 802.3		
23	24 IEEE 802.3 May 2021 virtual interim week 2 @ Teleconference	25	26	27	28	29
	7am - IEEE 802.3 <b>B400G</b> CPO	7am - IEEE P802.3 9am - FW: IEEE <b>3ck</b>	7am - FW: IEEE 10am - PDCC Week <b>3ck</b>	9am - IEEE P802.3		
30	31 Memorial Day <b>3ck</b>	1 7am - IEEE P802.3 <b>3ck</b>	2 10am - PDCC Week <b>3ck</b>	3	4	5 June

# IEEE P802.3ck Timeline

(Adopted Revision Aug 2020)



# GROUND RULES

- Recording is prohibited – Is anyone here press?
- **RESPECT one another**... give it, get it
- 9 calendar invites = 1 cohesive meeting
- Offline discussion and consensus building between calls is *necessary*
- No time for crafting solutions or argue wording “on the floor”
- Trust in Editorial License

# OPERATIONS

- **Preparation is key**, our time is *VERY* precious
- **15** min presentations (including clarifying Q&A)
- Discussions will be brief and decisive. I will keep queues moving.
  - Raise your hand or send a chat to be added to the queue
- Deadline to remove comments from bucket I: **Sunday 5/16 AOE**

Viewing Matt Brown (Guest)...

Speaking: Jeff Slavick (Guest)

RM

Brief Tutorial  
 This interface looks slightly different based upon your operating system, but general function should be the same!

RICHARD MELLITZ (Guest)

Participants (9)

Search

Panelist: 6

BK Beth Kochuparambil (Cisco) Host

MB Matt Brown (Gue...

JS Jeff Slavick (Guest)

KL Kent Luste...

PS Phil Sun (Guest)

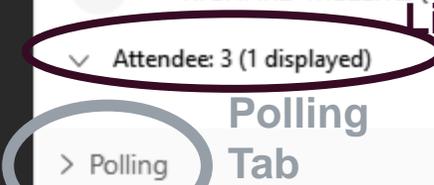
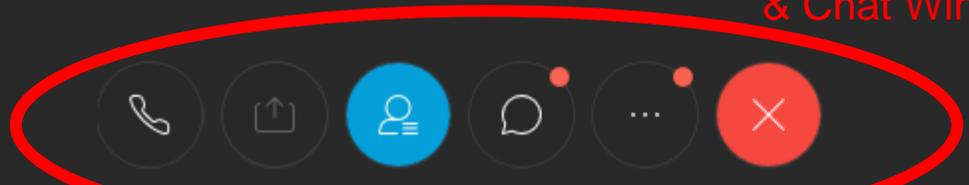
RM RICHARD MELLITZ (Guest)

Attendee: 3 (1 displayed)

View Attendee List

Raise Hand

Participant List & Chat Window



# LIAISONS

- OIF liaison received
  - OIF meets next week & August 2<sup>nd</sup>
- Fibre Channel?
- COBO?
- Gen-Z?
  
- Working Group meeting is May 20<sup>th</sup>, then not until July
  - May comment resolution
  - Mid-June re-circulation
  - Start comment resolution in late-July



THANK YOU!



# COMMON COMMENT RESOLUTION PROCESS (.3CK,.3CU,.3CT)

## ■ Comment Status Terminology

- “Open” comments – comments that Task Force have not agreed upon a remedy
- “Closed” comments – comments that Task Force have agreed upon a remedy
- “Final” comments – Task Force has approved motion to adopt the responses to the closed comments

## ■ Allow individuals (other than commenter) two business days (AoE, ~67hrs) to request, *via the reflector*, a “Closed” comment, *from the prior meeting only*, be considered for re-opening

- Post updated comment database after each meeting
- Individual needs to be present at next meeting to address
- Normal procedures within the group will apply to determine if comment will be re-opened

## ■ After comment resolution is over – normal procedures to adopt responses and generate next draft will be followed

# IEEE STRUCTURE

**IEEE-SA**  
Standards Association

Standards | Process

**IEEE-SA**  
Standards Board

**RevCom**  
Review Committee

**NesCom**  
New Stds. Committee

**IEEE 802**  
Sponsor Group

**IEEE 802.3**  
Working Group

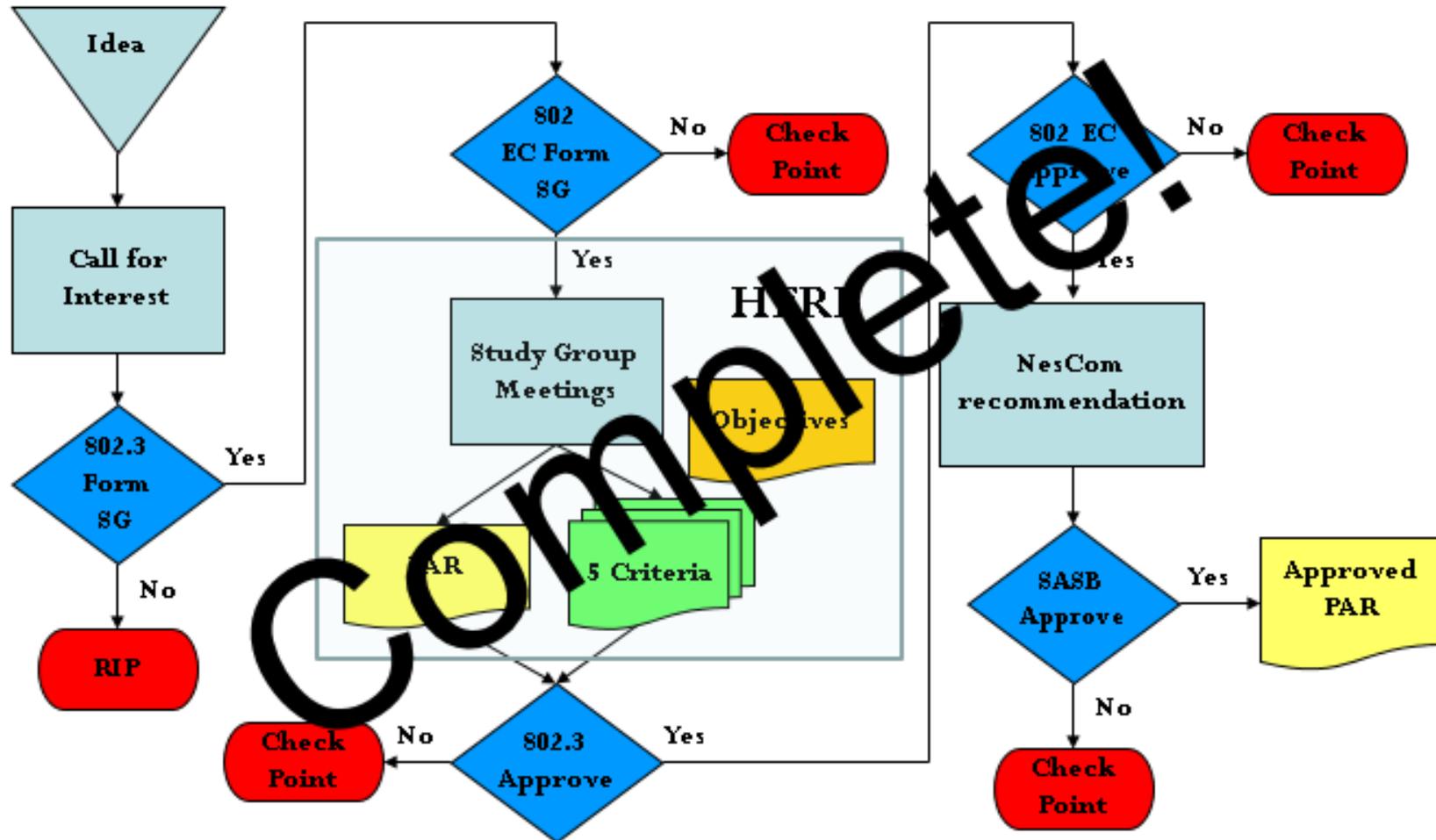
**IEEE 802.3**  
Task Force

Approval Process

Standards Process

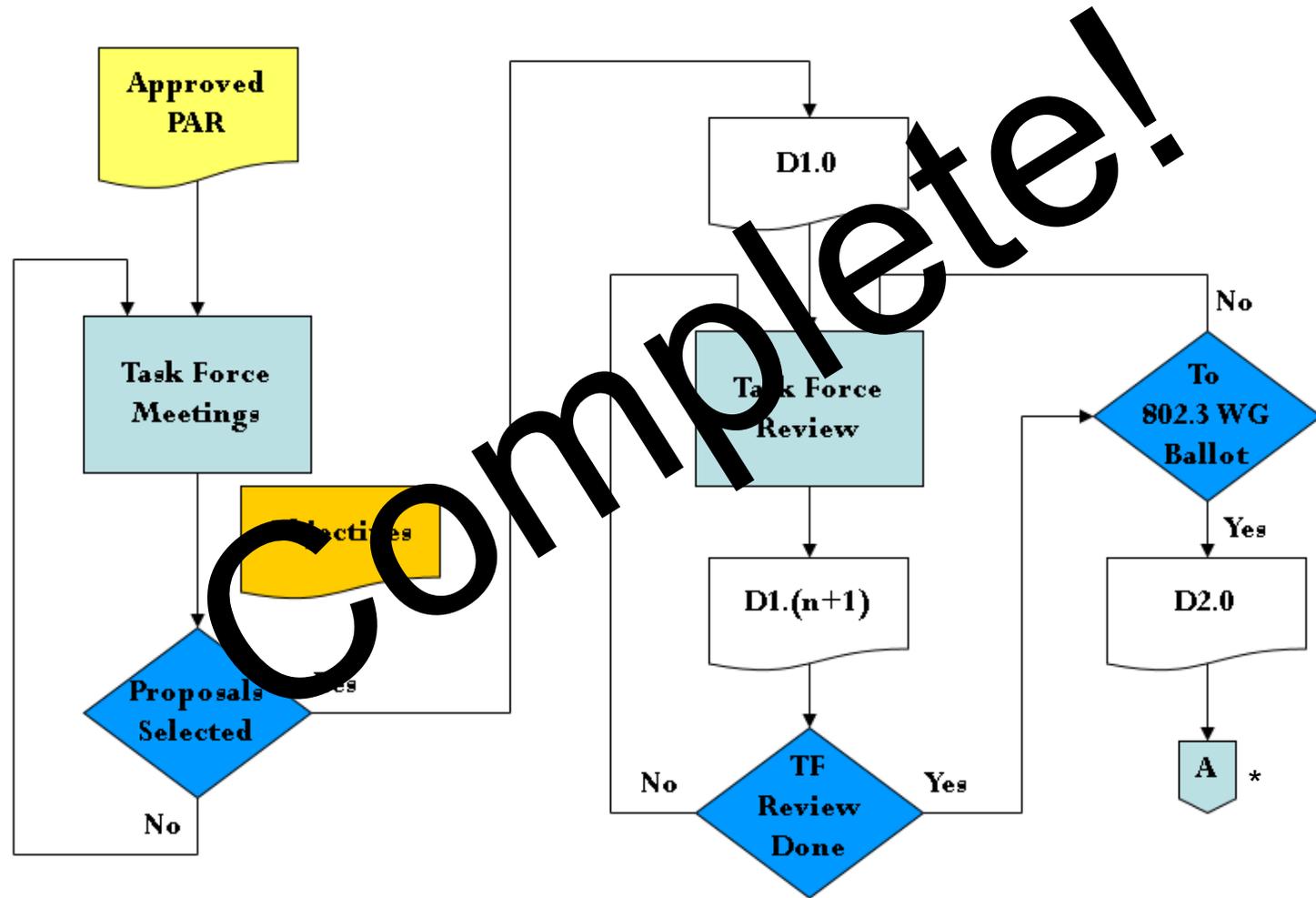
Technical Activities

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

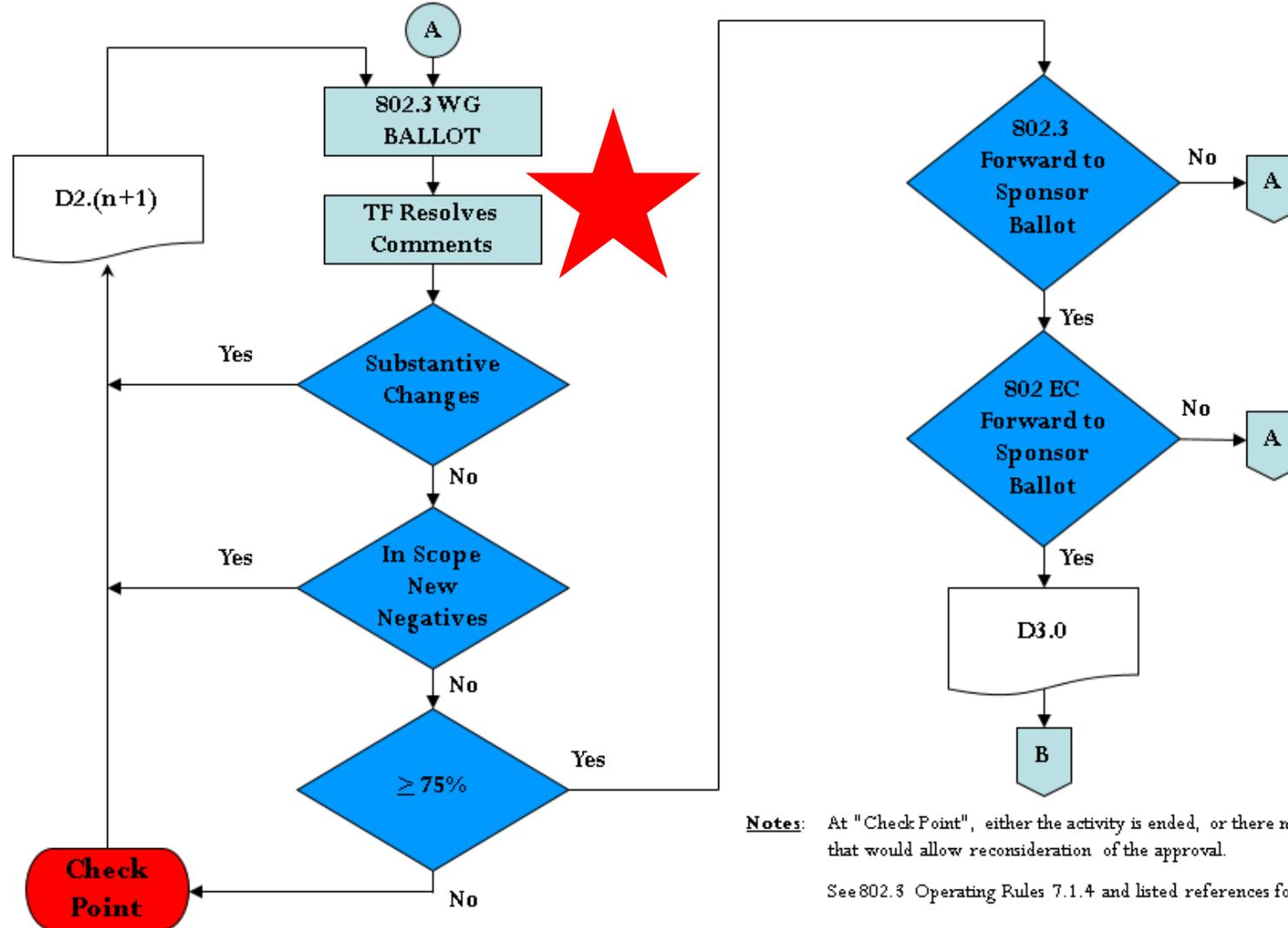


Note: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

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



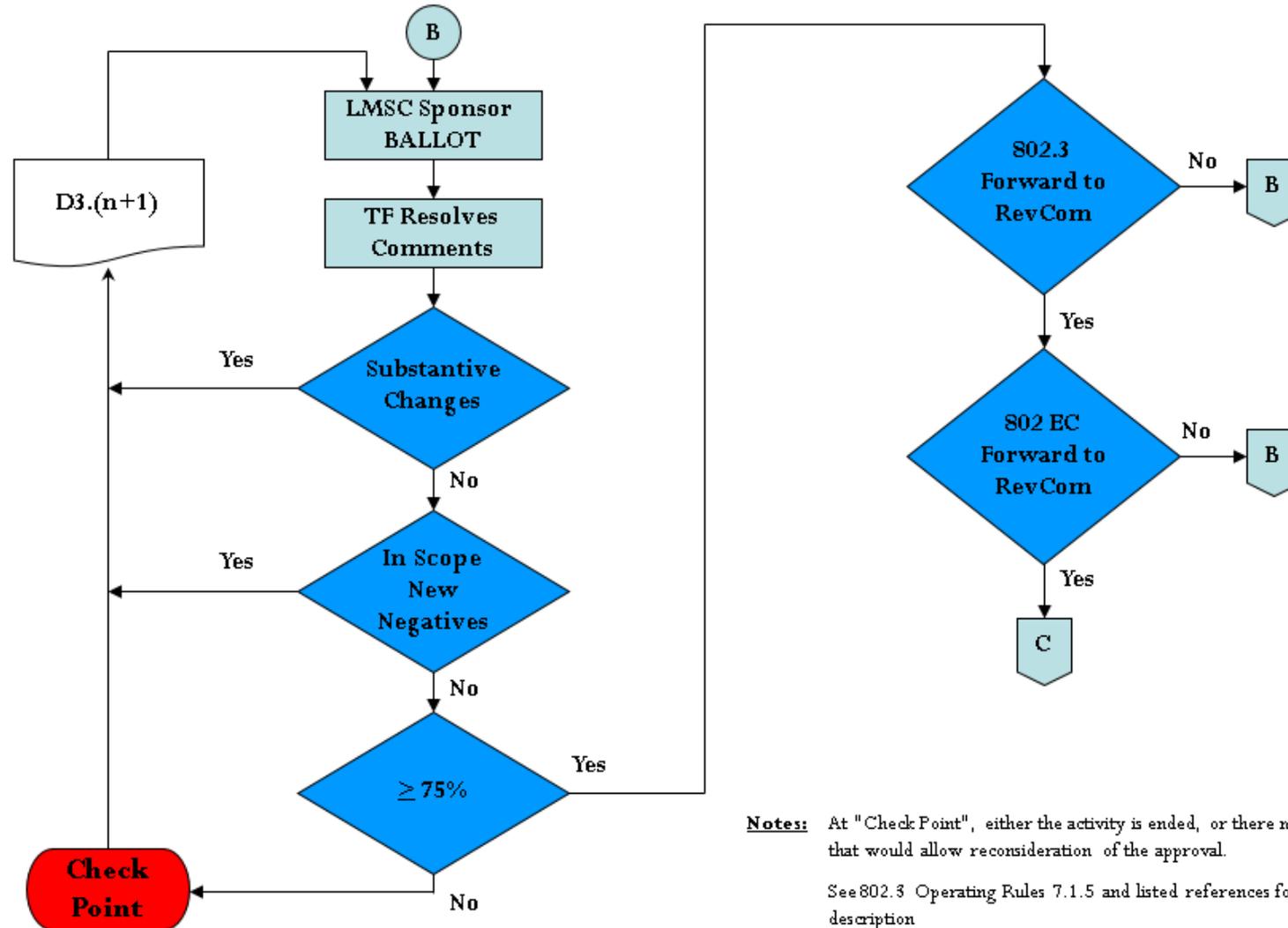
# Overview of IEEE 802.3 Standards Process (3/5) – Working Group Ballot Phase



**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 Operating Rules 7.1.4 and listed references for complete description

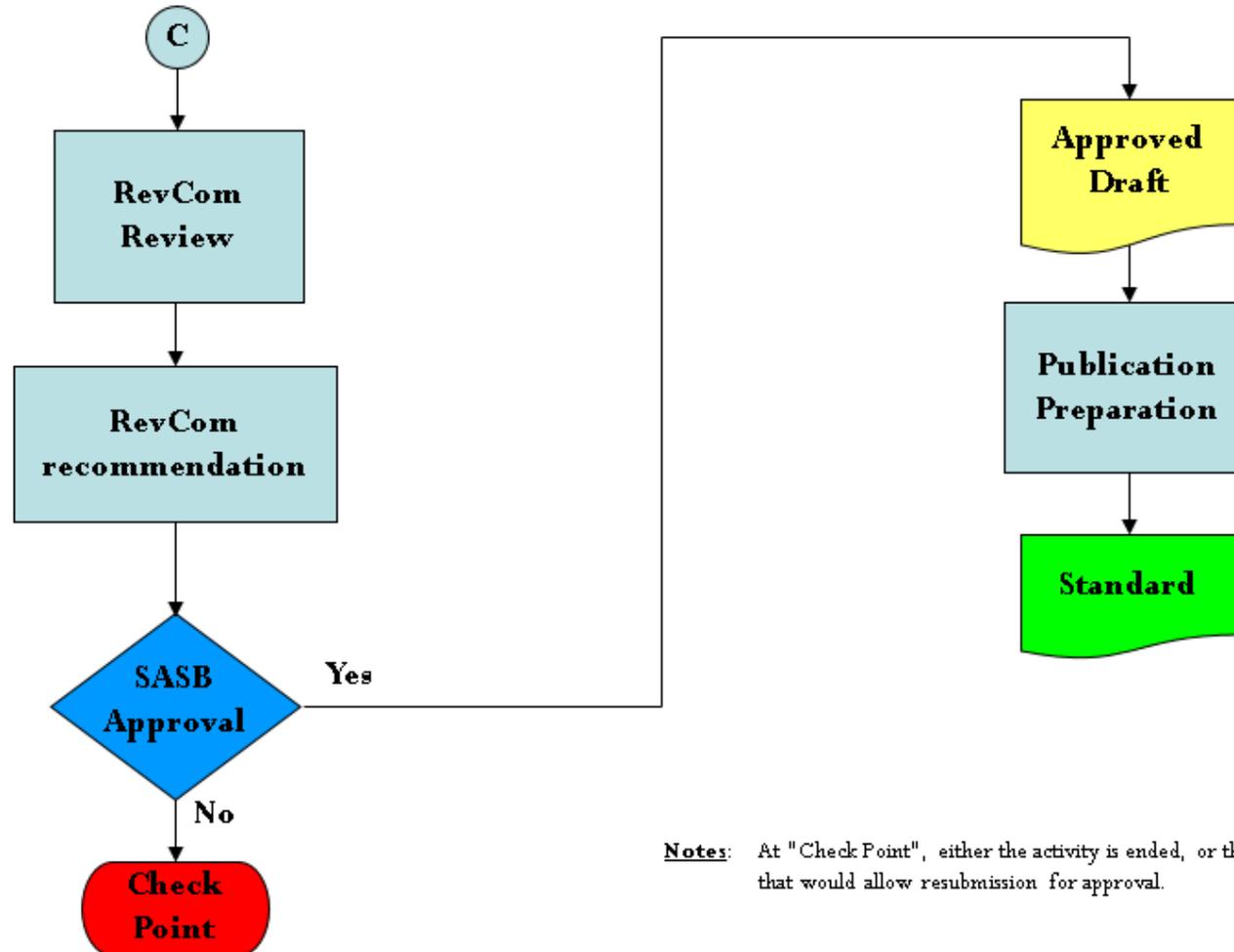
# Overview of IEEE 802.3 Standards Process (4/5)- Sponsor Ballot Phase



**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 Operating Rules 7.1.5 and listed references 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 P802.3CK – 100 GB/S, 200 GB/S, 400 GB/S ELECTRICAL INTERFACES TASK FORCE - APPROVED PROJECT DOCUMENTS

- PAR: [http://www.ieee802.org/3/ck/P802\\_3ck\\_PAR\\_140518.pdf](http://www.ieee802.org/3/ck/P802_3ck_PAR_140518.pdf)
- CSD: [http://www.ieee802.org/3/ck/P802\\_3ck\\_CSD\\_06apr18.pdf](http://www.ieee802.org/3/ck/P802_3ck_CSD_06apr18.pdf)
- Objectives: [http://www.ieee802.org/3/ck/P802\\_3ck\\_Objectives\\_2018mar.pdf](http://www.ieee802.org/3/ck/P802_3ck_Objectives_2018mar.pdf)

## REFLECTOR AND WEB

- To subscribe to the 100GEL reflector, send an email to:

*ListServ@ieee.org*

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

*subscribe* STDS-802-3-100GEL <yourfirstname> <yourlastname>

*end*

- Send 100GEL reflector messages to:

*STDS-802-3-100GEL@LISTSERV.IEEE.ORG*

- Task Force  web page URL:

*http://www.ieee802.org/3/ck/index.html*

# IMPORTANT BYLAWS AND RULES

- **IEEE-SA Operations Manual**  
[http://standards.ieee.org/develop/policies/sa\\_opman/](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](http://ieee802.org/3/rules/P802_3_rules.pdf)