

# IEEE 802.3 Beyond 10km Optical PHYs SG - Agenda and General Information

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Chair, IEEE 802.3 Beyond 10km Optical PHYs Study Group  
Futurewei, Subsidiary of Huawei  
IEEE 802.3 Sept 2018 Interim  
Spokane, WA, USA

# Agenda

- Welcome / Introductions
- Approval of Agenda
- IEEE 802 Participation
- Study Group Information
- Attendance
- Approval of Study Group July 2018 Plenary Minutes
- Pre-PAR Patent Policy
- Ground Rules
- The Role of the Chair
- IEEE
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  - Bylaws and Rules
  - IEEE 802.3 Standards Process
  - Study Group Chartering Motion
- Goals for the Week
- Liaisons & Communications
- Ad Hoc Reports
- Presentations
- Discussion, Straw Polls, Motions
- Closing Business
- Future Meetings

# 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

# 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>)

IEEE 802 Executive Committee

# IEEE 802.3 Beyond 10km Optical PHYs SG Information

- John D'Ambrosia, Chair
- Home Page - <http://www.ieee802.org/3/B10K/index.html>
- Reflector Information –  
<http://www.ieee802.org/3/B10K/reflector.html>

# Attendance

- Tutorial Material on attendance tool
  - [http://ieee802.org/3/minutes/attendance\\_procedures.pdf](http://ieee802.org/3/minutes/attendance_procedures.pdf)
- Attendance books
  - Keeps track of attendance in room
  - Used to support requests to verify attendance by chair if IMAT not used.

# Study Group Meeting Minutes for approval

- July Plenary

- [http://www.ieee802.org/3/B10K/public/18\\_07/minutes\\_b10k\\_01\\_0718\\_unapproved.pdf](http://www.ieee802.org/3/B10K/public/18_07/minutes_b10k_01_0718_unapproved.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>

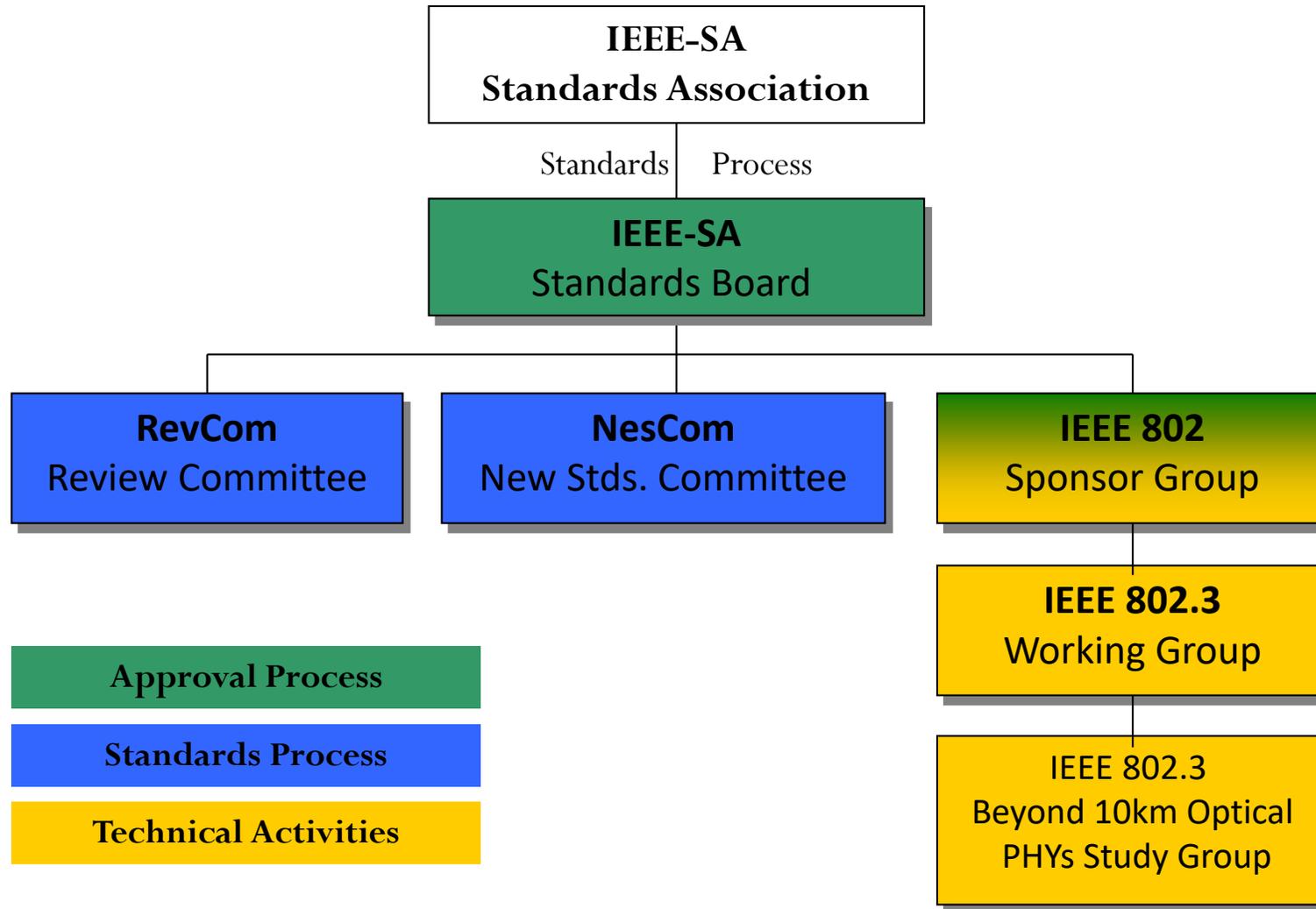
# Ground Rules

- 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

# The Role of the Chair

- Per the IEEE 802.3 Ethernet WG Operations Manual ([http://www.ieee802.org/3/rules/P802\\_3\\_rules.pdf](http://www.ieee802.org/3/rules/P802_3_rules.pdf))
  - The operation of the TF has to be balanced between democratic procedures that reflect the desires of the TF members and the TF Chair's responsibility to produce a draft standard, recommended practice, or guideline in a reasonable amount of time for review and approval by the WG. Robert's Rules of Order shall be used in combination with these operating rules to achieve this balance.
  - The full responsibilities of the chair are specified in 3.4.3 Task Force Chair's Responsibilities.
- Reminder - individual standards activities within the WG are, at the discretion of the WG, carried out by Task Forces (TF) operating under, and reporting to, the WG.

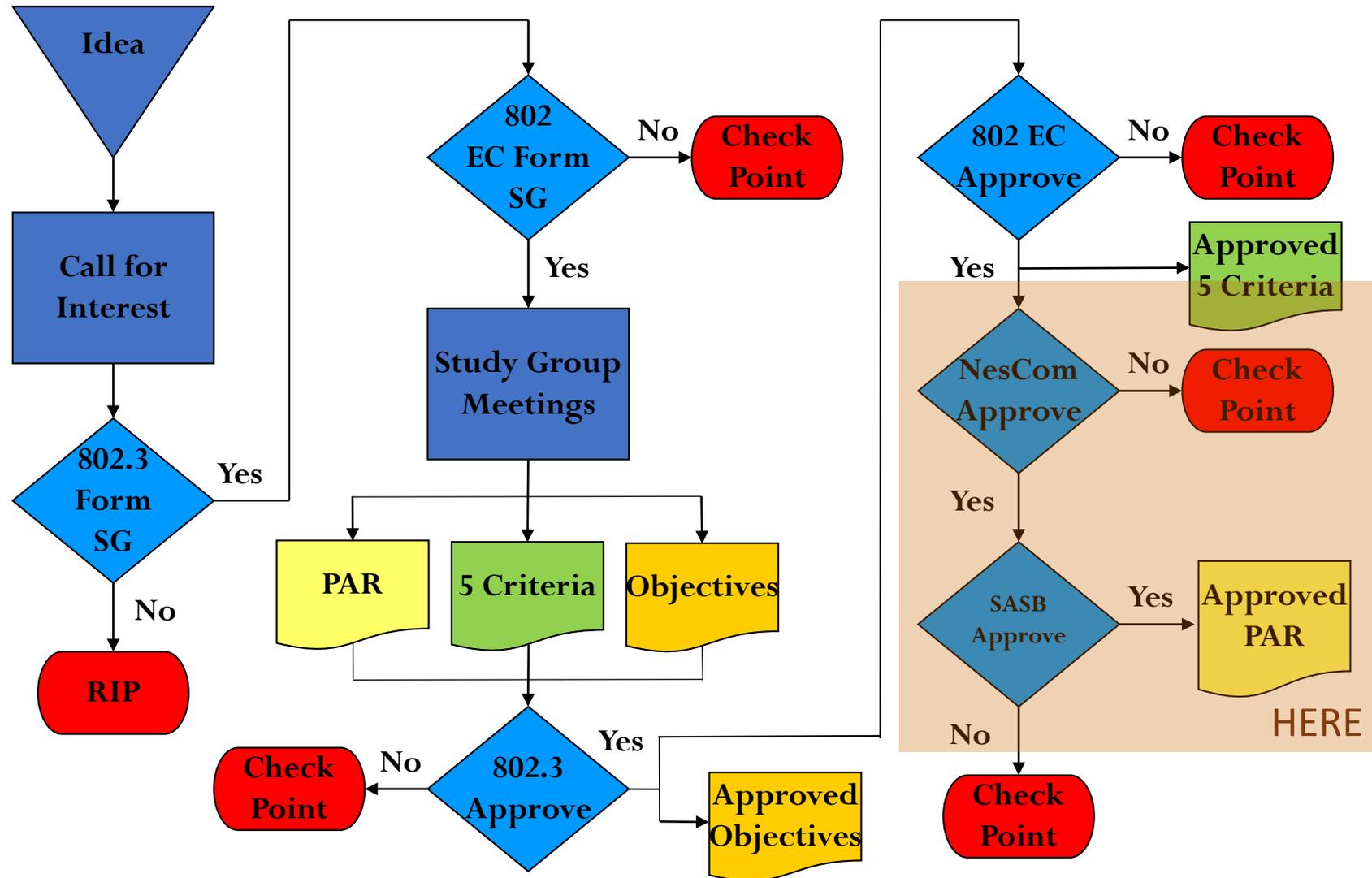
# IEEE Structure



# Important Bylaws, Rules, & References

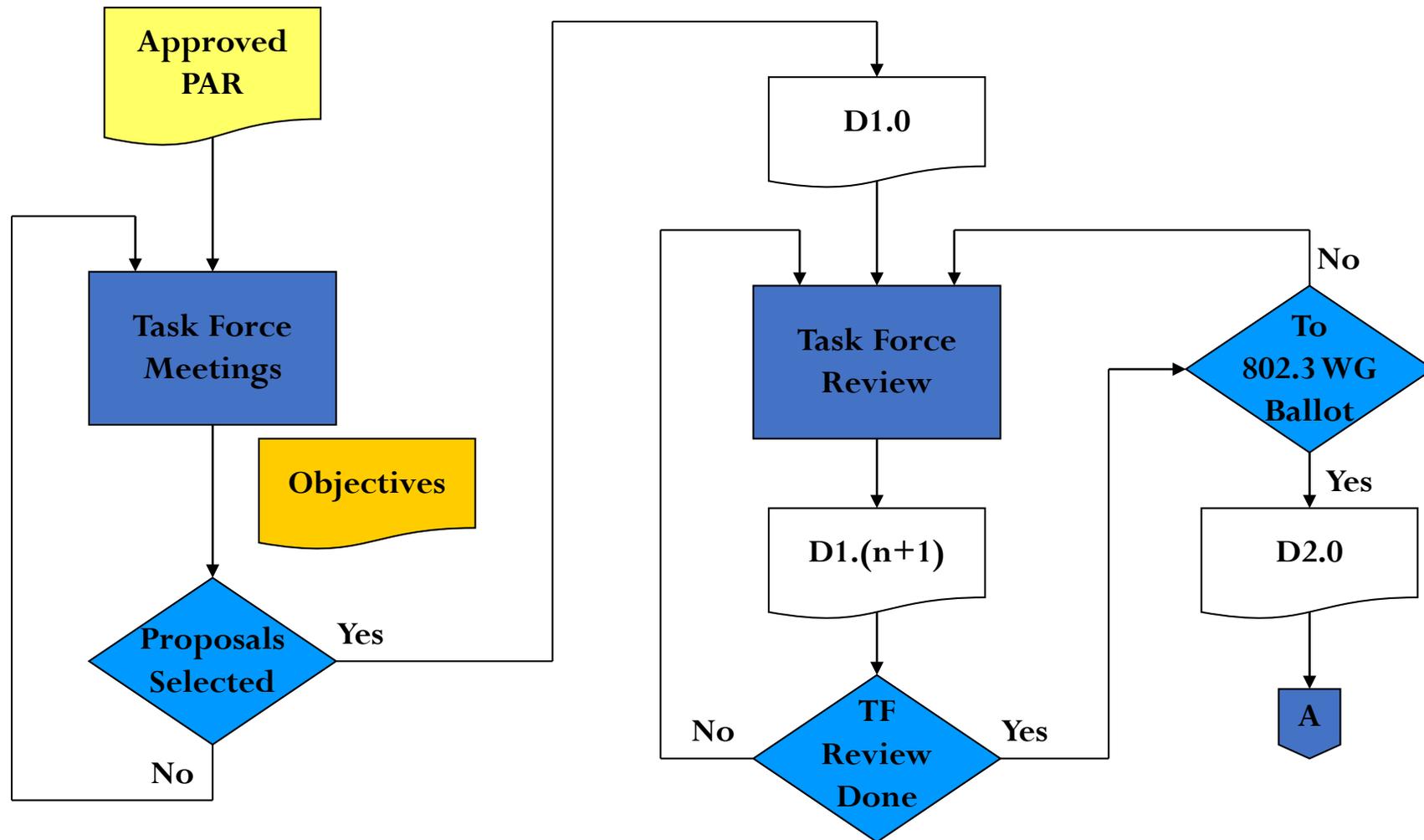
- **IEEE-SA Operations Manual**  
[http://standards.ieee.org/develop/policies/sa\\_opman/](http://standards.ieee.org/develop/policies/sa_opman/)
- **IEEE-SA Standards Board Bylaws**  
<http://standards.ieee.org/develop/policies/bylaws/>
- **IEEE-SA Standards Board Operations Manual**  
<http://standards.ieee.org/develop/policies/opman/>
- **IEEE 802 LAN/MAN Standards Committee (LMSC) Policies and Procedures**  
<http://standards.ieee.org/about/sasb/audcom/np/LMSC.pdf>
- **IEEE 802 LAN/MAN Standards Committee (LMSC) Operations Manual**  
<https://mentor.ieee.org/802-ec/dcn/17/ec-17-0090-22-0PNP-ieee-802-lmsc-operations-manual.pdf>
- **IEEE 802 LAN/MAN Standards Committee (LMSC) Working Group (WG) Policies and Procedures**  
[http://ieee802.org/PNP/approved/IEEE\\_802\\_WG\\_PandP\\_v19.pdf](http://ieee802.org/PNP/approved/IEEE_802_WG_PandP_v19.pdf)
- **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)
- **“Promoting Competition and Innovation: What You Need to Know about the IEEE Standards Association's Antitrust and Competition Policy”**  
<http://standards.ieee.org/develop/policies/antitrust.pdf>

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

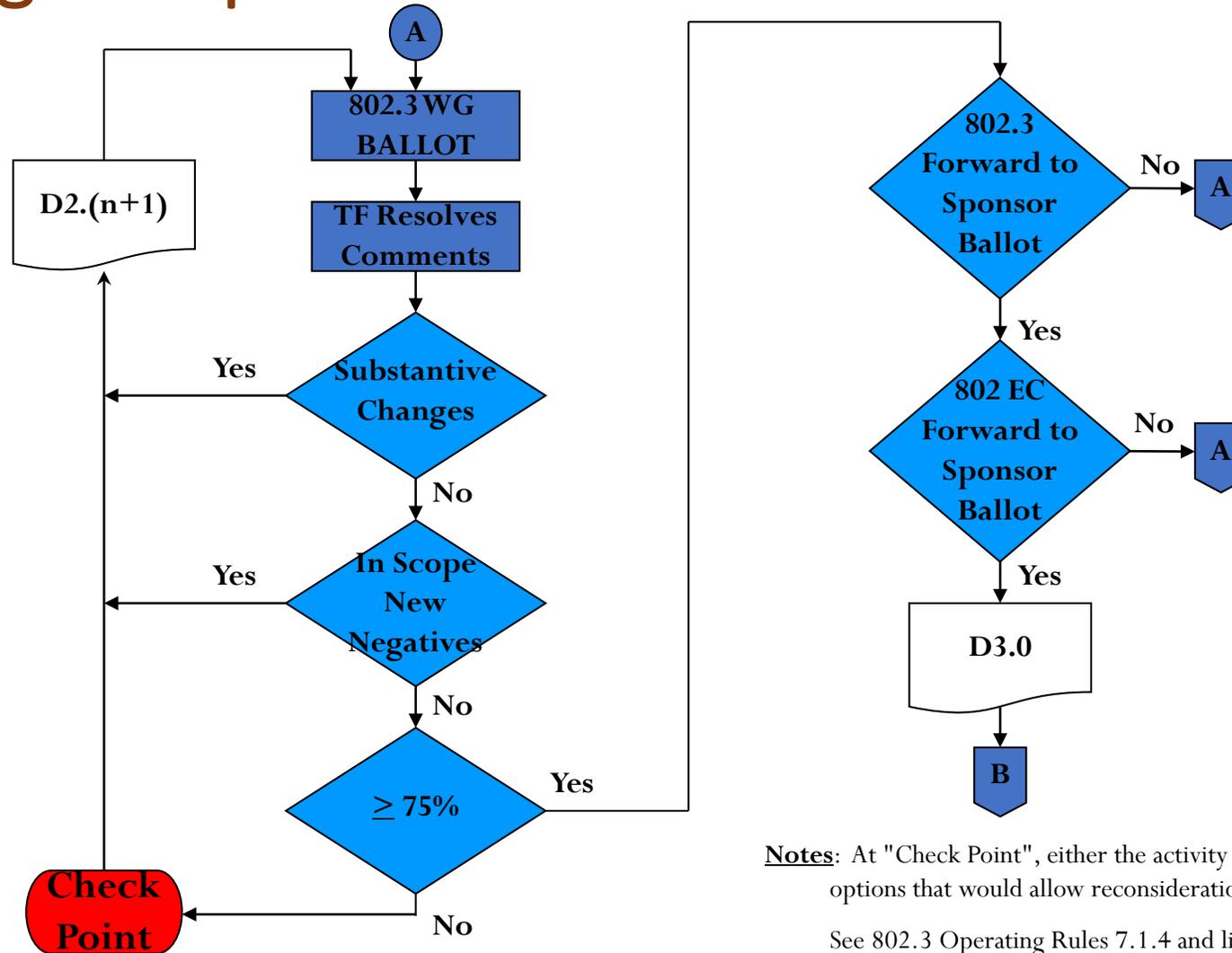


Note: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

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



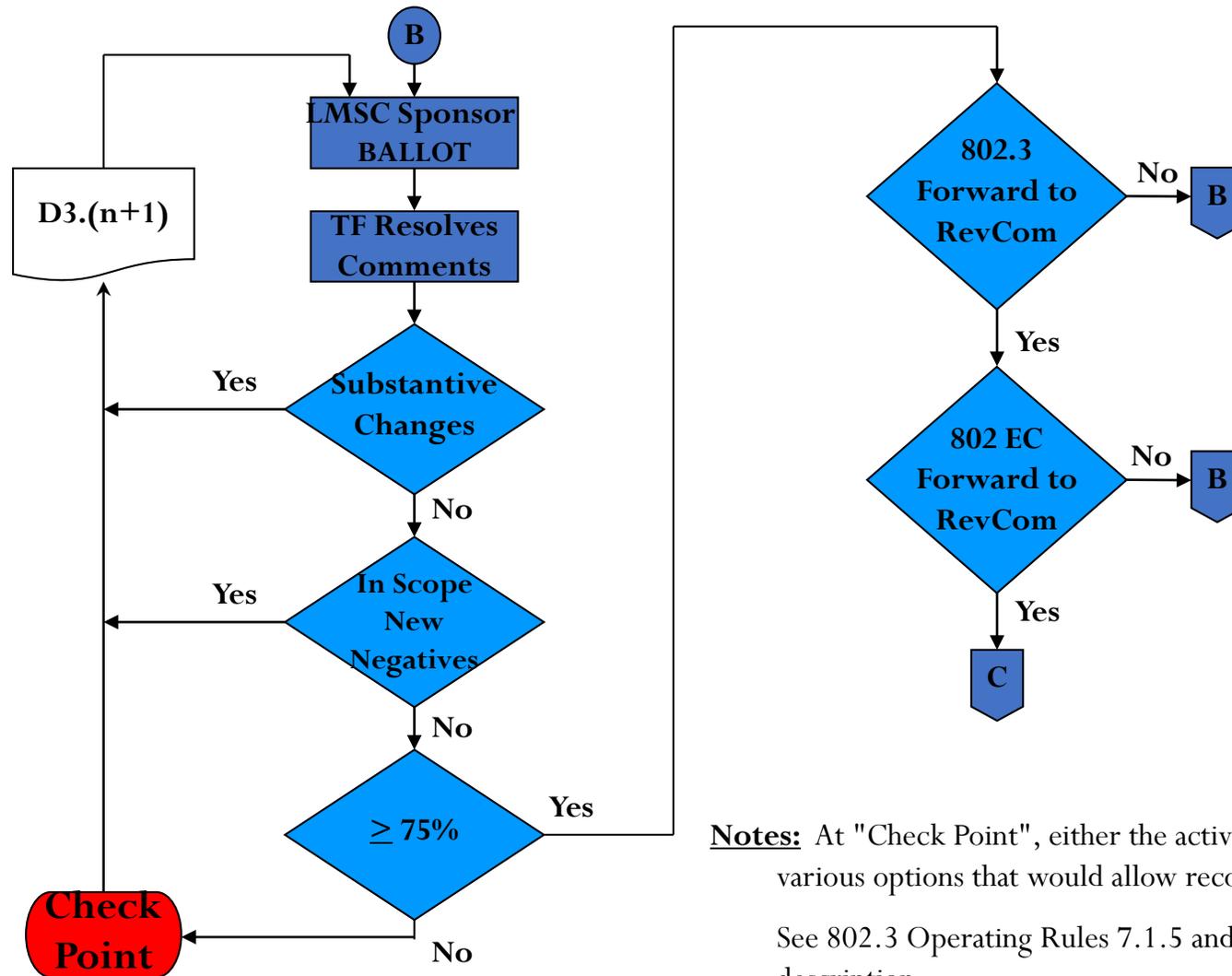
# Overview of IEEE 802.3 Standards Process (3/5) – Working Group Ballot Phase



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

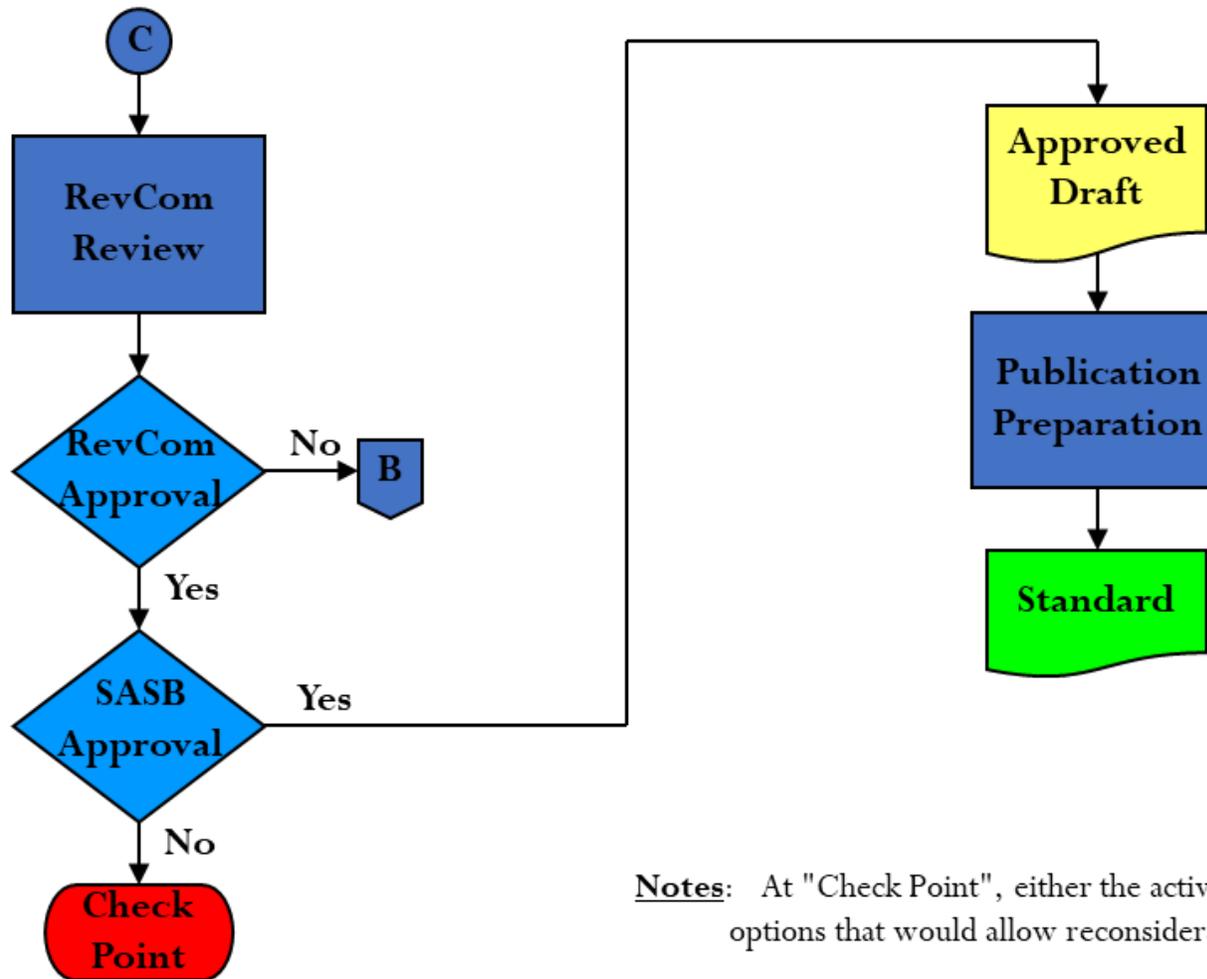
See 802.3 Operating Rules 7.1.4 and listed references for complete description

# 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 reconsideration of the approval.

# SG Chartering Motion

Move that the IEEE 802.3 Ethernet Working Group authorizes the formation of a study group to develop a Project Authorization Request (PAR) and Criteria for Standards Development (CSD) responses for “Beyond 10km Optical PHYs for 50 Gb/s, 100 Gb/s, 200 Gb/s, and 400 Gb/s Ethernet”

# Goals for the Week

- Discuss anticipated 802.3cn project
- 4 technical presentation
- Liaisons
  - ITU-T - Progress on G.698.2
  - OIF – 400ZR Interop Project

# Liaisons and Communications

- ITU-T – Progress on G.698.2
  - [ITU-T SG15 to IEEE 802.3 regarding progress on G.698.2](#)
- OIF Liaison - 400ZR Interop Project
  - [http://www.ieee802.org/3/minutes/sep18/incoming/OIF\\_to\\_IEEE\\_802d3\\_400ZR\\_Aug\\_2018.pdf](#)

# Ad Hoc Report

- None

# Schedule

All times and order listed are subject to change.

Time	Presenter	Affiliation	Title	File Name
9:00 AM	John D'Ambrosia	Futurewei, Subsidiary of Huawei	Agenda and General Information	agenda_b10k_01_0918
9:30 AM	John D'Ambrosia	Futurewei, Subsidiary of Huawei	The Beyond 10km Optical PHYs Project: An Overview	dambrosia_b10k_01_0918
10:00 AM	Pete Anslow	Ciena	The road to a completed standard	anslow_b10k_01_0918
10:30 AM	Break			
11:00 AM	Ken Jackson	SEI	200G EML Fiber Propagation Result	jackson_b10k_01_0918
11:30 AM	Gary Nicholl	Cisco	Architecture considerations in support of 100Gb/s and 400Gb/s 80km DWDM PHYs	nicholl_b10k_01_0918
12:00 PM	Lunch			
1:15 PM	Ilya Lyubomirsky	InPhi	400G FEC and Framing for 80km	lyubomirsky_b10k_01_0918
1:45 PM	Ilya Lyubomirsky	InPhi	Considerations for 100G FEC and Framing for 80km over a DWDM system	lyubomirsky_b10k_02_0918
2:15 PM	Discussion, Strawpolls, Motions			
3:00 PM	Break			
3:20 PM	Discussion, Strawpolls, Motions (cont)			
4:30 PM	Closing Business			
5:00 PM	Adjourn			

# Future Meetings

See: <http://www.ieee802.org/3/interims/index.html>  
for meeting details and additional meetings.

- Nov 2018
  - Week of Nov 12
  - Marriott Marquis Queen's Park
  - Bangkok, Thailand
- Jan 2019
  - Week of Jan 14
  - Hilton Long Beach
  - Long Beach, CA, USA
- Mar 2019
  - Week of March 11
  - Fairmont Hilton
  - Vancouver, BC, Canada
- May 2019
  - Week of May 20
  - Location and Venue TBD
- July 2019
  - Week of July 15
  - Austria Congress Centre
  - Vienna, Austria

# Thank You!