

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 TO ADDRESS COMMENTS TO DRAFT 1.2
JUNE 30, 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 collective July-Aug Series Minutes (June 30-August 12)
 - https://www.ieee802.org/3/ck/public/20_07/minutes_3ck_0720_final_unapproved.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
- Chief Editor's Report

AGENDA

- Big Ticket Comment Resolution: 120F/163/163A: RX/TX Test Fixture
 - Keep TP0a or not
 - benartsi_3ck_01_1020
 - ghiasi_3ck_01_1020
 - brown_3ck_adhoc_01a_091620 (slide 6-9)
 - If we keep TP0a: TP0a IL and informative/normative nature
 - wu_3ck_04_1020
 - Match RX Test Fixture to TX Test Fixture
 - brown_3ck_adhoc_01a_091620 (slide 12)
 - AC Common Mode at TP0v
 - wu_3ck_01_1020
 - Big Ticket Comment Resolution: Eye Width (EW) and Eye Symmetric Mask Width (ESMW)
 - Leave as is, Remove, or something else?
 - dawe_3ck_01_1020
 - healey_3ck_01_1020
 - Big Ticket Comment Resolution: 162/163/120F/120G: Even-Odd Jitter
 - How should we address this gap in the specification?
 - calvin_3ck_01_1020
 - ran_3ck_01_1020
 - Big Ticket Comment Resolution: ERL
 - Adding ERL of Test Fixture and MTF
 - kocsis_3ck_02_1020
 - dERL & ERL Values
 - dERL proposals are in comments
 - wu_3ck_02_1020
 - wu_3ck_03_1020
 - N and Tfx parameters
 - kocsis_3ck_01_1020
 - Big Ticket Comment Resolution: Common Mode Noise, RLCC, RLCD
 - Proposals in comments
- 

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); 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 1.3 review has 280 total comments from 19 reviewers
 - <http://www.ieee802.org/3/ck/comments/index.html>
- Heavy use of the bucket
- Remember the scope remains wide open for Draft 1.4
- Headed towards technical completeness

DI.2 TELEPHONIC INTERIM SERIES & MARCH PLENARY

- Tuesday, 10/13 – Big Ticket Items
- Wednesday, 10/14 – Big Ticket Items
- Tuesday, 10/20 –
- Wednesday, 10/21 –
- Tuesday, 10/27 –
- Wednesday, 10/28 –
- Tuesday, 11/10 –
- Wednesday, 11/11 –
- Tuesday, 11/18 –

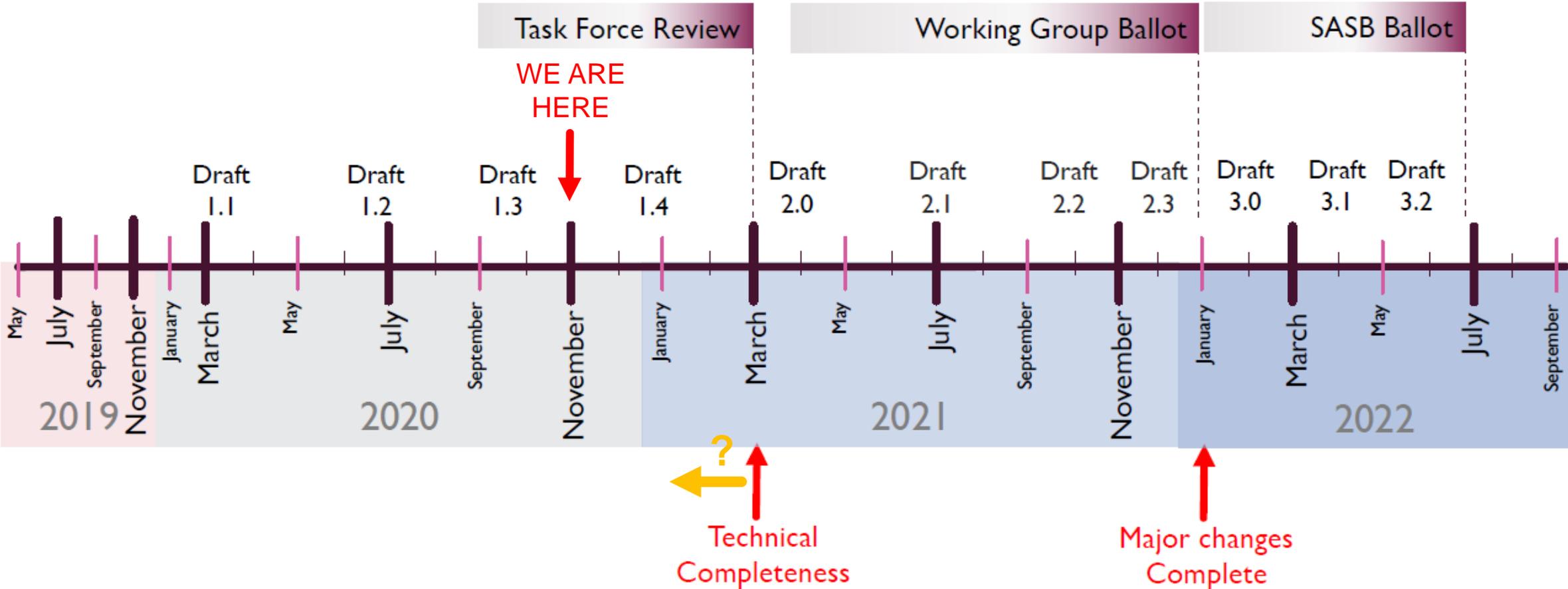
7-10am PDT

■ Nov. Plenary

- Attend 6 out of 8 days between 11/9-11/19 (Mondays-Thursdays)
- See: <http://www.ieee802.org/3/calendar.html>
- Name will change of calls during plenary week – nothing else

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
- 10 min presentations (including 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
- Late comments will be held until 10/26
- Deadline to remove comments from bucket I: **Sunday 10/25 AOE**

OPERATIONS – BIG TICKET ITEMS

- Presentations
- Discussion and straw poll(s)
- Pivot comment
- 120F/163/163A: RX/TX Test Fixture ~1.5hr
 - Keep TP0a or not
 - If we keep TP0a: TP0a IL and informative/normative nature
 - Match RX Test Fixture to TX Test Fixture
 - AC Common Mode at TP0v
- Eye Width (EW) and Eye Symmetric Mask Width (ESMW) ~40min
 - Leave as is, Remove, or something else?
- 162/163/120F/120G: Even-Odd Jitter ~40min
 - How should we address this gap in the specification?
- ERL ~1.5hr
 - Adding ERL of Test Fixture and MTF
 - dERL & ERL Values
 - N and Tfx parameters
- Common Mode Noise, RLCC, RLCD ~40min
 - Proposals in comments

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

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)

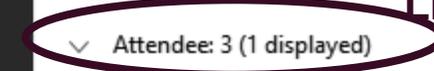
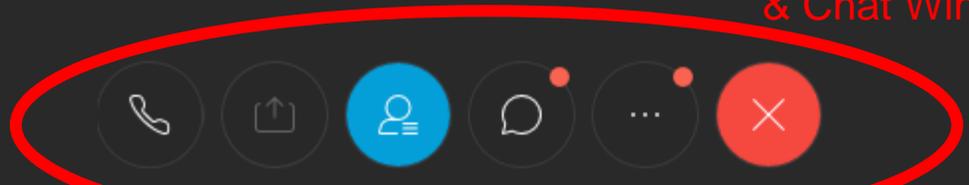
RM RICHARD MELLITZ (Guest)

Attendee: 3 (1 displayed)

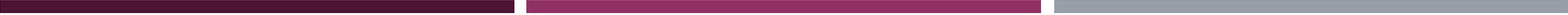
View Attendee List

Raise Hand

Participant List & Chat Window



Polling Tab



THANK YOU!



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

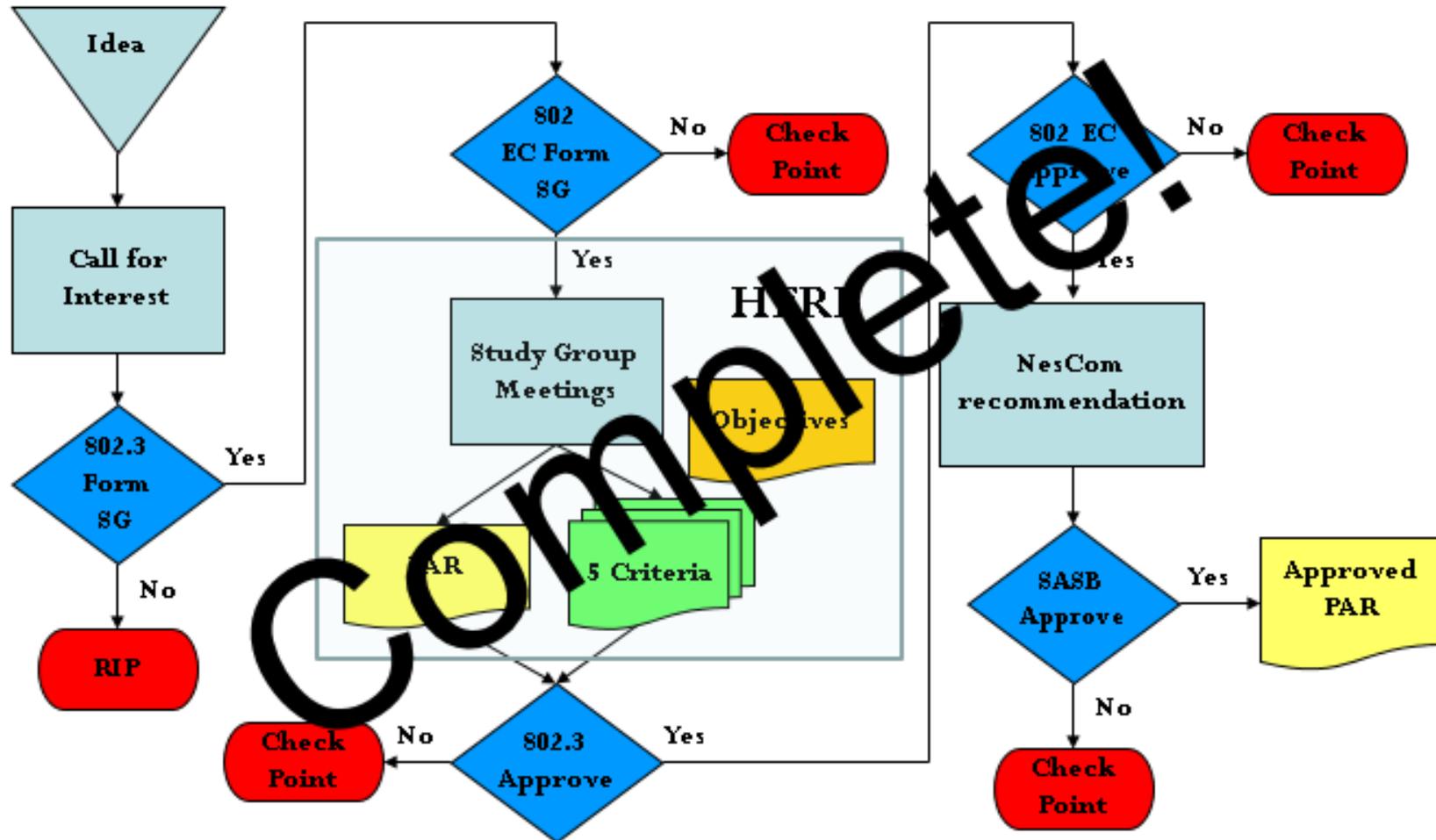
IEEE 802.3
Task Force

Approval Process

Standards Process

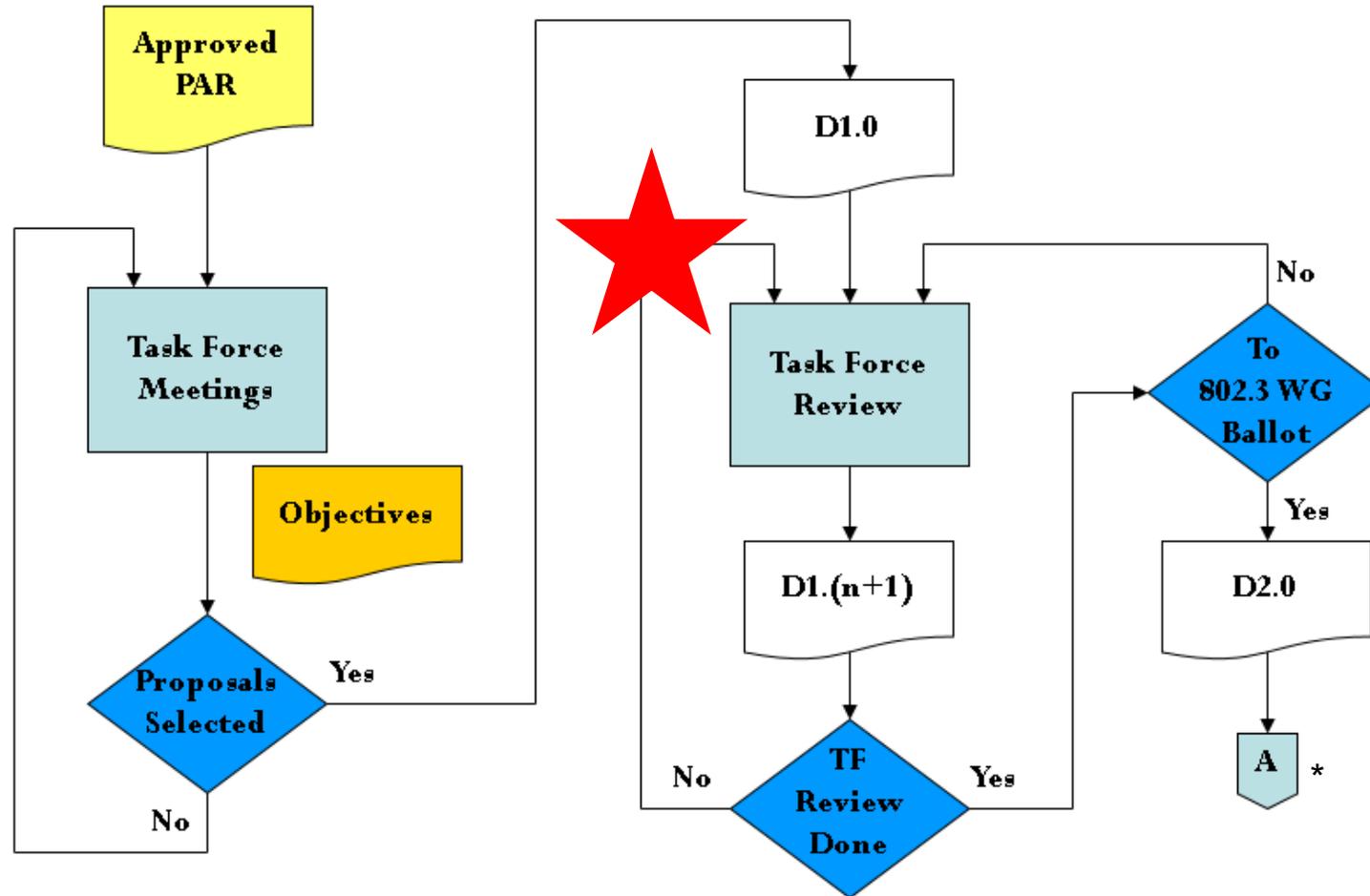
Technical Activities

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

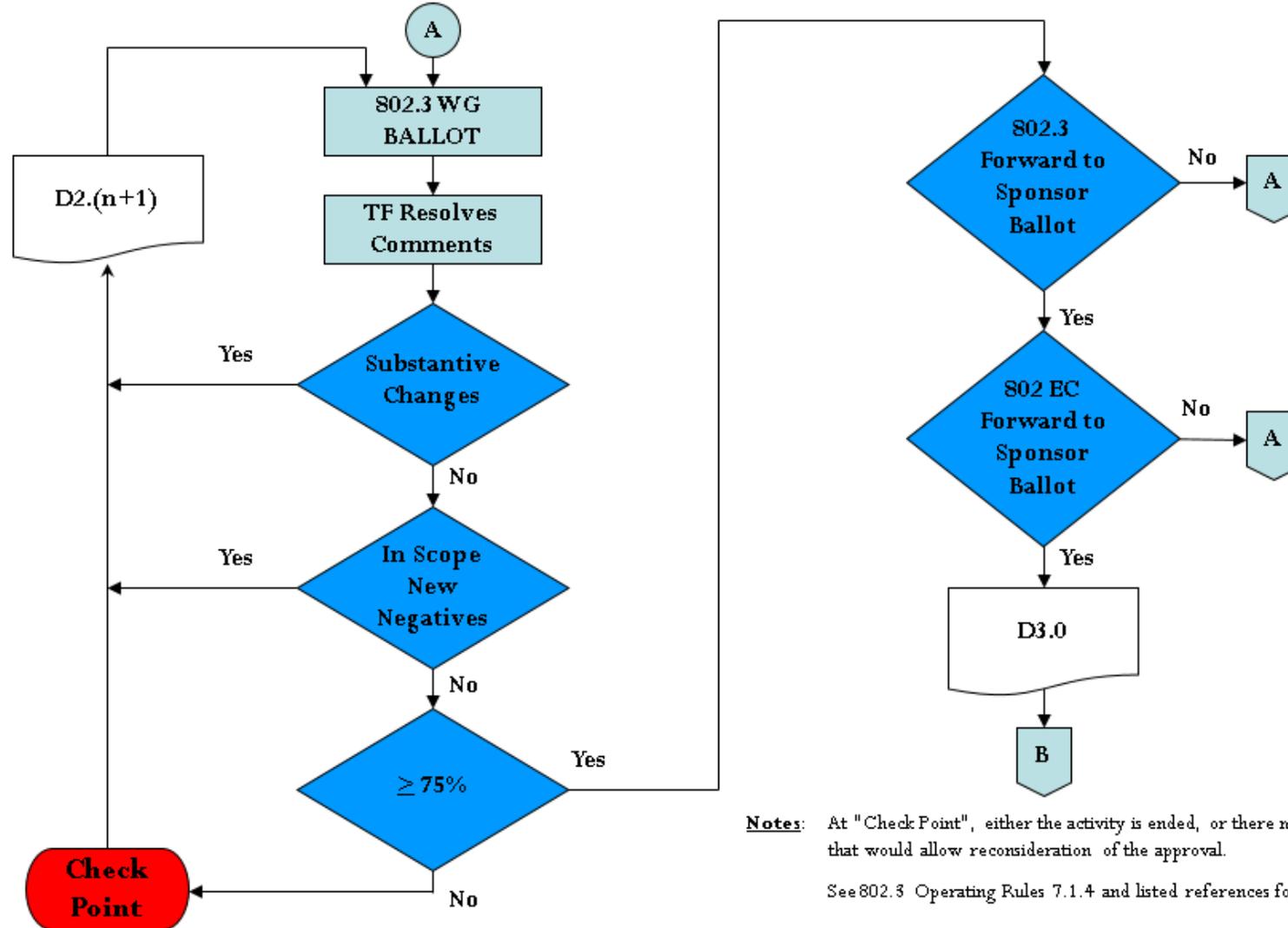


Note: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

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

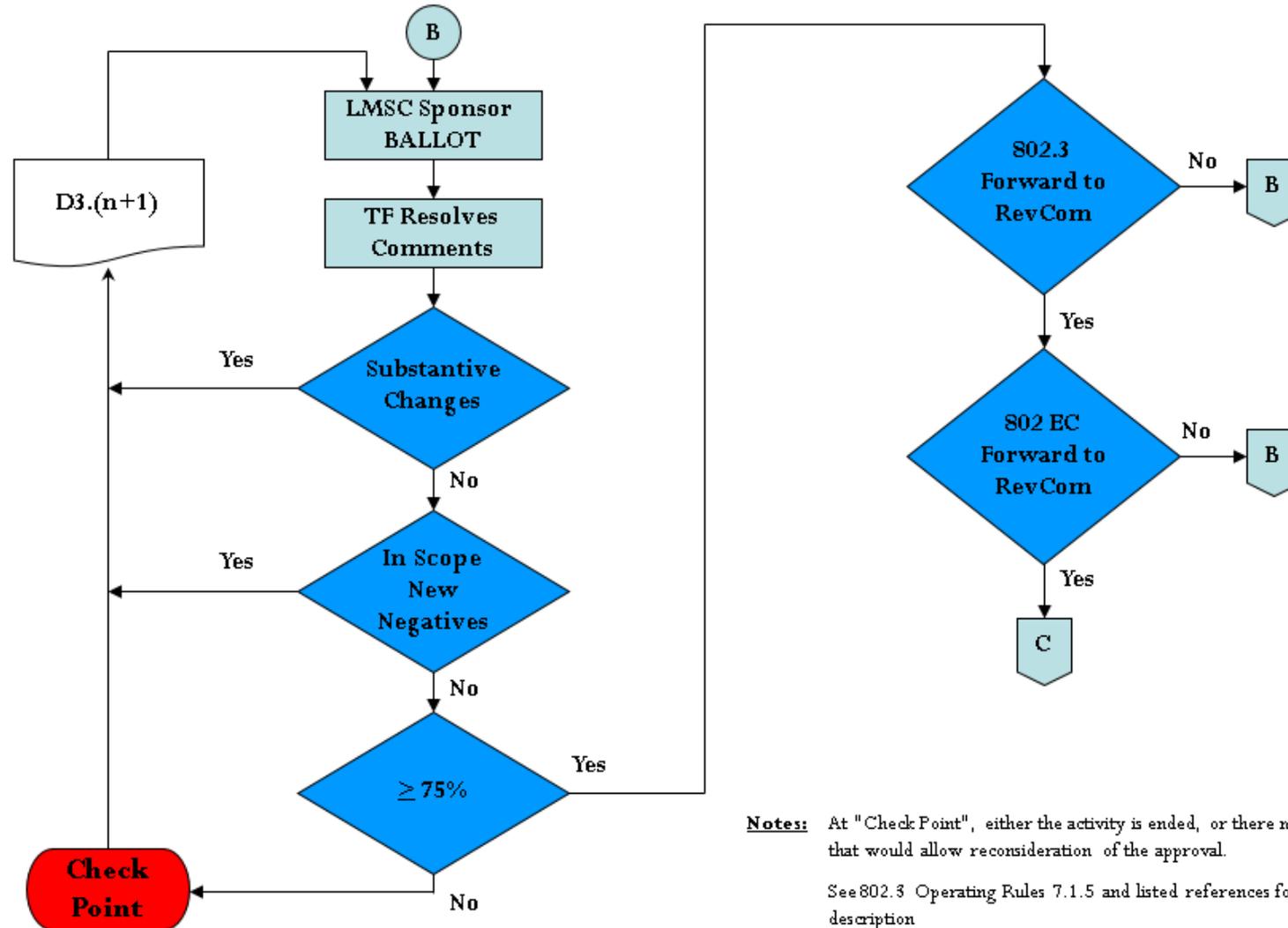


Overview of IEEE 802.3 Standards Process (3/5) – Working Group Ballot Phase



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

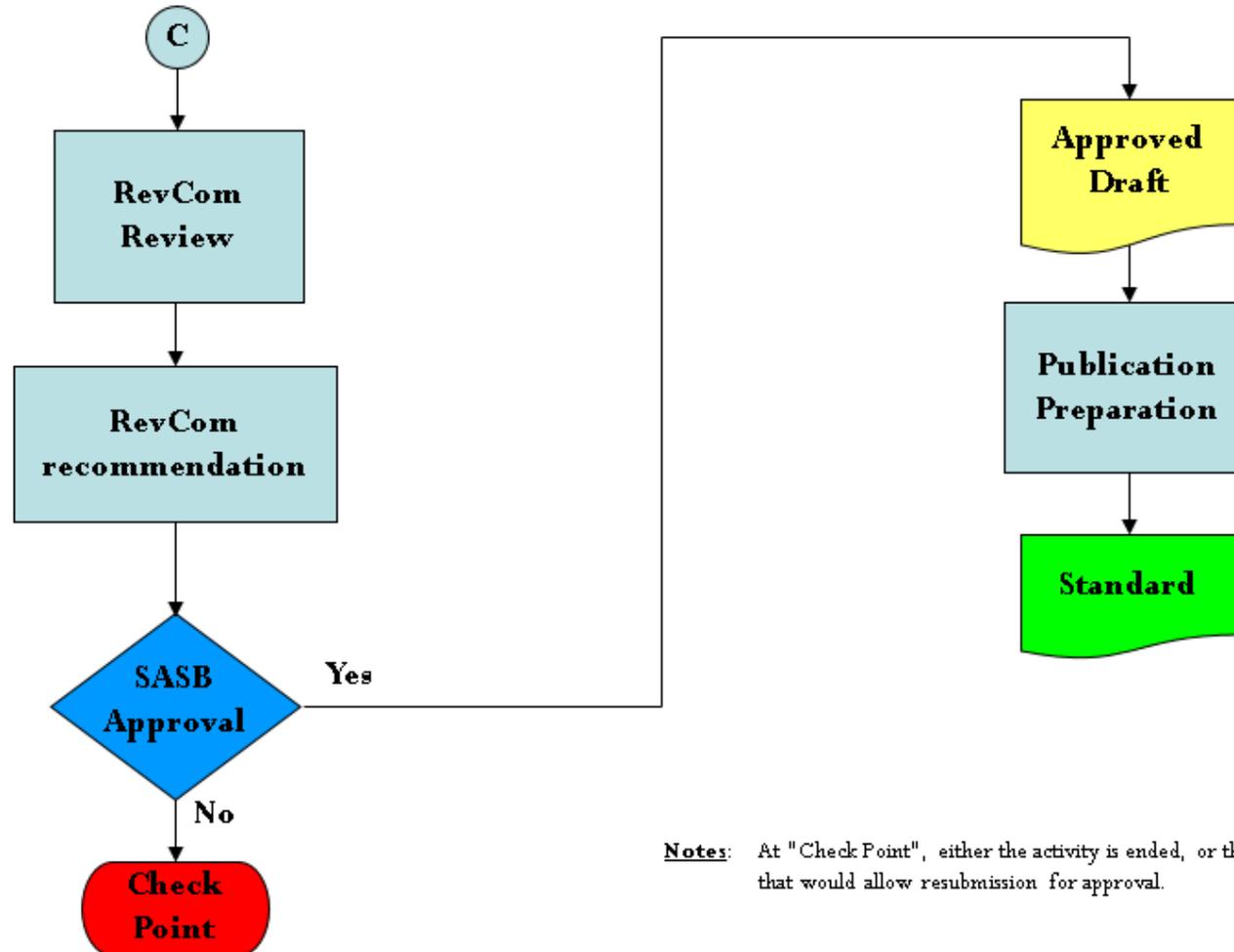
Overview of IEEE 802.3 Standards Process (4/5)- Sponsor Ballot Phase



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
- CSD: http://www.ieee802.org/3/ck/P802_3ck_CSD_06apr18.pdf
- Objectives: 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/
- **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