AGENDA AND FRONT MATERIAL

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

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TELEPHONIC INTERIM SERIES TO ADDRESS COMMENTS TO DRAFT 1.2
JULY 29, 2020

MEETING

- Attendance
  - Attendee names and affiliations for the minutes and as a backup record for this Telephonic meeting will be taken from the WebEx participants list.
  - Please email me if your affiliation has recently changed or if you are new to the group.

- 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 FOR TWO-DAY SESSION (JULY 28 & 29) APPROVED YESTERDAY

- Approval of the Agenda
- 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 Reminder
- Comment Resolution

TP4/TP4a

Topic	Comments
TP4/TP4a RR channel	211, 212 ghiasi_3ck_02_0720
TP4/TP4a NE/FE definition	228*, 130
TP4a module modes	178
TP4 RR FE gdc	202*, 121, 122, ghiasi_3ck_02_0720
TP4 RR NE gdc	201*, 240, 119, 120
TP4 RR bmin	195, ghiasi_3ck_02_0720
TP4 FE pre-cursor ISI definition	131
TP4a FE EH	115*, 196, hidaka_3ck_01_0720, ghiasi_3ck_02_0720
TP4a FE VEC	116, 197, ghiasi_3ck_02_0720
TP4a adaptation	215
<#> (comment # with cyan background) indicates close using bucket as a result of other comment	

Miscellaneous

Topic	Comments
channel IL	172
EO method criteria	123, 246
EO method scope noise	243
EO scope noise and eta0	242
RR bmin	241
RR Rd	39
TP1 RR gdc/gdc2	117*, 118, 225
TP1 EH	200*, 114
<#> (comment # with cyan background) indicates close using bucket as a result of other comment	

Topic	Comments
TP1a/TP4 TX AC CM noise	213, 214
TP4a jitter	179
TP4 output EQ control	238
TP4 channel IL	239

- Annex 93A & ERL
  - ERL Measurement Method (TDR) - #43
  - Insertion loss model - #132
- Clause 162
  - Channel variables - #219, 127, 128,
  - TX RLCC - #139
  - Host board IL - #145
- Annex 162B
  - FOM_ILD - #83 value, 84 frequency range, 180
  - ICN - #92, 93, 94, 95, 96
  - RL / CMIL - #180* ,86 ,87 , 88 , 89
- Annex 120F
  - Editorial: return loss naming - #41
  - Remove CM reference impedance - #169
  - RR CTLE parameters - #133
  - RR DFE parameters - b_max [#187], b_min [212]
  - RR noise eta_0 - #188, 236
- CC Clause 162 & Annex 120F
  - Test fixture return loss - #154
  - RX test fixture insertion loss - #179, 157
- Misc.
  - CA COM PN skew (Cl 162) - #204
  - CA COM Reference DFE - Span [#248], RSS limit [240, 249, 250]
  - ERL Wording - #110*, 111, 112, 113 {end of agenda}
  - MDI connectors (Cl 1/162) - #232*, 233 ,234 ,251 ,252 , 253 , 254TP4/TP4a
- Logic & Architecture
  - Clause 162 - #60, 66
  - Clause 83 - #216
  - Clause 91 - #4
  - Clause 152 - #3

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…

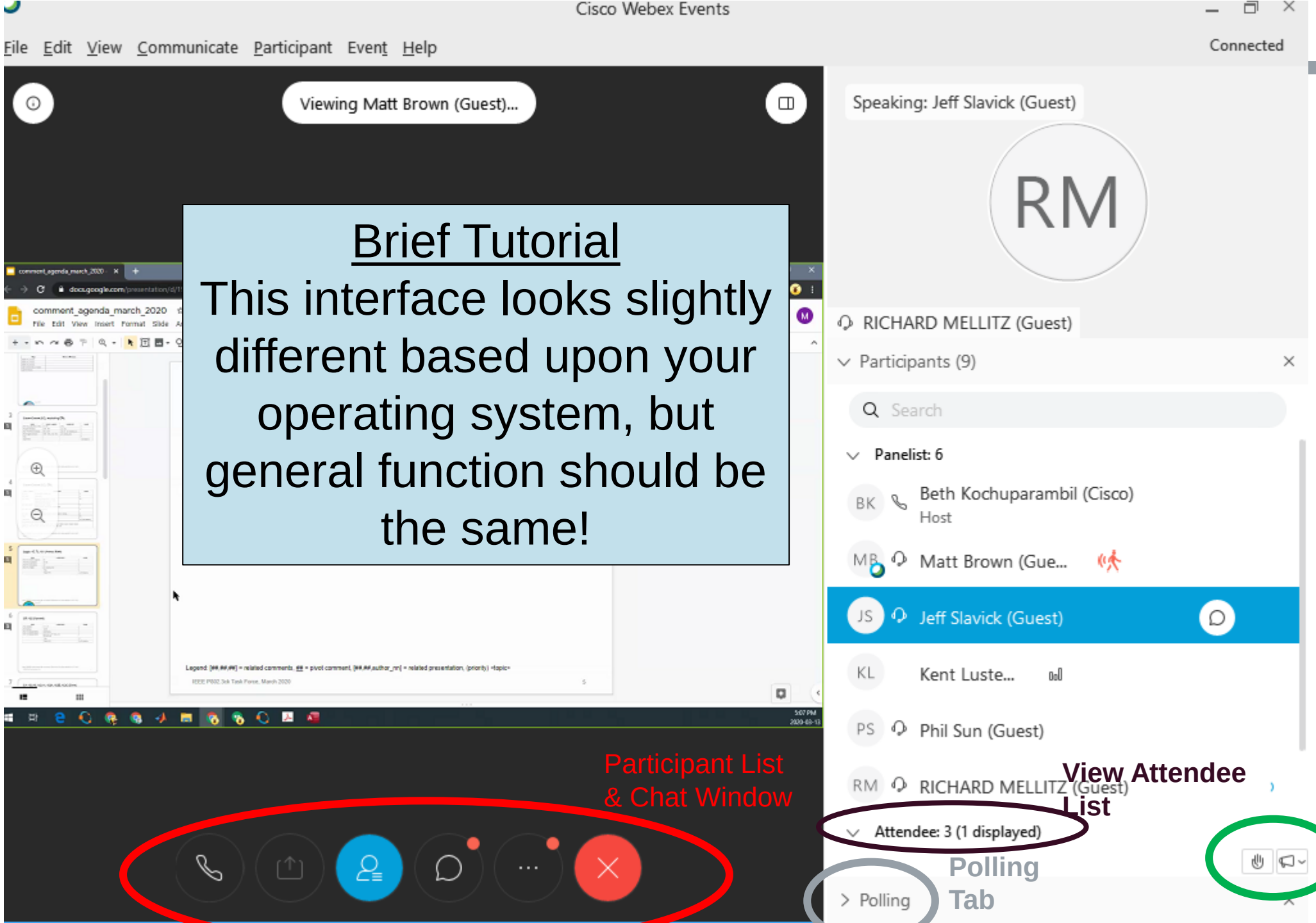
Ways to inform IEEE

- **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

GROUND RULES & OPERATIONS

- Recording is prohibited – Is anyone here press?
- **RESPECT one another**… give it, get it
- 10 min presentations (including Q&A)
- Raise your hand or send a chat to be added to the queue
- Trust in Editorial License


Cisco Webex Events
File Edit View Communicate Participant Event Help
Connected
Viewing Matt Brown (Guest)...
Speaking: Jeff Slavick (Guest)
RM
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
Brief Tutorial
This interface looks slightly different based upon your operating system, but general function should be the same!
Participant List & Chat Window
View Attendee List
Raise Hand
Polling Tab

THANK YOU!

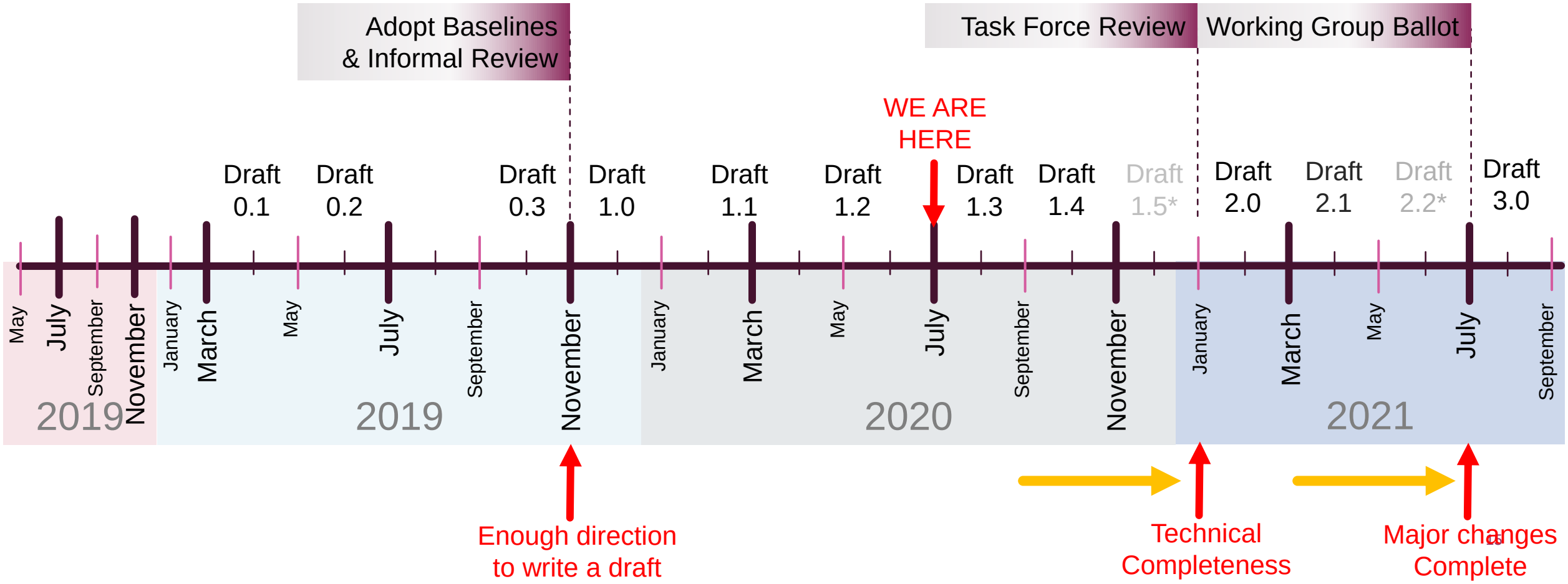
D1.2 TELEPHONIC INTERIM SERIES & MARCH PLENARY

- Tuesday, 6/30 – Misc. Topics
- Monday, 7/6 – C2C/KR
- Wednesday, 7/8* – C2M/C2C/KR
- Wednesday, 7/15* – C2M/C2C/KR
- Tuesday, 7/21 – CR/ERL
- Wednesday, 7/22* – CR
- Tuesday, 7/28 – C2M
- Wednesday, 7/29* – C2M
- Wednesday, 8/12* – Misc comments/Timeline/Closing Business
  - July Plenary attendance for 802.3 voting rights
    - Attend 6 out of 8 days between 7/13-7/23 (Mondays-Thursdays)
    - See: http://www.ieee802.org/3/calendar.html
    - Name will change of calls during plenary week – nothing else

7-10am PDT

*Bridge will open 30min early for "public discussions" on Wed. Telephonic Interims

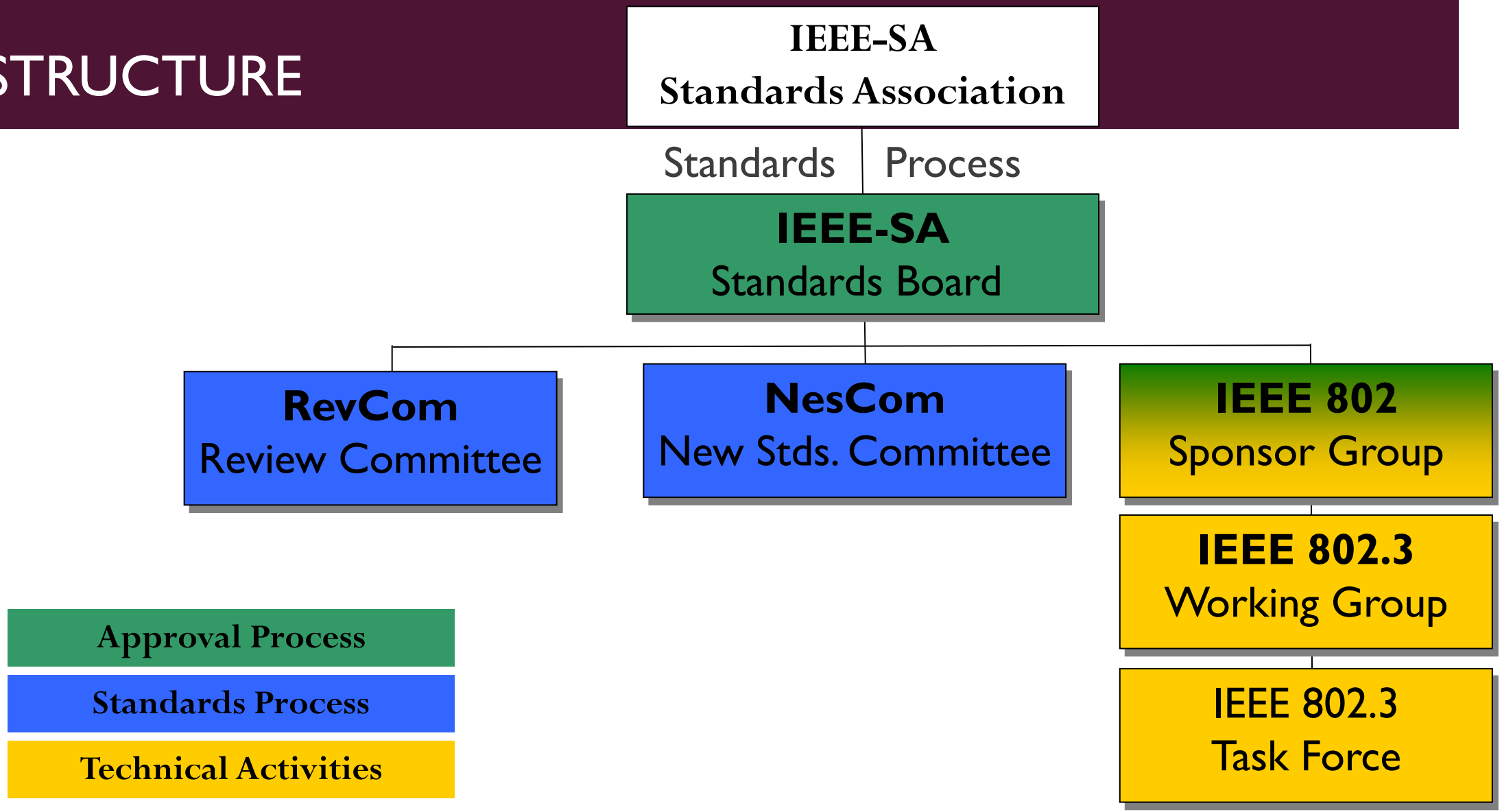
TASK FORCE STATUS – LIKELY PUSHING WG BALLOT TO 2021



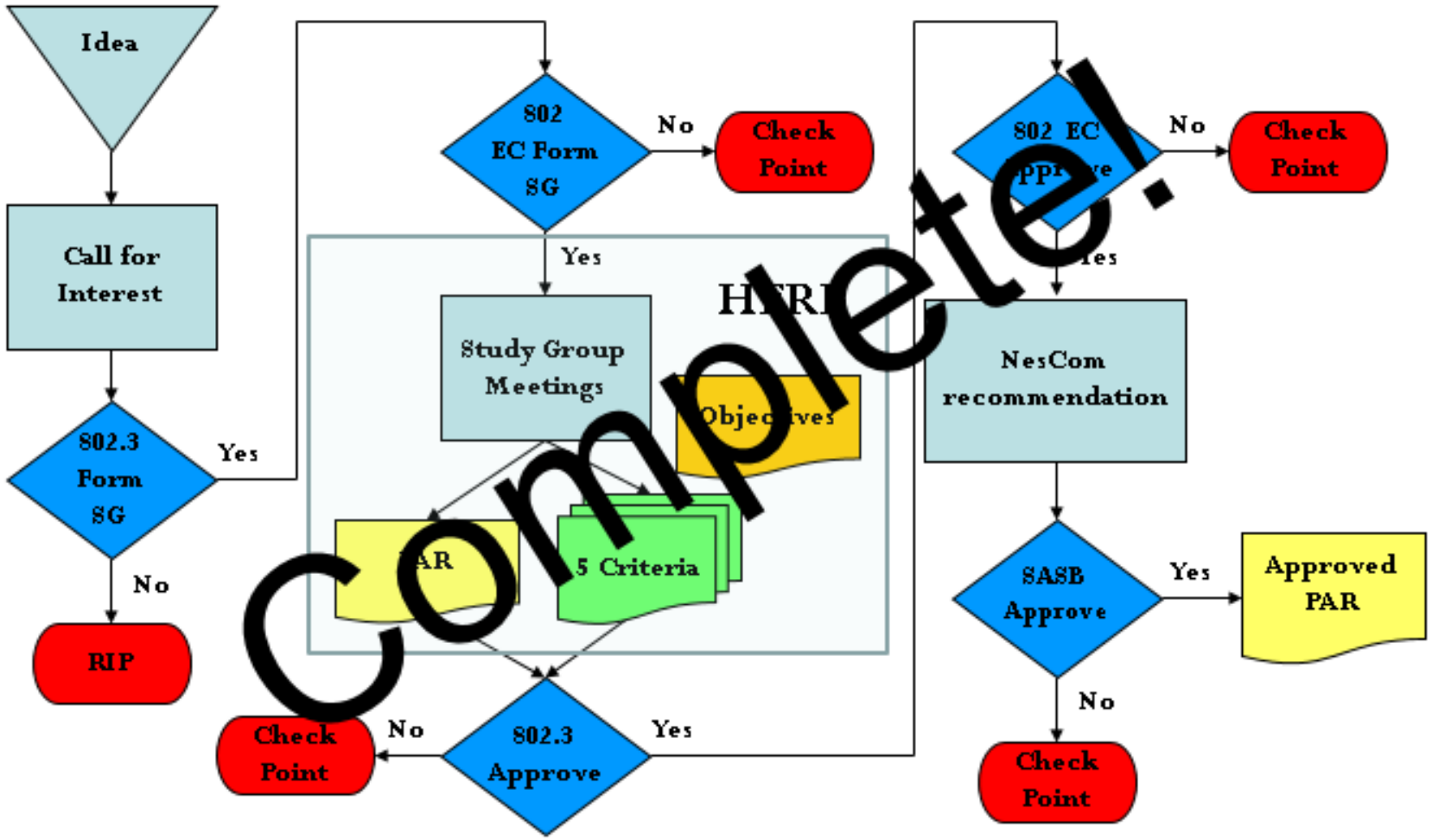
COMMON COMMENT RESOLUTION PROCESS (.3CK,.3CU,.3CT)

- 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

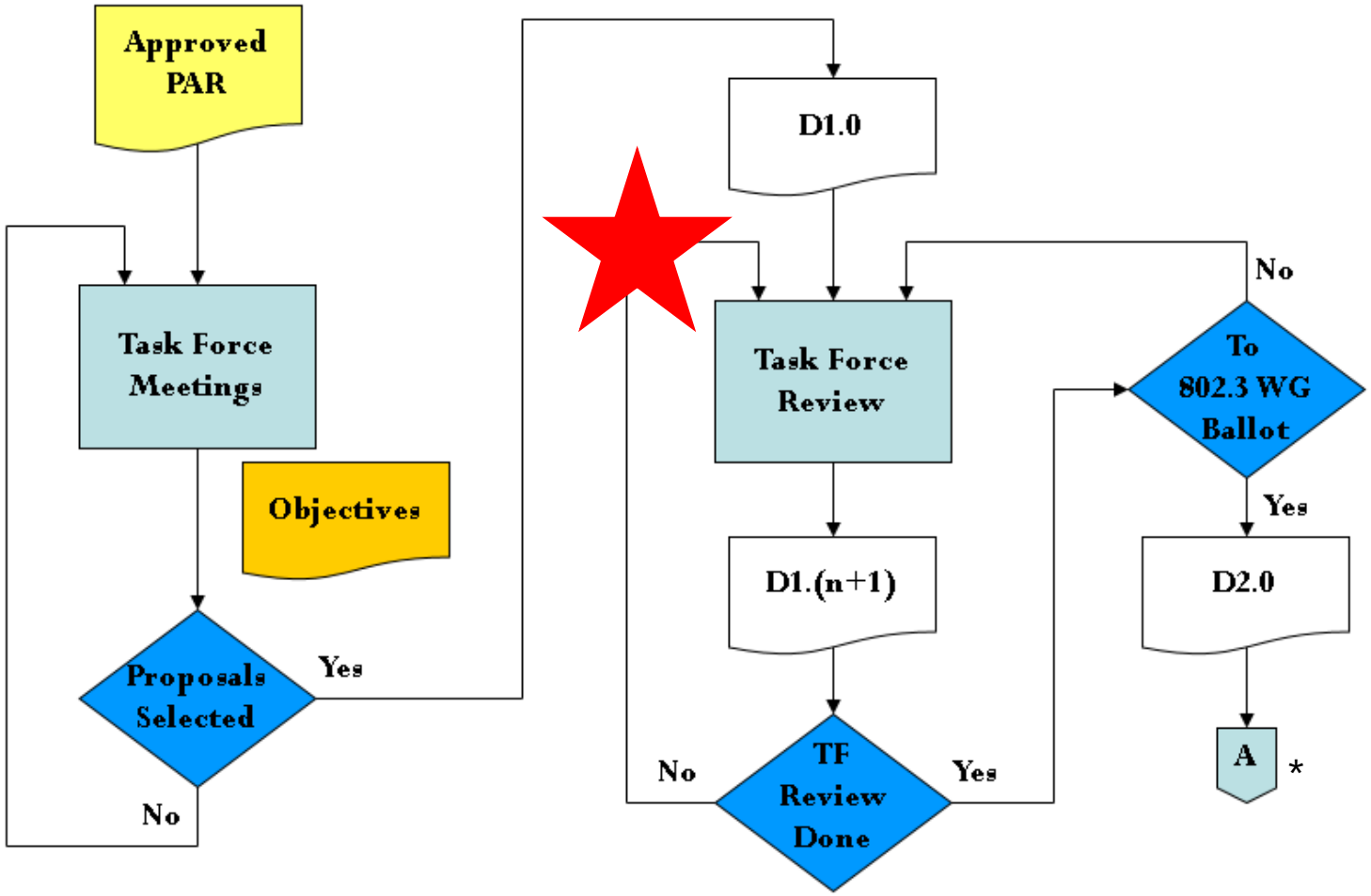


Overview of IEEE 802.3 Standards Process (1/5)- Study Group Phase

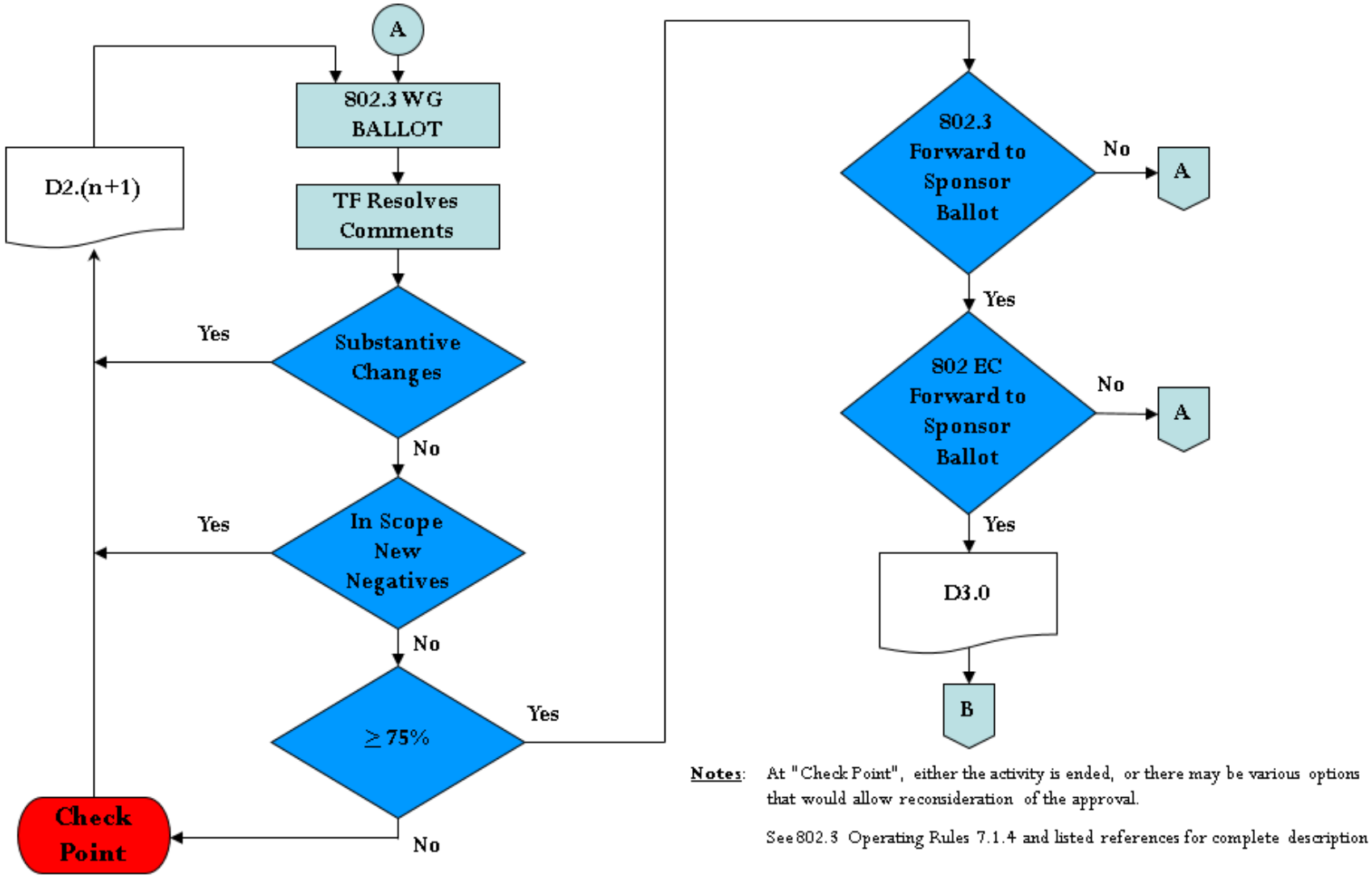


Note: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

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



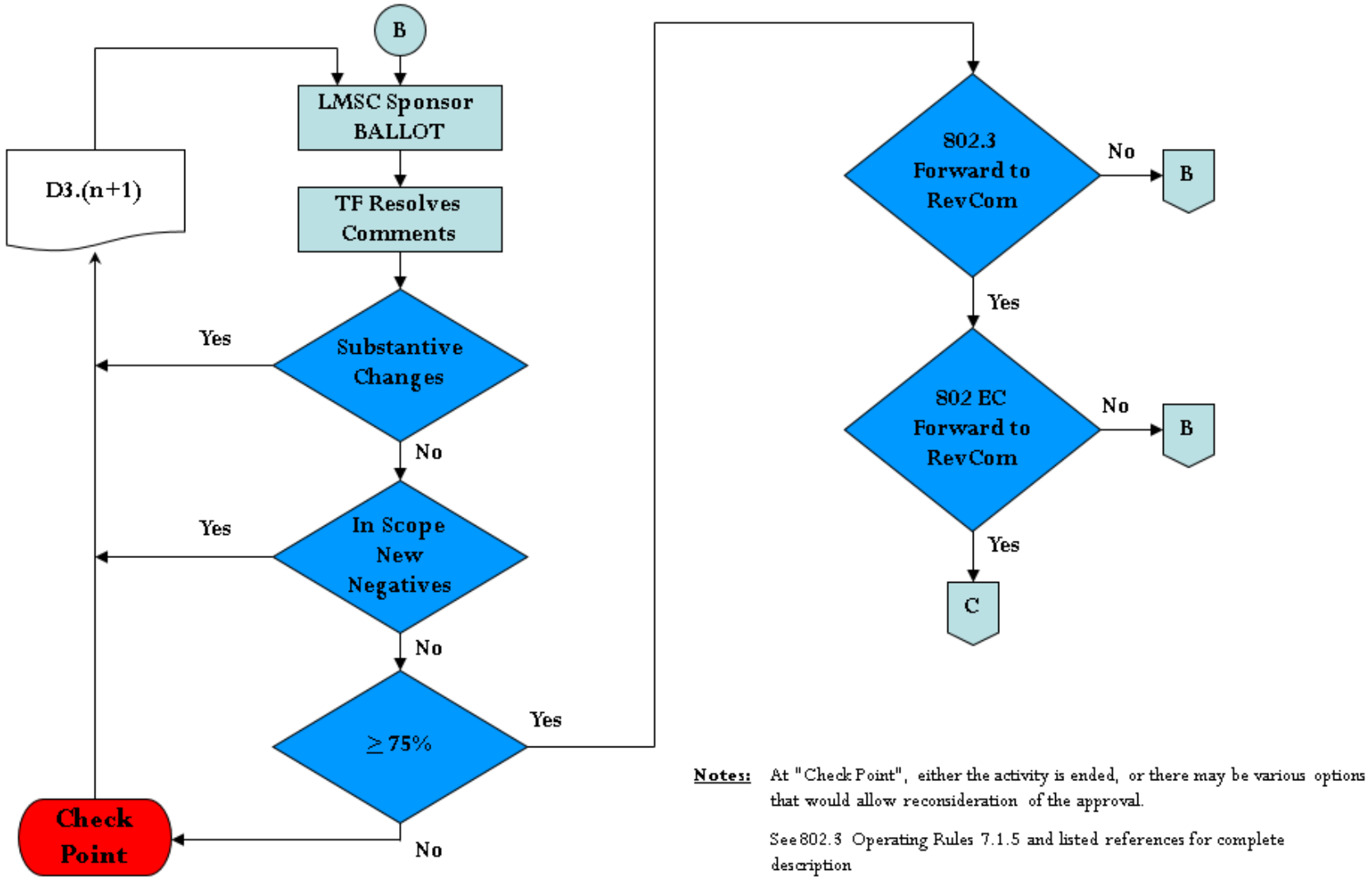
Overview of IEEE 802.3 Standards Process (3/5) – Working Group Ballot Phase



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

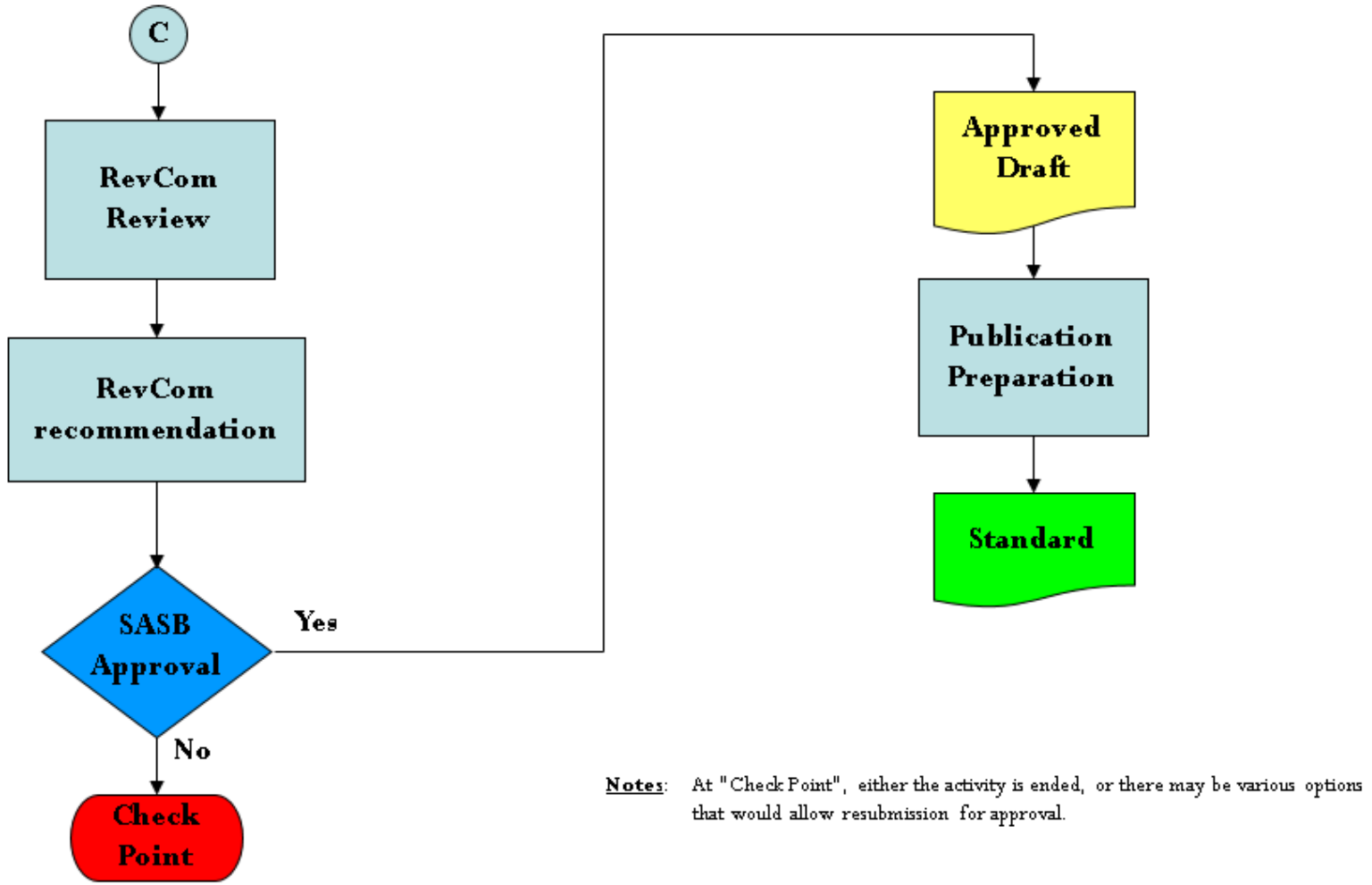
Overview of IEEE 802.3 Standards Process (4/5)- Sponsor Ballot Phase



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