

Viewing Matt Brown (Guest)...

Change View



Speaking: Jeff Slavick (Guest)



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)

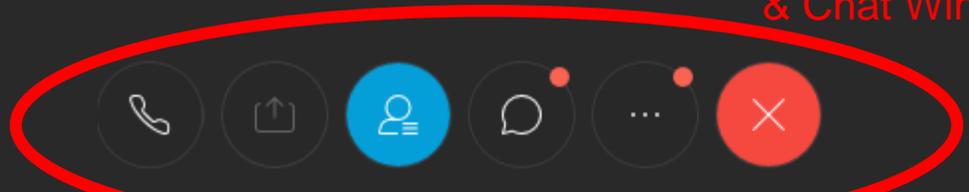
Raise Hand



> Polling

Polling Tab

Participant List & Chat Window



# 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

MATT BROWN, EMPLOYED BY AND AFFILIATED WITH HUAWEI

TELEPHONIC INTERIM SERIES

APRIL 22ND, 2020

# 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

# AGENDA

- Approval of the Agenda
  - IEEE Patent Policy reminder (<http://www.ieee802.org/3/patent.html>)
  - IEEE Copyright reminder (<http://www.ieee802.org/devdocs.shtml>)
  - IEEE Participation Requirements reminder (<https://standards.ieee.org/ipr/index.html>)
  - Ground Rules and operations reminder
  - Next Steps for 3ck
  - Comment Resolution\*
- \*Please note that we may not get through the entire list of the comments sent out for focus at this meeting. If time runs out, leadership will work to adjust comment agendas for future meetings.

# Announced Comment List for Wednesday 4/22

- Bucket Comments
- Cable Assembly COM
  - DFE: #136
  - Floating Taps: #148, 10151, 160
  - PCB: #40, 41, 10016, 10017, 10018
- CR TX Characteristics
  - SNDR: #65
  - SNRTX: #64
- Backplane
  - COM: #68, 139
  - benartsi\_3ck\_01\_0320
  - TP0a Measurement: 30 (cross clause to C2C: #35)
  - Test Fixture: 31, 32 (out of the IR bucket)
  - ran\_3ck\_01\_0320
  - TX Characteristic: #58
  - Channel: #39
  - RX Jitter Tol: #33 (cross clause to C2C: #36)
- C2C
  - TP0a Measurement: #35
  - RX Jitter Tol: #36
  - RX Interference Tol: #78, 156
- CR other
  - healey\_3ck\_01\_0320
  - Ref Clk: #73 (cross clause to be applied to 120F, 120G, 162, 163)
  - ran\_3ck\_04\_0320
  - 2<sup>nd</sup> Postcursor: #57
  - Quadrature Jitter: #10252 (out of the IR bucket)

## 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**

## **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.

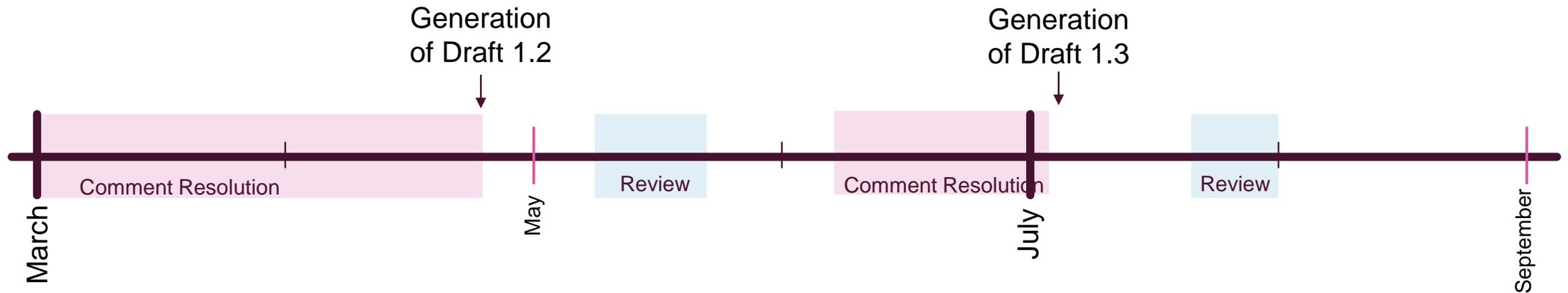
## Participants in the IEEE-SA “*individual process*” shall act independently of others, including employers

- 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

# GROUND RULES

- Recording is prohibited – Is anyone here press?
- **RESPECT one another**... give it, get it
- Do not interrupt presenter
- Raise your hand or send a chat to be added to the queue
  - Discussions will be brief and decisive
- No time for crafting solutions or argue wording “on the floor”

# ADJUSTED SCHEDULE DURING COVID 19



- 3 Telephonic Interims = 9 hours of meeting
  - Can't craft on the floor / Presentations are from early March / Decisive discussions
- Assuming we close NCbucket and NCbucket2, we have 83 comments left... *(incl. 10 from IR bucket)*
  - Typical rate 10-15 comments in 3 hour meeting

## NEXT STEPS

Moderate  
discussions

Draft 1.2 in  
June

- + Every comment getting floor discussion
- Could impact future reviews/cycles
- Without crafting on floor; *time vs. reward*

Leave comments  
open

- + Re-circulate draft
- Extra work and duplicate comments
- Comments remain w/o *consensus* remedies

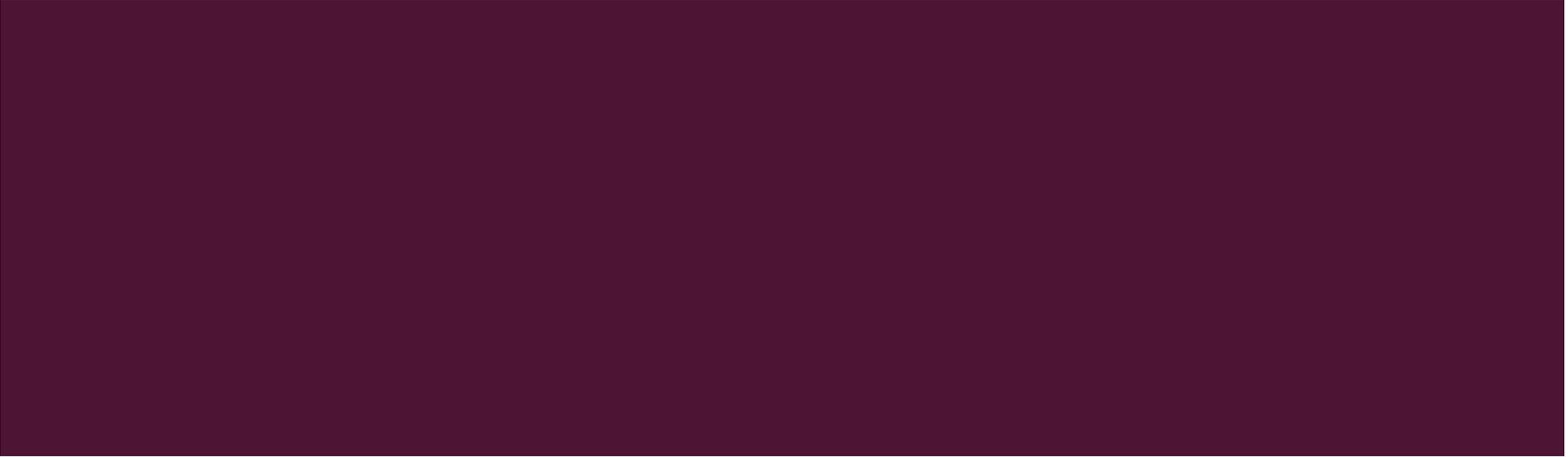
Brief  
discussions

Draft 1.2  
mid-May

- + Allows recalibration w/ big changes made
- + Make use of Ad Hoc time
- Not all *possible* changes made



THANK YOU!



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

## ALREADY COVERED ON 3/11 AD HOC

### ■ 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

# FUTURE MEETINGS

- May 2020 Interim
  - Face-to-Face Cancelled
- July Plenary
  - Week of July 13-16
  - Montreal, QC Canada
- See <http://www.ieee802.org/3/interims/index.html> for more information
- Anyone interested in hosting a interim meeting contact me or the IEEE 802.3 Executive Secretary [Steve Carlson](#).

# 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

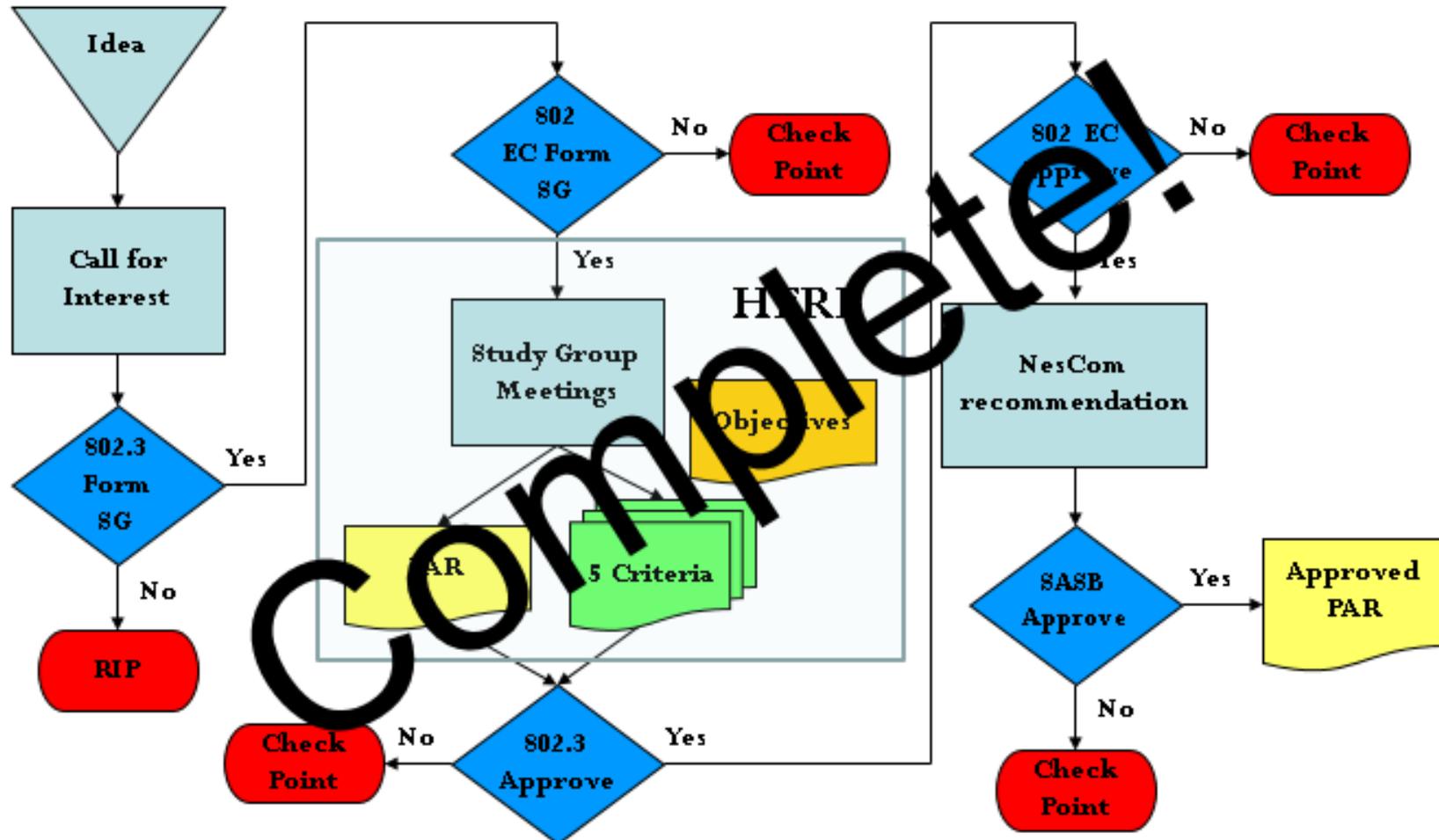
**IEEE 802.3**  
Task Force

Approval Process

Standards Process

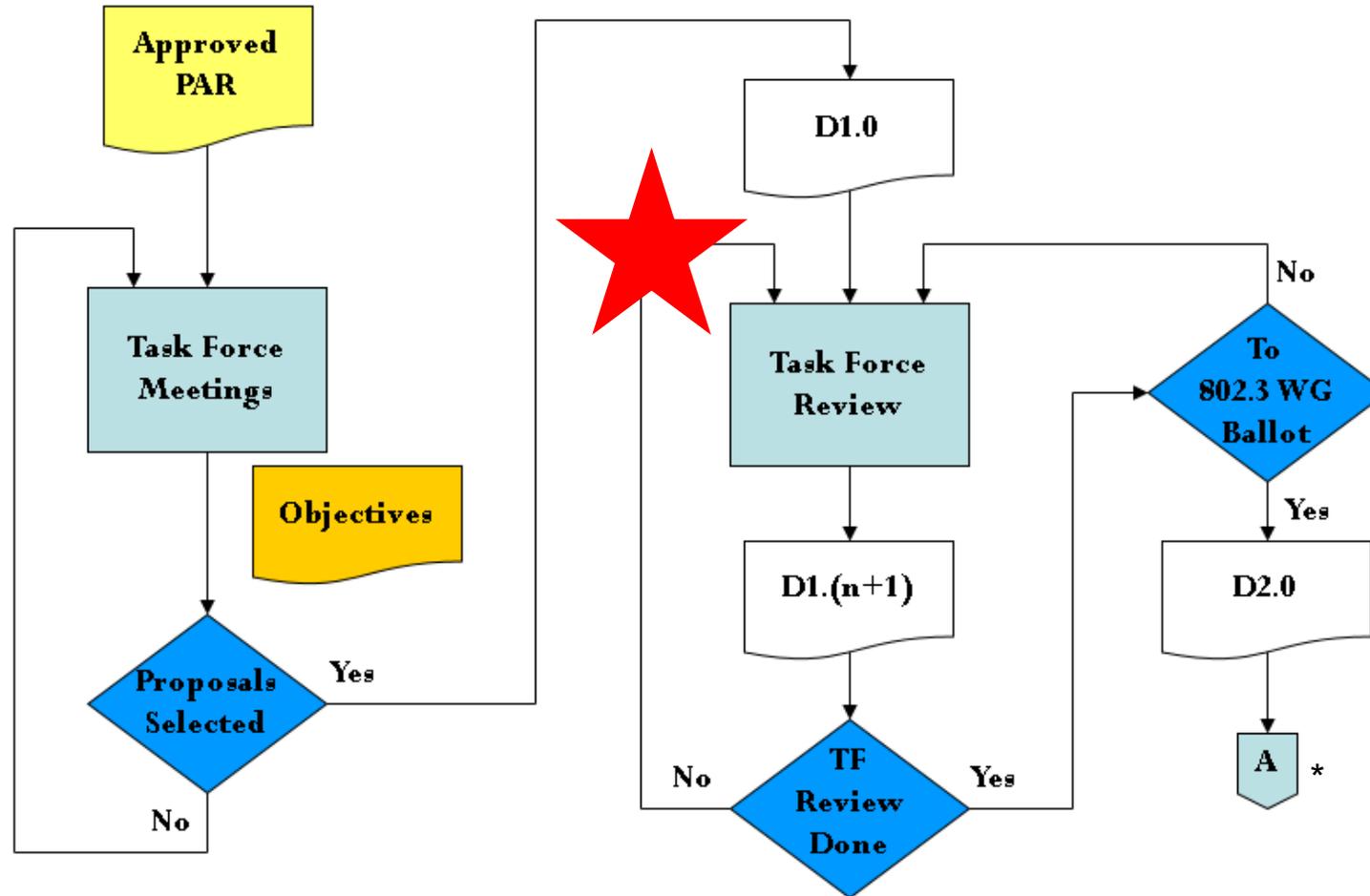
Technical Activities

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

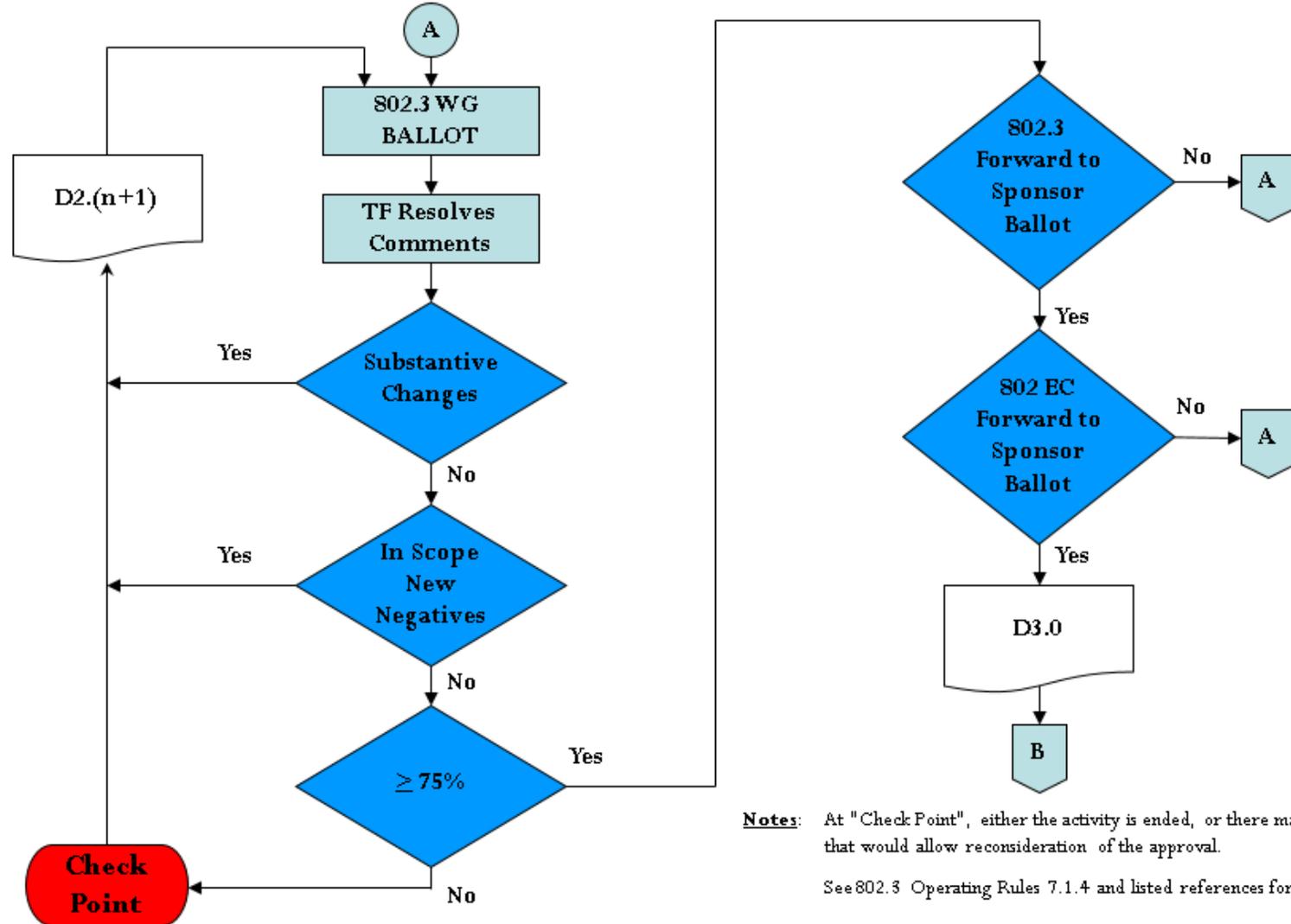


Note: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

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



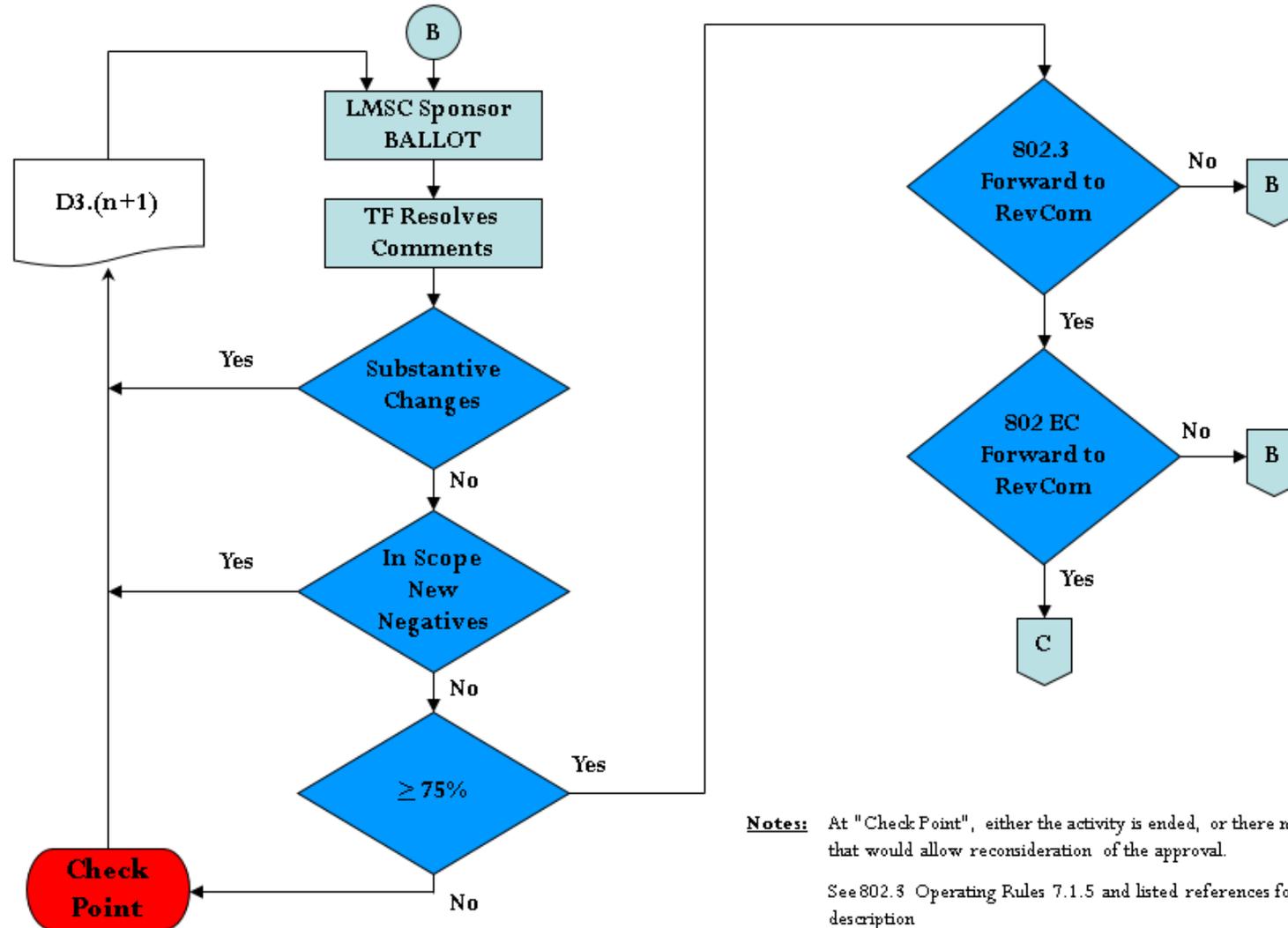
# Overview of IEEE 802.3 Standards Process (3/5) – Working Group Ballot Phase



**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

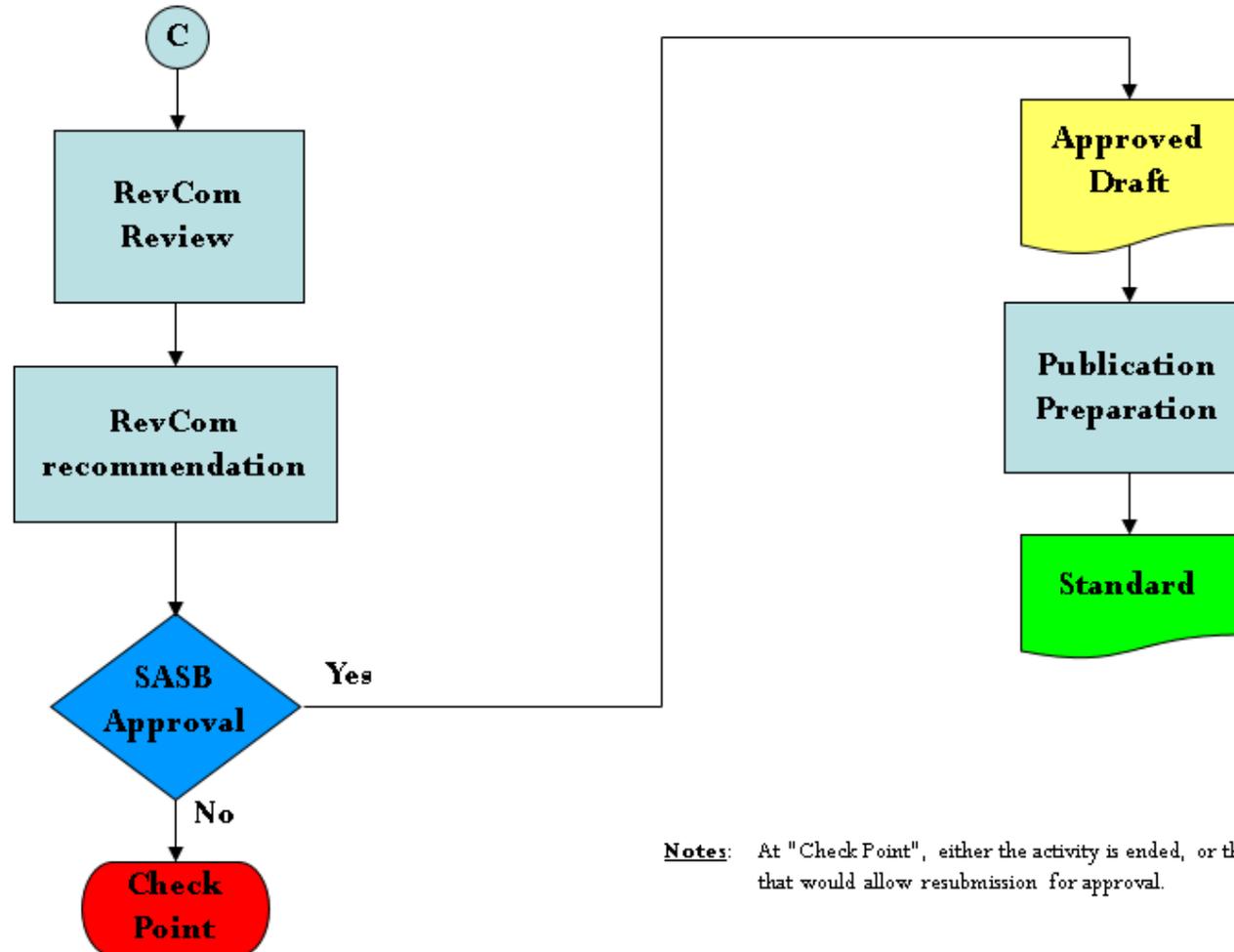
# Overview of IEEE 802.3 Standards Process (4/5)- Sponsor Ballot Phase



**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](mailto: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](mailto: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)

# ADOPTED TIMELINE



— Plenary meeting

— Interim meeting

\* These drafts should have no/minor comments in order to move to next phase of the project.