

# Agenda and General Information

IEEE 802.3

Bidirectional 10 Gb/s, 25 Gb/s, and 50 Gb/s  
Optical Access PHYs

Frank Effenberger (proposed)

Huawei Technologies

Spokane, 11 Sep 2018

# Agenda

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- *Appointment of Recording Secretary: Mr. Duane Remein has volunteered*
- *Confirmation of Chair*: Dr. Frank Effenberger is proposed chair
- Welcome and Introductions
- Approve Agenda
- Goals for this meeting
- Big Ticket Items
- Reflector and Web
- Ground Rules
- IEEE
  - Structure, Bylaws and Rules
  - Call for Patents
  - IEEE Standards Process
- Liaisons and Communications
- Presentations
- Formal creation of PAR in MyProject and Closing Business
- Future Meetings

# Motion #0

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- Move to confirm the appointment of Frank Effenberger as study group chair
- M: ? S: ?
- $\geq 50\%$
- Y: , N: , A:

# Motion #1

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- Move to approve the Agenda
- M: ? S: ?
- $\geq 50\%$
- Y: , N: , A:

# Study Group Decorum



- An officer is permitted to make an audio or slideshow recording of this meeting exclusively for the purpose of generating minutes which shall not be copied or distributed. **IEEE 802.3 meetings do not use this option.** Recording of the proceedings by any other participant or observer, in part or in whole, via any means, is prohibited. (December 2017 IEEE-SA Standards Board Ops Manual 5.3.3.2)
- Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (December 2017 IEEE-SA Standards Board Ops Manual 5.3.3.3)
- Cell phone ringers off
- Wear your badges at all times in meeting areas
  - Help the hotel security staff improve the general security of the meeting rooms
  - **PCs HAVE BEEN STOLEN** at previous meetings
  - **DO NOT** assume that meeting areas are secure
- Please observe proper decorum in meetings

# Goals for the meeting

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- Prepare PAR and CSD
- Review contributions
- Lay the ground work for the next meeting

# Big ticket items

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- PAR
  - CSD
- 
- Proposed goal: Be ready to ask for PAR approval at November plenary meeting

# Reflector and Web

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- To subscribe to the *Bidirectional 10 Gb/s, 25 Gb/s, and 50 Gb/s Optical Access PHYs* 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-NGBIDI@listserv.ieee.org](mailto:STDS-802-3-NGBIDI@listserv.ieee.org) <yourfirstname> <yourlastname>  
*end*

- Send *Bidirectional 10 Gb/s and 25 Gb/s Optical Access PHYs* reflector messages to:

[STDS-802-3-NGBIDI@listserv.ieee.org](mailto:STDS-802-3-NGBIDI@listserv.ieee.org)

- Study Group web page URL:

<http://www.ieee802.org/3/NGBIDI/index.html>



# Study Group Private Area

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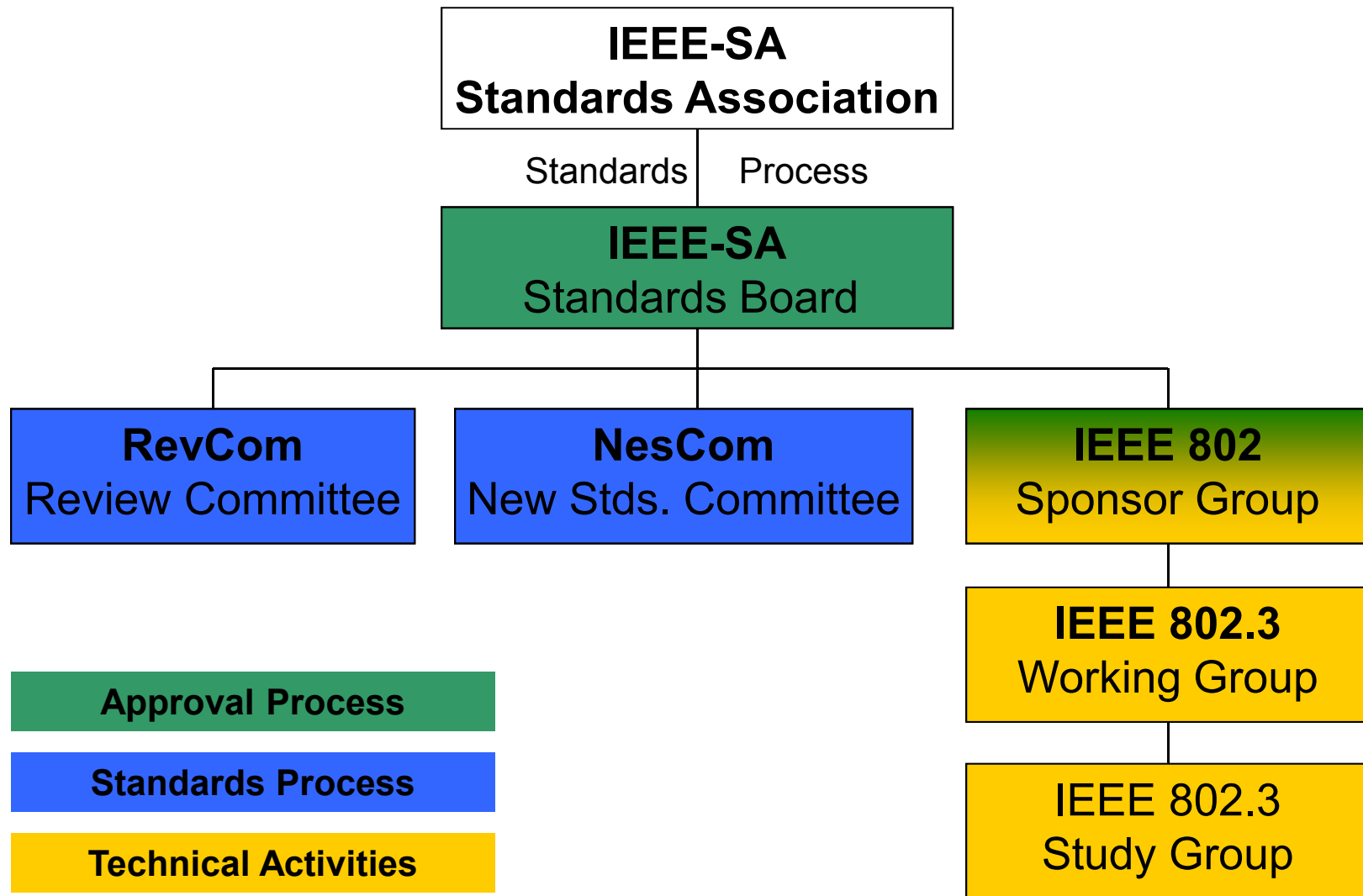
- URL: No private area is needed at this point
  - Username:
  - Password:
- Write it down...
- Note - The content is posted for your review only, and neither the content nor access information should be copied or redistributed to others in violation of document copyrights.

# Ground Rules

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- Based upon IEEE 802.3 Rules
  - Foundation based upon Robert's Rules of Order
  - Anyone in the room may speak
  - Anyone in the room may vote
- **RESPECT**... give it, get it
- NO product pitches
- NO corporate pitches
- NO prices!!!
  - This includes costs, ASPs, etc. no matter what the currency
- NO restrictive notices

# IEEE Structure



# Important Bylaws and Rules

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- **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**  
<http://standards.ieee.org/about/sasb/audcom/pnp/LMSC.pdf>
- **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)

# **Guidelines for IEEE-SA Meetings**

- **All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.**
- **Don't discuss the interpretation, validity, or essentiality of patents/patent claims.**
- **Don't discuss specific license rates, terms, or conditions.**
  - Relative costs, including licensing costs of essential patent claims, of different technical approaches may be discussed in standards development meetings.
    - Technical considerations remain primary focus
- **Don't discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.**
- **Don't discuss the status or substance of ongoing or threatened litigation.**
- **Don't be silent if inappropriate topics are discussed... do formally object.**

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If you have questions, contact the IEEE-SA Standards Board Patent Committee Administrator at [patcom@ieee.org](mailto:patcom@ieee.org) or visit <http://standards.ieee.org/about/sasb/patcom/index.html>

See *IEEE-SA Standards Board Operations Manual*, clause 5.3.10 and “Promoting Competition and Innovation: What You Need to Know about the IEEE Standards Association’s Antitrust and Competition Policy” for more details.

This slide set is available  
at <https://development.standards.ieee.org/myproject/Public/mytools/mob/preparslides.ppt>

March 2015  
IEEE-SA Standards Board Patent Committee

# Participation in IEEE 802 Meetings

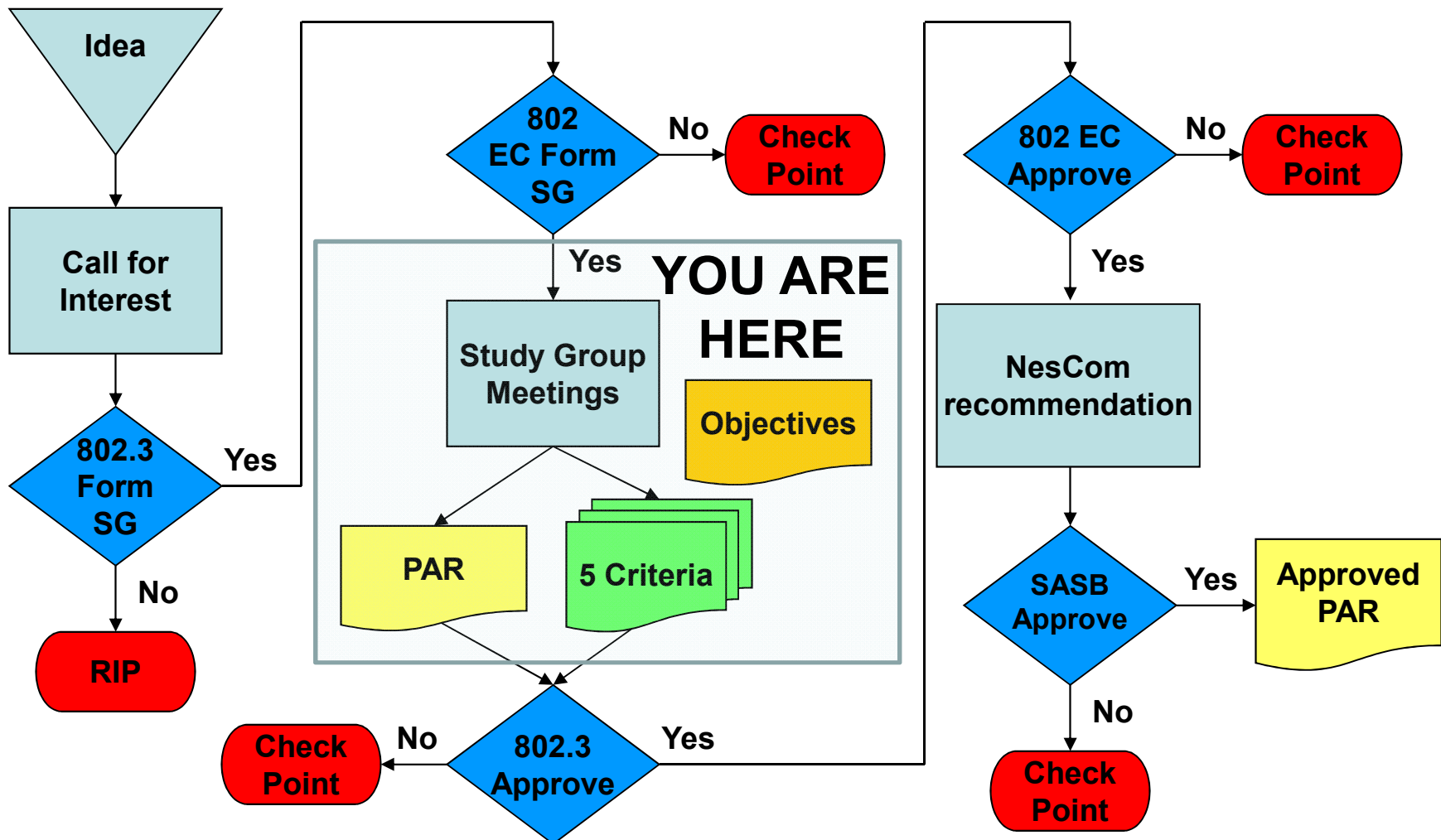
**Participation in any IEEE 802 meeting (Sponsor, Sponsor subgroup, Working Group, Working Group subgroup, etc.) is on an individual basis**

- **Participants in the IEEE standards development individual process shall act based on their qualifications and experience. ([https://standards.ieee.org/develop/policies/bylaws/sb\\_bylaws.pdf](https://standards.ieee.org/develop/policies/bylaws/sb_bylaws.pdf) section 5.2.1)**
- **IEEE 802 Working Group membership is by individual; “Working Group members shall participate in the consensus process in a manner consistent with their professional expert opinion as individuals, and not as organizational representatives”. (subclause 4.2.1 “Establishment”, of the IEEE 802 LMSC Working Group Policies and Procedures)**
- **Participants have an obligation to act and vote as an individual and not under the direction of any other individual or group. A Participant’s obligation to act and vote as an individual applies in all cases, regardless of any external commitments, agreements, contracts, or orders.**
- **Participants shall not direct the actions or votes of any other member of an IEEE 802 Working Group or retaliate against any other member for their actions or votes within IEEE 802 Working Group meetings, see [https://standards.ieee.org/develop/policies/bylaws/sb\\_bylaws.pdf](https://standards.ieee.org/develop/policies/bylaws/sb_bylaws.pdf) section 5.2.1.3 and the IEEE 802 LMSC Working Group Policies and Procedures, subclause 3.4.1 “Chair”, list item x.**

**By participating in IEEE 802 meetings, you accept these requirements. If you do not agree to these policies then you shall not participate.**

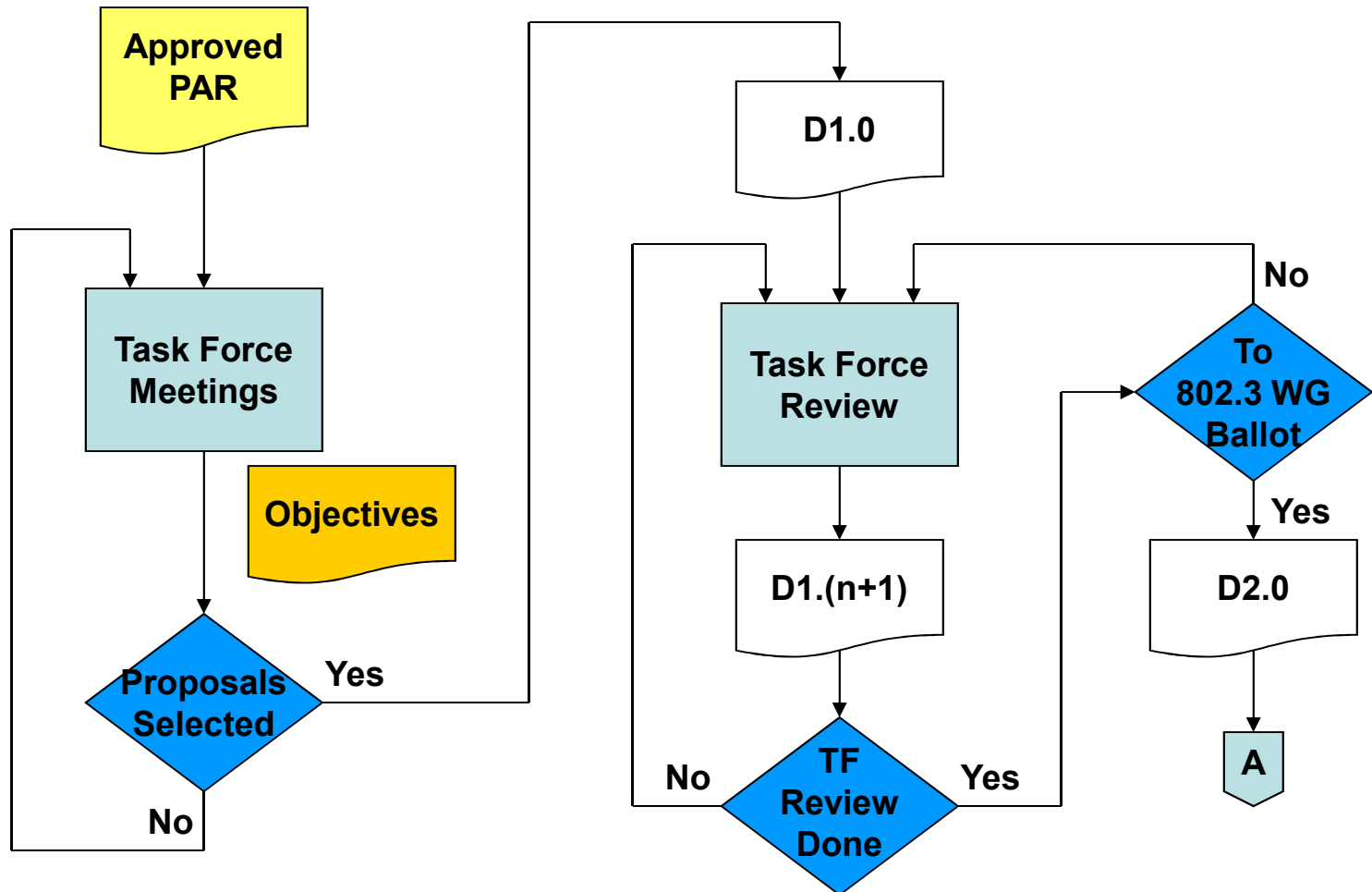
(Latest revision of IEEE 802 LMSC Working Group Policies and Procedures: <http://www.ieee802.org/devdocs.shtml>)

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



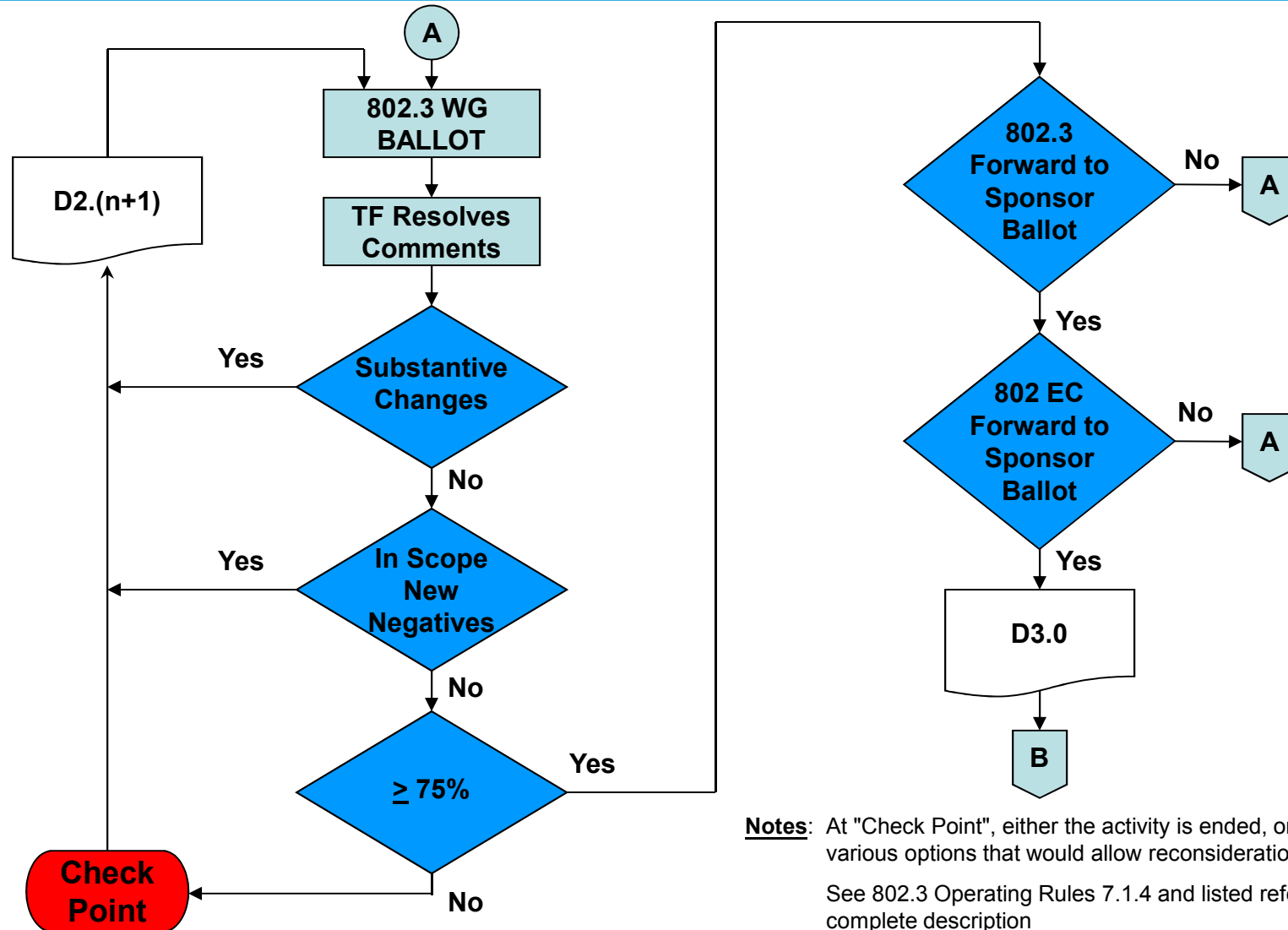
Note: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

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





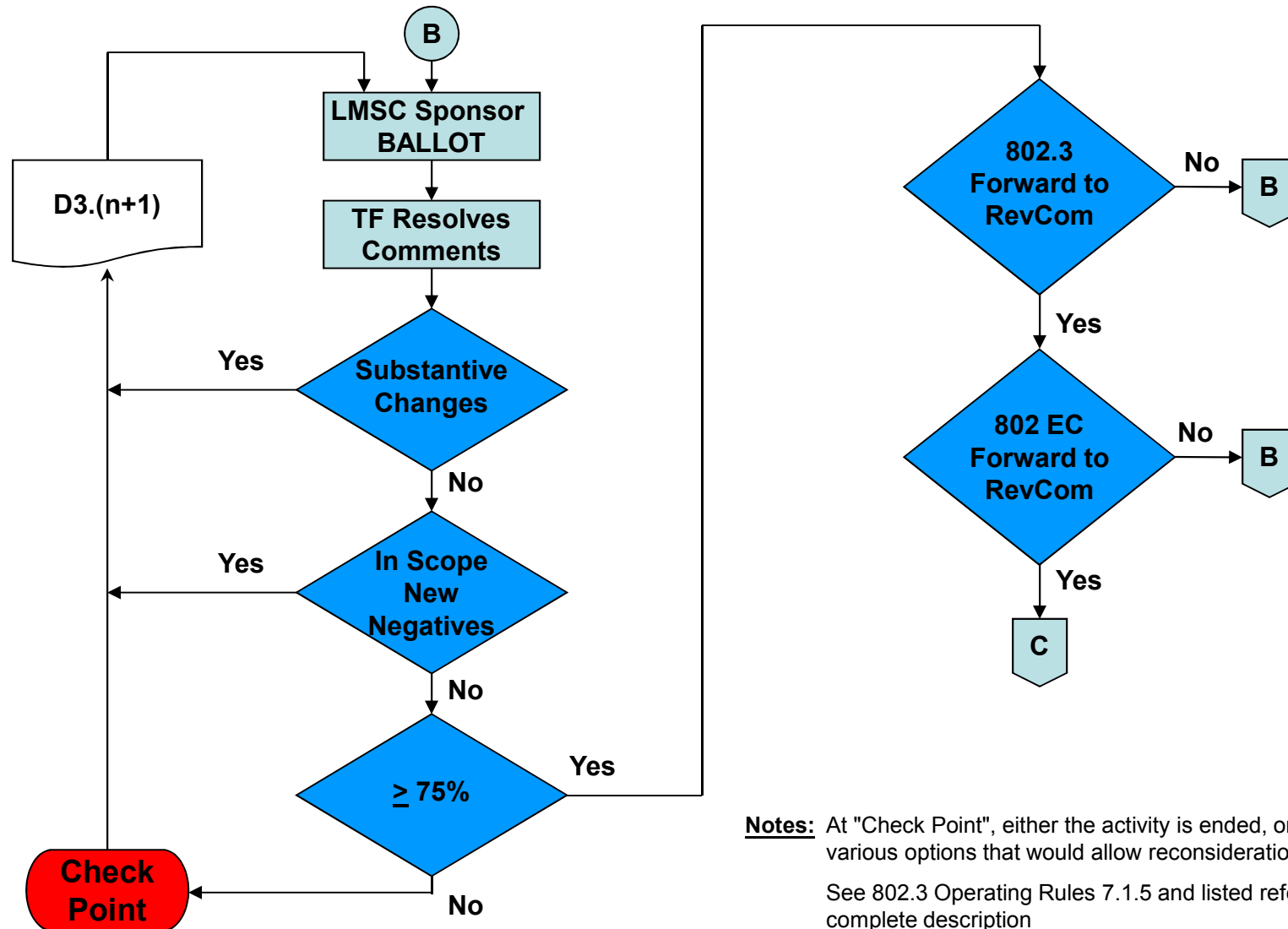
# Overview of IEEE 802.3 Standards Process (3/5) – Working Group Ballot Phase



**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

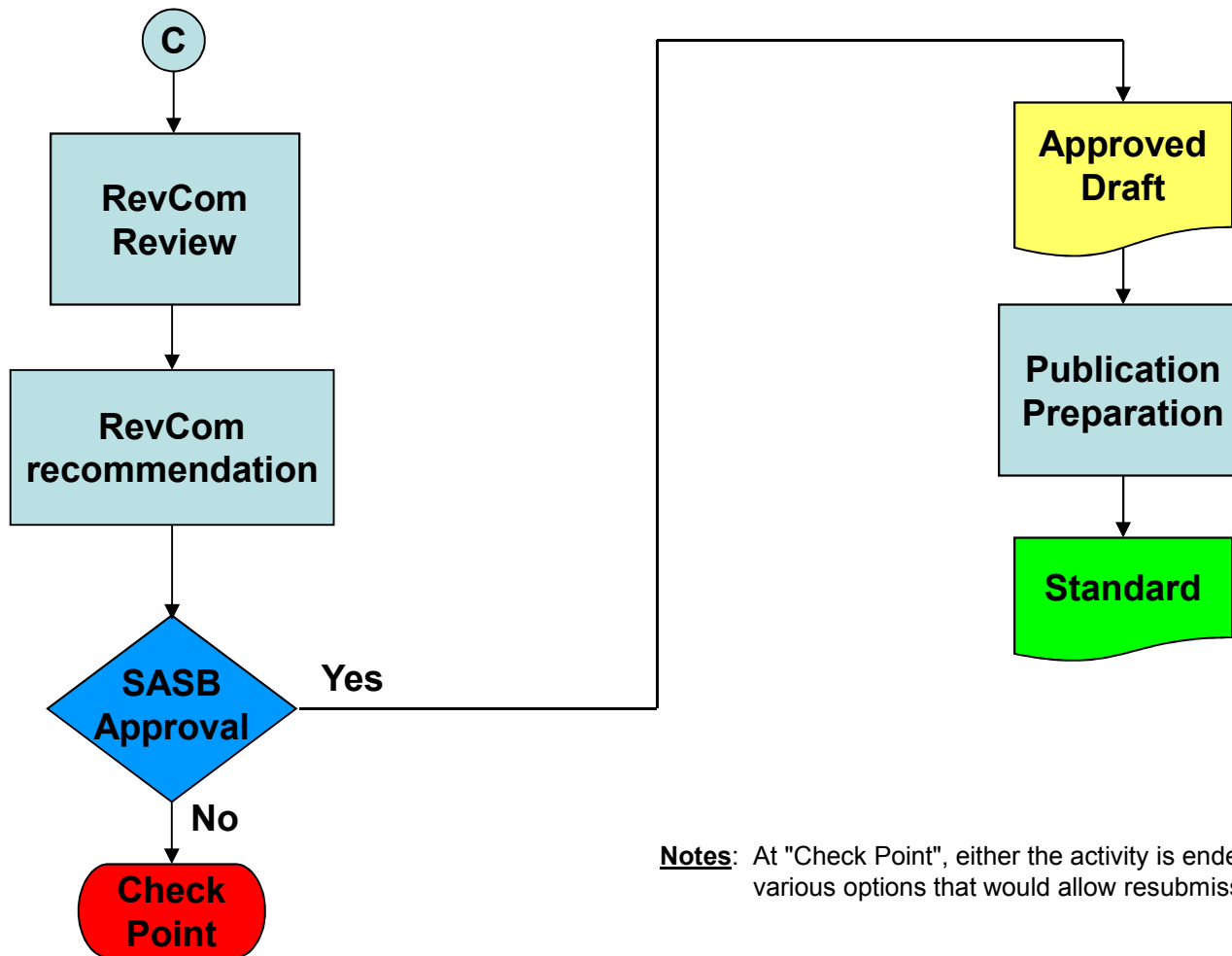
# Overview of IEEE 802.3 Standards Process (4/5)- Sponsor Ballot Phase



**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.

# The Study Group

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- Normal function is to draft a complete PAR and Five Criteria
- Provide a plenary week tutorial to the LMSC.
- Gain approval at the IEEE 802.3 WG, IEEE 802 EC, IEEE-SA NesCom and IEEE-SA Standards Board.
- SG only exists for 6 months
  - Extensions can be requested
  - Voted on by IEEE 802.3
  - Ratified by IEEE 802 EC
- Development of Objectives helps set the goals for the Task Force
- Consensus required to move forward
- Not a goal – choosing a solution.

# Request for Formation of Study Group (as per 7/12 Plenary Motion )

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## MOTION #25

Move that the IEEE 802.3 Working Group request the formation of a Study Group to develop a Project Authorization Request (PAR) and Criteria for Standards Development (CSD) responses for Bidirectional 10 Gb/s, 25 Gb/s and 50 Gb/s Optical Access PHYs Study Group.

M: X. Wang S: D. Ofelt

> 50%

Y: 68, N: 0, A: 8

Passed 12-Jul 2018, 5:37 pm

# Attendance

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- Tutorial Material on attendance tool
  - [http://ieee802.org/3/minutes/attendance\\_procedures.pdf](http://ieee802.org/3/minutes/attendance_procedures.pdf)
- Access details
  - URL: <http://imat.ieee.org/>
  - (For interim) Password will be provided

Note: Ensure that password does not appear in version of slides posted on public web site.

# Motion #2

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- Move to approve the minutes from July meeting, found in:  
minutes\_unapproved\_1025BiDi\_SG\_0718\_San\_Diego.pdf
- M: ? S: ?
- > 75%
- Y: , N: , A:

# Presentations

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- **Technical presentations**

- O-band wavelength plan                      Hanhyub Lee      ETRI
- Appl. & Tech Feasibility of 50G Yu Xu                      Huawei
- 25 Gbd APD receiver      Mengyuan Huang      SiPhotonics

- **Project documents**

- PAR draft                      Frank Effenberger      Huawei
- Objectives                      Frank Effenberger      Huawei
- CSD draft                      Frank Effenberger      Huawei



# Prepare formal PAR

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- Go to MyProject system

# Motion #3

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- Move that the SG approve PAR as shown from MyProject system, and forward to 802.3 for their approval
- M: ? S: ?
- > 75%
- Y: , N: , A:

# Motion #4

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- Move that the SG approve CSD as shown in 180911\_802d3\_CSD\_BiDi.pdf, and forward to 802.3 for their approval
- M: ? S: ?
- > 75%
- Y: , N: , A:

# Motion #5

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- Move that the SG approve objectives as shown in 180911\_802d3\_OBJ\_BiDi.pdf, and forward to 802.3 for their approval
- M: ? S: ?
- > 75%
- Y: , N: , A:

# Future Meetings

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- See: <http://www.ieee802.org/3/interims/index.html>
- *November 2018 Plenary <<Our target for PAR approval*
  - Marriott Marquis Queen's Park, Bangkok, Thailand
  - Nov 12-15
- Attendance: Show of hands, who will go to the Nov meeting?
  - Yes:            No:            Maybe:
- *Jan 2019 Interim*
  - Long Beach, CA
  - Jan 14-18
- Attendance: Show of hands, who will go to the Jan meeting?
  - Yes:            No:            Maybe:
- Anyone interested in hosting a interim meeting contact me or the IEEE 802.3 Executive Secretary [Steve Carlson](#).

# Motion #6

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- Move to adjourn
- M: ? S: ?
- > 50%
- Y: , N: , A:

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# Thank You!