

# 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 INTERIM SERIES  
MARCH 18, 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
- Approve January Minutes
- 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 reminder
- Task Force Status
- Operations of Telephonic Interims
- Chief Editor's Report
- Comment Resolution\* (email containing the list: <http://www.ieee802.org/3/100GEL/email/msg00403.html>)

\* 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.

## 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

# MOTIONS (FOR FUTURE MEETINGS) WILL BE .3 VOTERS ONLY

- [http://www.ieee802.org/3/minutes/mar20/0320\\_potential.pdf](http://www.ieee802.org/3/minutes/mar20/0320_potential.pdf)

## Membership and attendance recording Membership requirements

- 75% attendance at 2 of last 4 plenary sessions
  - March 2020 IEEE 802 plenary has been cancelled
    - No plenary session to attend
  - After the July 2020 plenary last 4 plenary sessions
    - March 2019, July 2019, November 2019 and July 2020
- Gaining voting membership
  - Membership may be declared at discretion of Working Group Chair
    - Based on this provision I will grant membership to any individual that:
      - a) Is listed on the IEEE 802.3 Potential voter list published for March 2020 plenary meeting
      - b) Registered to attend the March 2020 plenary meeting prior to 5th March 2020
        - Even if subsequently cancelled prior to 5th March 2020
      - c) Contact me before Thursday 19th March 2020 23:59 AoE with proof of registration
    - Individuals granted membership will become members on Friday 20th March 2020
- Email [jon.lewis@dell.com](mailto:jon.lewis@dell.com) with your name, employer and affiliation
  - This will be compared against the teleconference tool attendance list

## TASK FORCE STATUS

- Draft 1.1 review has 215 total comments from 23 reviewers
  - <http://www.ieee802.org/3/ck/comments/index.html>
  - Includes 4 late, 16 withdrawn
- Several large topics need to close:
  - C2M Ref RX, C2M VEC w/noise, ERL methodology, C2C Ref RX
  - Dozens of TBD
- Goal: Close large topics and TBDs of Draft 1.1 to substantiate the creation of Draft 1.2
  - If large topics remain open, Draft 1.2 is at risk

# 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

## EXPECTATIONS - “WE’RE NOT ON AD HOCS ANY MORE...”

- **Preparation is key**, our time is *VERY* precious
- 10 min presentations (including Q&A)
- Discussions will be brief and decisive. I will keep queues moving.
- No time for crafting solutions or argue wording “on the floor”
- Offline discussion and consensus building between calls is *necessary*
- Deadline to remove comments from bucket: **Sunday 3/29 AOE**

Change View



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

Speaking: Jeff Slavick (Guest)



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)

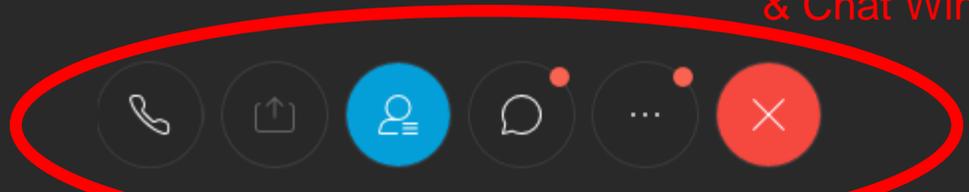
Attendee: 3 (1 displayed)

> Polling Tab

Raise Hand



Participant List & Chat Window

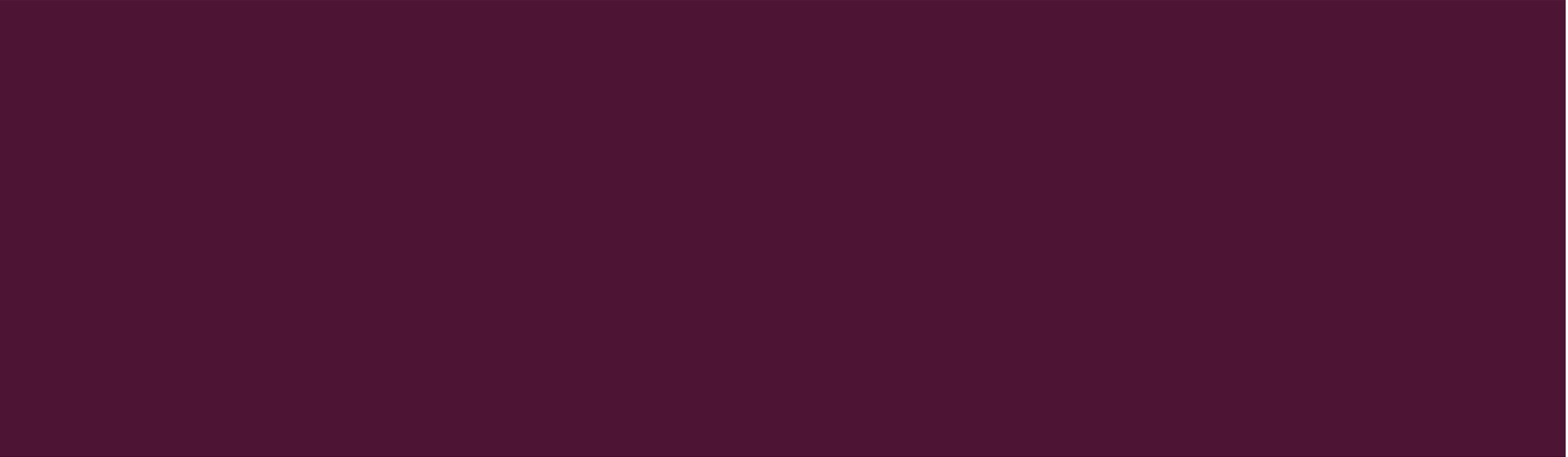


## Comment List for Wednesday 3/18

- Logic
  - FEC negotiation: #48, 56
  - [slavick\\_3ck\\_01\\_0320](#)
  - FEC Enable: #21
- 120F: C2C Ref. RX
  - [sun\\_3ck\\_01\\_0320](#), [ghiasi\\_3ck\\_02\\_0320](#), [healey\\_3ck\\_01a\\_0320](#)
  - Channel/COM: #157, 69, 132, 158
  - Channel/Nb: #16, 133, 147
  - Channel/Bmax: #17, 134, 159
  - Channel/COM: #146, 135
  - RX Characteristics: #78, 156
- 163 KR
  - COM TBD: #67, 155
- 120G: C2M General
  - Host Input: #108, 10063, 124
  - Module Input: #107, 110
- 162: CR general
  - [ran\\_3ck\\_adhoc\\_01\\_031120](#) (summary slide)
  - TX Characteristics: #62, 63, 74
  - [ran\\_3ck\\_04\\_0320](#)
  - TX Characteristics: 57
  - [ghiasi\\_3ck\\_03\\_0320](#) (slide 6)
  - TX Characteristics: 130
- CC: Max\_wait\_timer
  - Timer TBD: #18



THANK YOU!



## FUTURE MEETINGS

- May 2020 Interim
  - Week of May 18, 2020
  - Pasadena, CA, USA
- 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

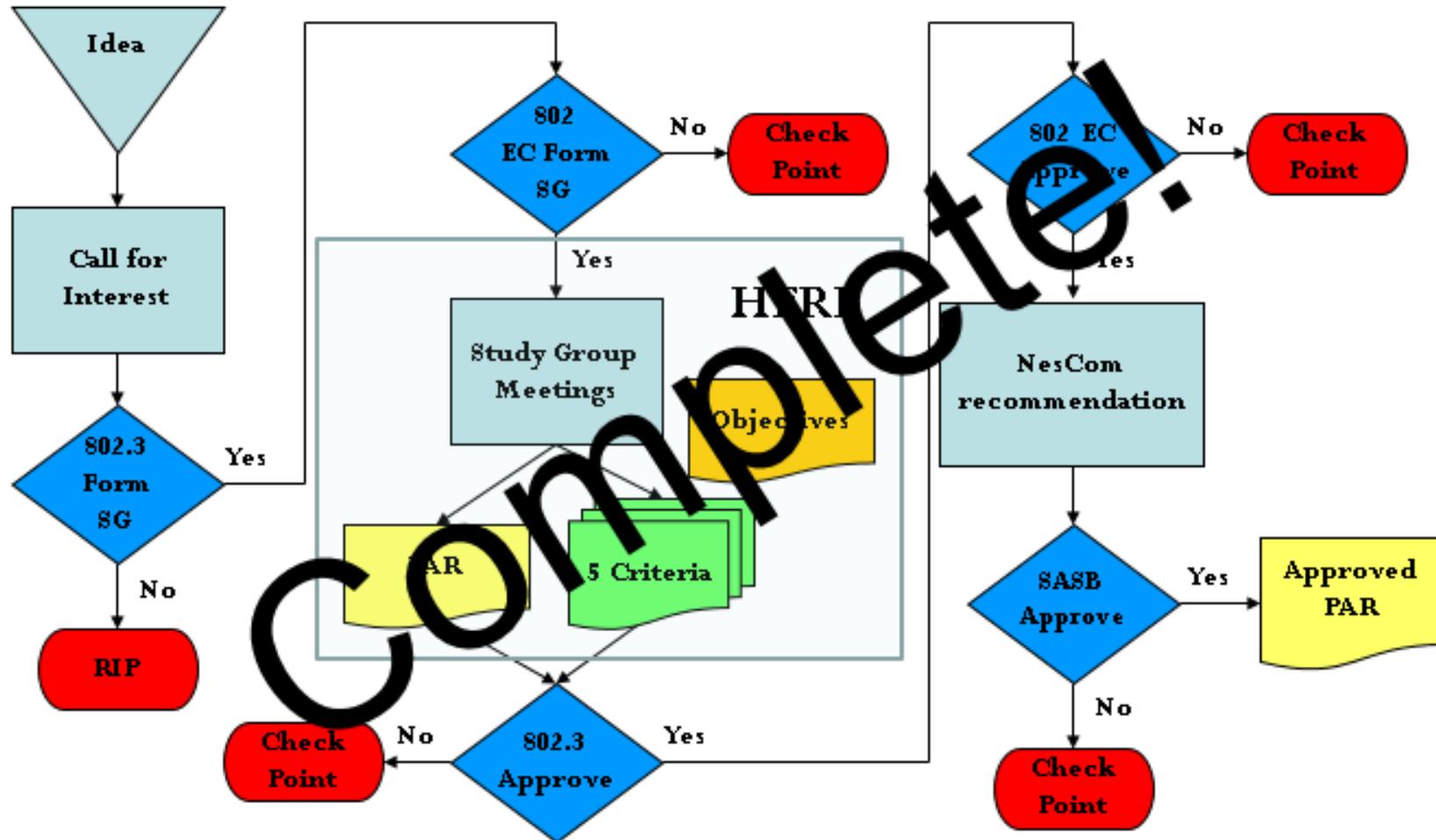
**IEEE 802.3**  
Task Force

Approval Process

Standards Process

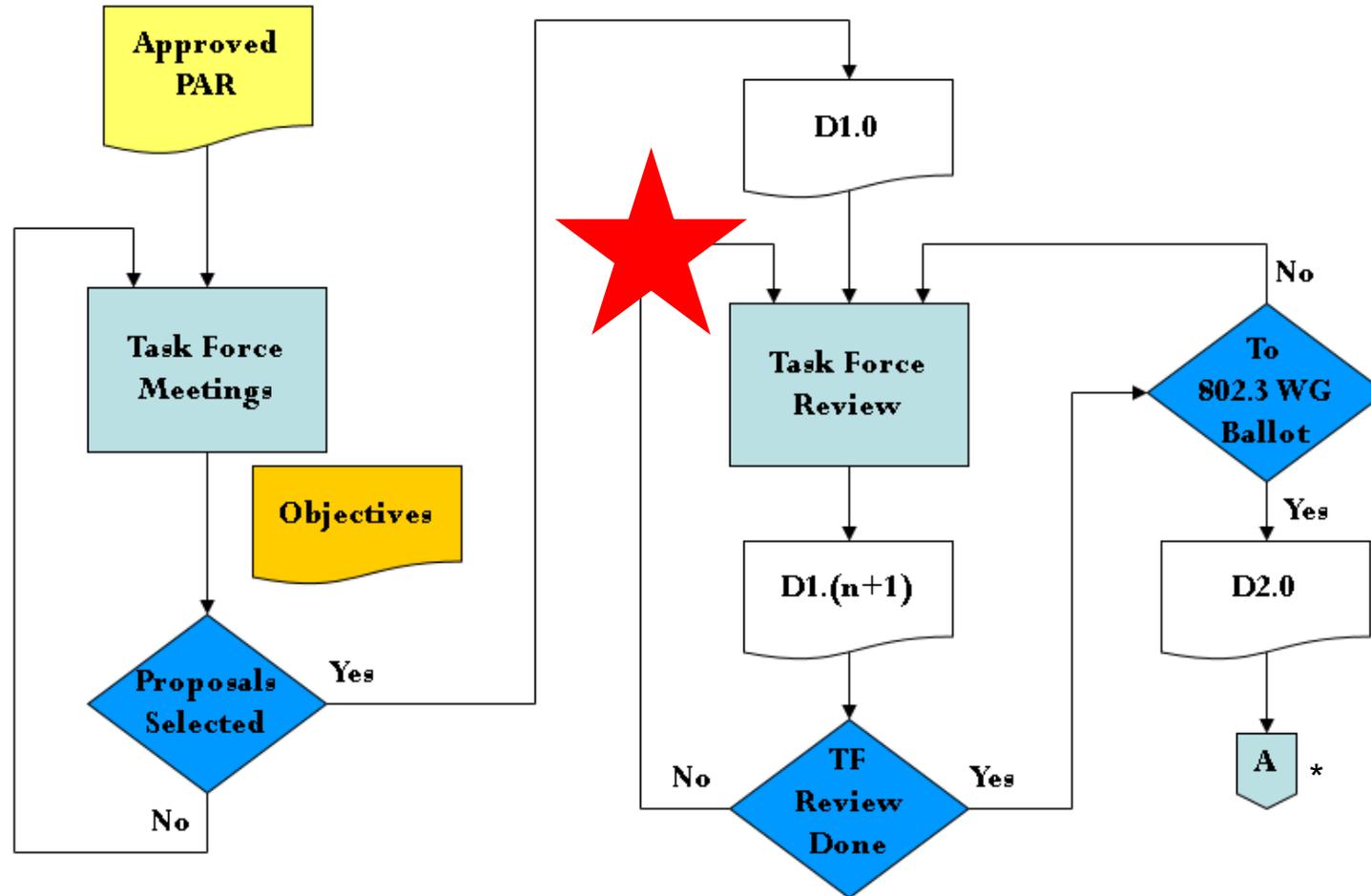
Technical Activities

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

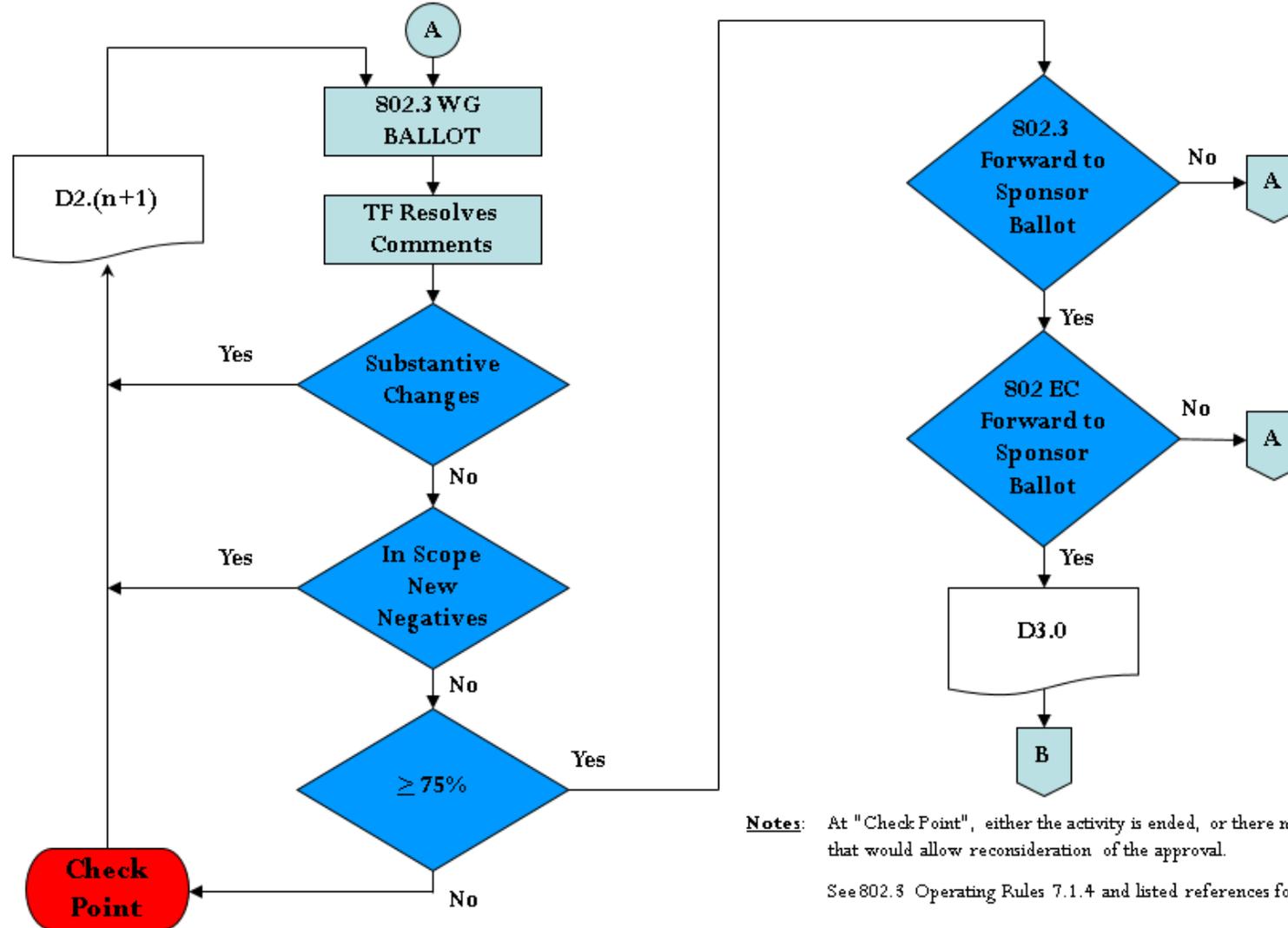


Note: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

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

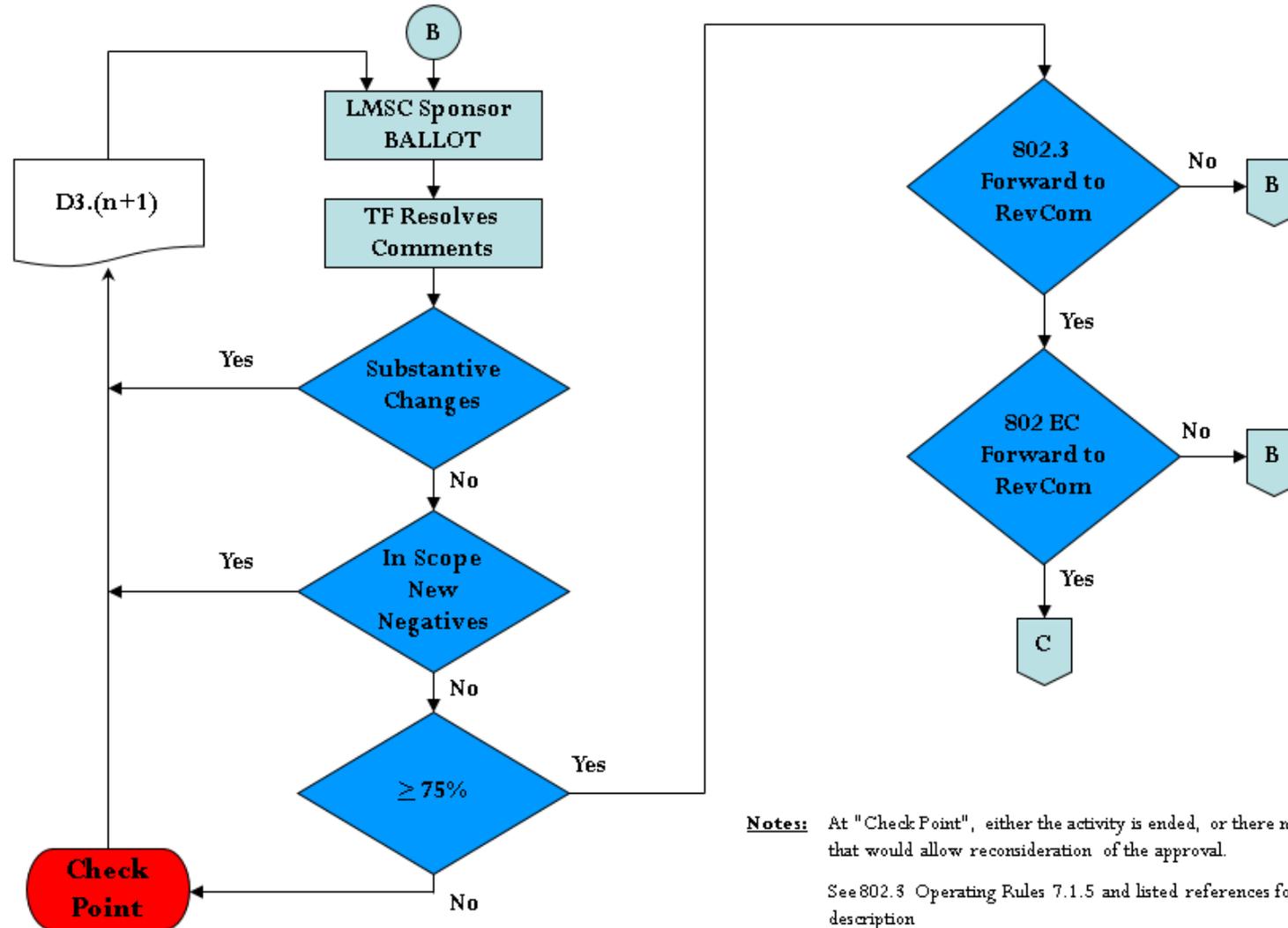


# Overview of IEEE 802.3 Standards Process (3/5) – Working Group Ballot Phase



**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

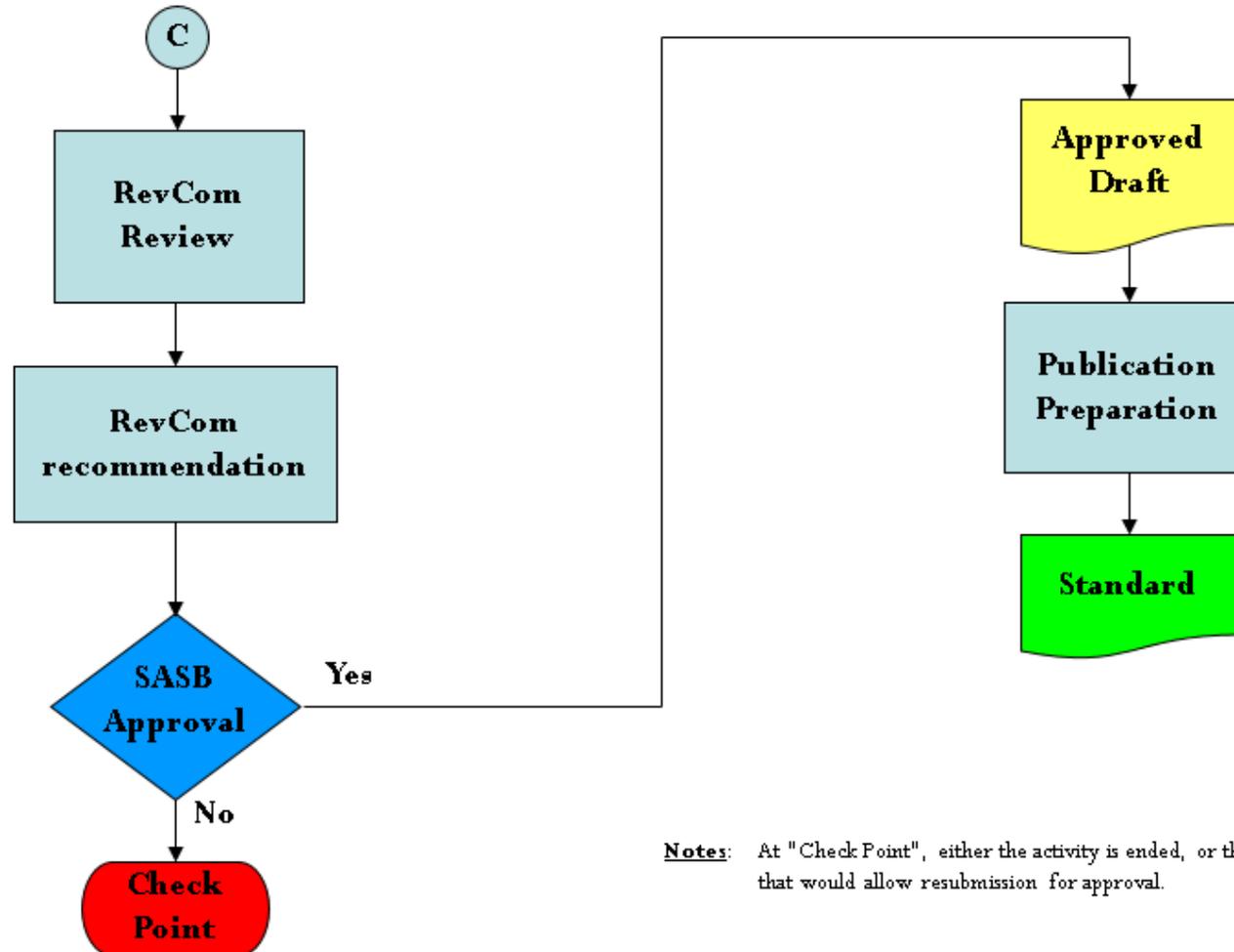
# Overview of IEEE 802.3 Standards Process (4/5)- Sponsor Ballot Phase



**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*

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)

# ADOPTED TIMELINE



— Plenary meeting

— Interim meeting

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