

Agenda and General Information

IEEE P802.3cn Task Force;
IEEE P802.3ct Task Force;

Joint IEEE P802.3cn / IEEE P802.3ct Task Force Meeting

John D'Ambrosia,
Chair, IEEE P802.3cn Task Force
Chair, IEEE P802.3ct Task Force
Futurewei, Subsidiary of Huawei
IEEE 802.3 May 2019 Interim
Salt Lake City, UT, USA

Foreword

- The IEEE P802.3cn Task Force and IEEE P802.3ct Task Force will meet jointly starting Mon 9am.
- The IEEE P802.3cn Task Force will meet Tuesday @ 1pm (Note – Task Force meeting will happen no earlier than this time, but may be delayed due to schedule.)
- The IEEE P802.3ct Task Force will meet Tuesday @ 2pm (Note – Task Force meeting will happen no earlier than this time, but may be delayed due to schedule.)
- This agenda deck addresses the joint, IEEE P802.3cn Task Force, and the IEEE P802.3ct Task Force Meetings.
- Joint Task Force Meeting, P802.3cn, P802.3ct Task Force meetings will adjourn by Tues 6pm

Joint Task Force Agenda

- Welcome / Introductions
- Approval of Agenda
- Approval Minutes – 1) March Joint TF Meeting; 2) 5/9 Joint TF Teleconference
- IEEE 802 Participation
- IEEE P802.3cn Task Force Information
- IEEE P802.3ct Task Force Information
- Attendance
- Patent Policy
- Ground Rules
- The Role of the Chair
- IEEE
 - Structure
 - Bylaws and Rules
 - IEEE 802.3 Standards Process
- Goals for the Week
- Liaisons & Communications
- Ad Hocs Reports
- IEEE P802.3cn Comment Consideration – D2.0 / Presentations
- IEEE P802.3ct Presentations / Discussion / Strawpolls
- Future Meetings

Joint TF Minutes Approval

- Approval Minutes –

1. March Joint TF Meeting (Joint TF noted) –

http://www.ieee802.org/3/ct/public/19_03/minutes_3cnct_01_0319_unapproved.pdf

2. 5/9 Joint TF Ad hoc Teleconference -

http://www.ieee802.org/3/cn/public/adhoc/19_0509/minutes_3cnct_190509_unapproved.pdf

IEEE P802.3cn Agenda

- Approval of Agenda
- Approval Minutes – 1) March P802.3cn Meeting;
- Announcement – Standards Association Ballot
- IEEE 802 Participation
- Attendance
- Patent Policy
- Discussion, Motions
- Closing Business
- Future Meetings

IEEE P802.3cn Task Force Minutes Approval

1. March Joint TF Meeting (IEEE P802.3cn noted) –

http://www.ieee802.org/3/ct/public/19_03/minutes_3cnct_01_0319_unapproved.pdf

Standards Association Ballot Announcement

- If you wish to take part in the IEEE Standards Association ballot of the IEEE P802.3cn draft please follow the instructions found in the 802.3 WG Chair's Announcement -

http://www.ieee802.org/3/email_dialog/msg00895.html

- Please note that you have to join the ballot group by 3rd June 2019, 23:59 Eastern Time.

IEEE P802.3ct Agenda

- Approval of Agenda
- Attendance
- Approval of Minutes 1) March P802.3ct Plenary; 2) 3/28 IEEE P802.3ct ad hoc
- IEEE 802 Participation
- Patent Policy
- Discussion & Presentations
- Motions
- Closing Business
- Future Meetings

IEEE P802.3ct Task Force Minutes Approval

1. March Joint TF Meeting (IEEE P802.3ct noted) –

http://www.ieee802.org/3/ct/public/19_03/minutes_3cnct_01_0319_unapproved.pdf

2. 3/28 IEEE P802.3ct Ad hoc Teleconference -

http://www.ieee802.org/3/ct/public/adhoc/19_0328/minutes_3ct_190328_a_unapproved.pdf

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 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 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

Task Force 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. (Jan 2019 IEEE-SA Standards Board Ops Manual 5.3.3.2)
- Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (Jan 2019 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

IEEE P802.3cn Task Force Project information

- Task Force Organization
 - John D'Ambrosia, Chair, IEEE P802.3cn Task Force
 - Editorial Team
 - Pete Anslow – Chief Editor
 - Peter Stassar – 40km Optical PHY Clauses
 - Task force web and reflector information
 - Reflector: <http://www.ieee802.org/3/cn/reflector.html>
 - Home page: <http://www.ieee802.org/3/cn/index.html>
 - Project Documentation –
 - PAR : <https://development.standards.ieee.org/get-file/P802.3cn.pdf?t=99813600003>
 - CSD: <https://mentor.ieee.org/802-ec/dcn/18/ec-18-0248-00-ACSD-p802-3cn.pdf>
 - Objectives: <http://www.ieee802.org/3/cn/proj doc/3cn Objectives 190212.pdf>
 - Timeline <http://www.ieee802.org/3/cn/proj doc/timeline 3cn 190119.pdf>
- Ad Hoc page <http://www.ieee802.org/3/cn/public/adhoc/index.html>
- Private Area <http://www.ieee802.org/3/cn/private/index.html>

IEEE P802.3ct Task Force Project information

- Task Force Organization
 - John D'Ambrosia, Chair, IEEE P802.3cn Task Force
 - Editorial Team
 - Tom Issenhuth – Chief Editor, 400 GbE Optical PHY Clause
 - Pete Anslow – Supporting Clauses
 - Peter Stassar – 100 GbE Optical PHY Clause
 - Steve Trowbridge - 100 GbE PCS/FEC/PMA Extender Clauses
 - John DeAndrea - 400 GbE PCS/PMA Clauses
 - Task force web and reflector information
 - Reflector: <http://www.ieee802.org/3/ct/reflector.html>
 - Home page: <http://www.ieee802.org/3/ct/index.html>
 - Project Documentation –
 - PAR : http://www.ieee802.org/3/ct/P802_3ct_PAR.pdf
 - CSD: <https://mentor.ieee.org/802-ec/dcn/18/ec-18-0249-00-ACSD-p802-3ct.pdf>
 - Objectives: http://www.ieee802.org/3/ct/3ct_Objectives_190212.pdf
 - Timeline: http://www.ieee802.org/3/ct/timeline_3ct_190119.pdf
 - Ad Hoc page: <http://www.ieee802.org/3/ct/public/adhoc/index.html>

Attendance

- Tutorial Material on attendance tool
 - http://iee802.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.

Instructions for the WG Chair

The IEEE-SA strongly recommends that at each WG meeting the chair or a designee:

- **Show slides #1 through #4 of this presentation**
- **Advise the WG attendees that:**
 - IEEE's patent policy is described in Clause 6 of the *IEEE-SA Standards Board Bylaws*;
 - Early identification of patent claims which may be essential for the use of standards under development is strongly encouraged;
 - There may be Essential Patent Claims of which IEEE is not aware. Additionally, neither IEEE, the WG, nor the WG Chair can ensure the accuracy or completeness of any assurance or whether any such assurance is, in fact, of a Patent Claim that is essential for the use of the standard under development.
- **Instruct the WG Secretary to record in the minutes of the relevant WG meeting:**
 - That the foregoing information was provided and that slides 1 through 4 (and this slide 0, if applicable) were shown;
 - That the chair or designee provided an opportunity for participants to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) of which the participant is personally aware and that may be essential for the use of that standard
 - Any responses that were given, specifically the patent claim(s)/patent application claim(s) and/or the holder of the patent claim(s)/patent application claim(s) that were identified (if any) and by whom.
- The WG Chair shall ensure that a request is made to any identified holders of potential essential patent claim(s) to complete and submit a Letter of Assurance.
- It is recommended that the WG Chair review the guidance in *IEEE-SA Standards Board Operations Manual* 6.3.5 and in FAQs 14 and 15 on inclusion of potential Essential Patent Claims by incorporation or by reference.

Note: **WG** includes Working Groups, Task Groups, and other standards-developing committees with a PAR approved by the IEEE-SA Standards Board.

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

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

Other guidelines for IEEE WG 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 of different technical approaches that include relative costs of patent licensing terms may be discussed in standards development meetings.
 - **Technical considerations remain the 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.**

For more details, see *IEEE-SA Standards Board Operations Manual*, clause 5.3.10 and *Antitrust and Competition Policy: What You Need to Know* at <http://standards.ieee.org/develop/policies/antitrust.pdf>

Patent-related information

The patent policy and the procedures used to execute that policy are documented in the:

- *IEEE-SA Standards Board Bylaws*
(<http://standards.ieee.org/develop/policies/bylaws/sect6-7.html#6>)
- *IEEE-SA Standards Board Operations Manual*
(<http://standards.ieee.org/develop/policies/opman/sect6.html#6.3>)

Material about the patent policy is available at
<http://standards.ieee.org/about/sasb/patcom/materials.html>

**If you have questions, contact the IEEE-SA
Standards Board Patent Committee Administrator
at patcom@ieee.org**

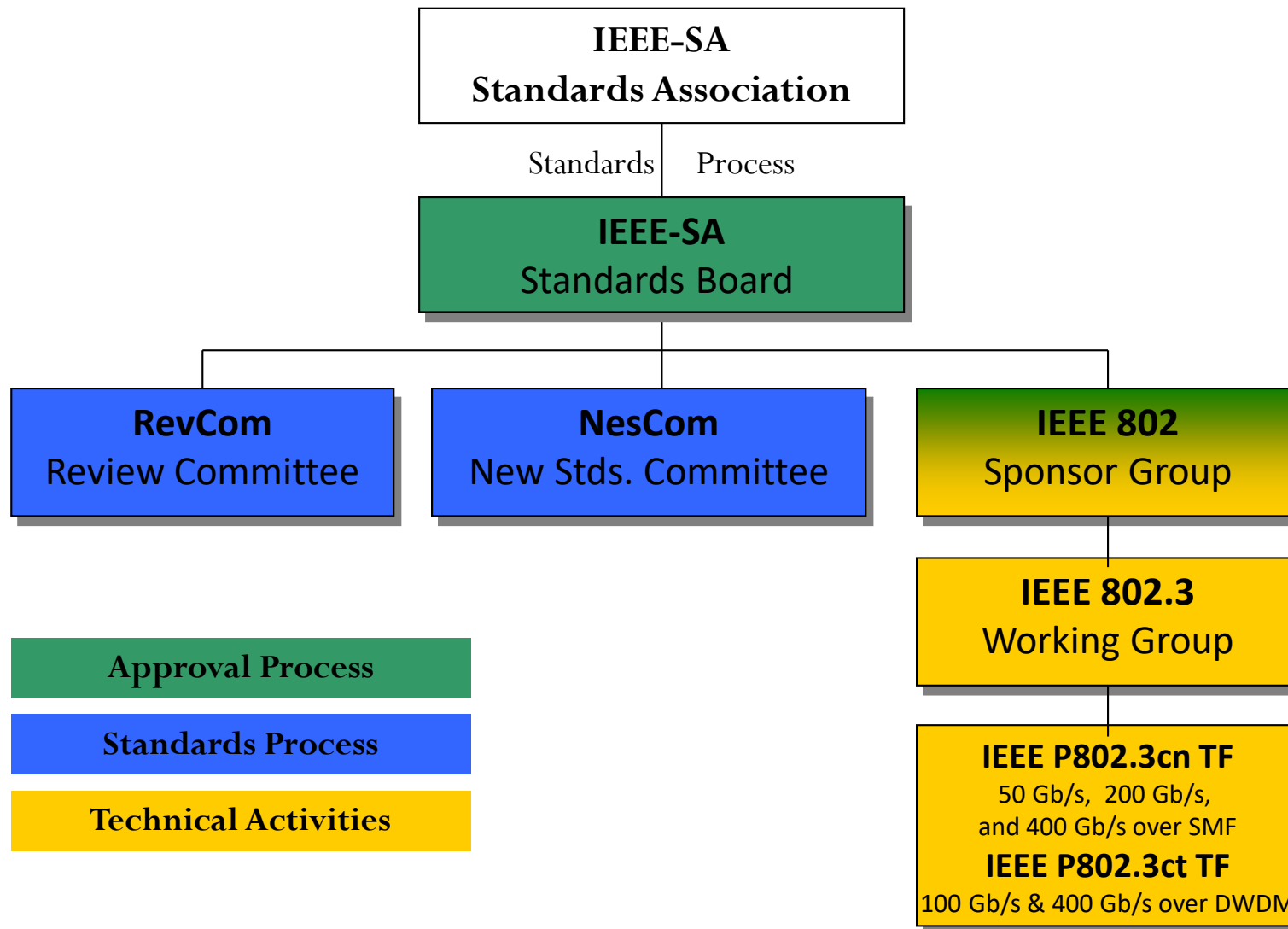
Ground Rules

- 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)
 - 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.

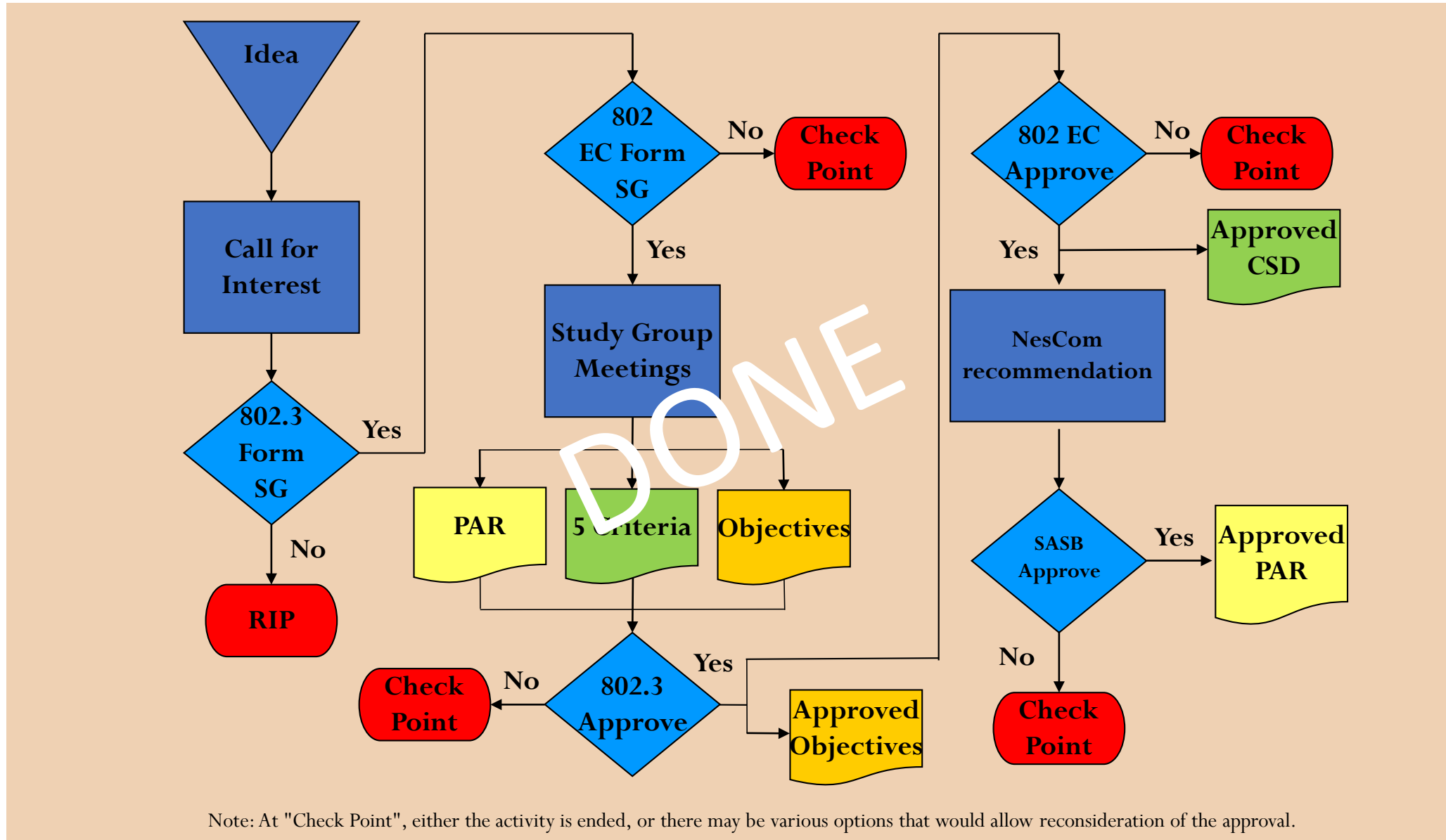
IEEE Structure



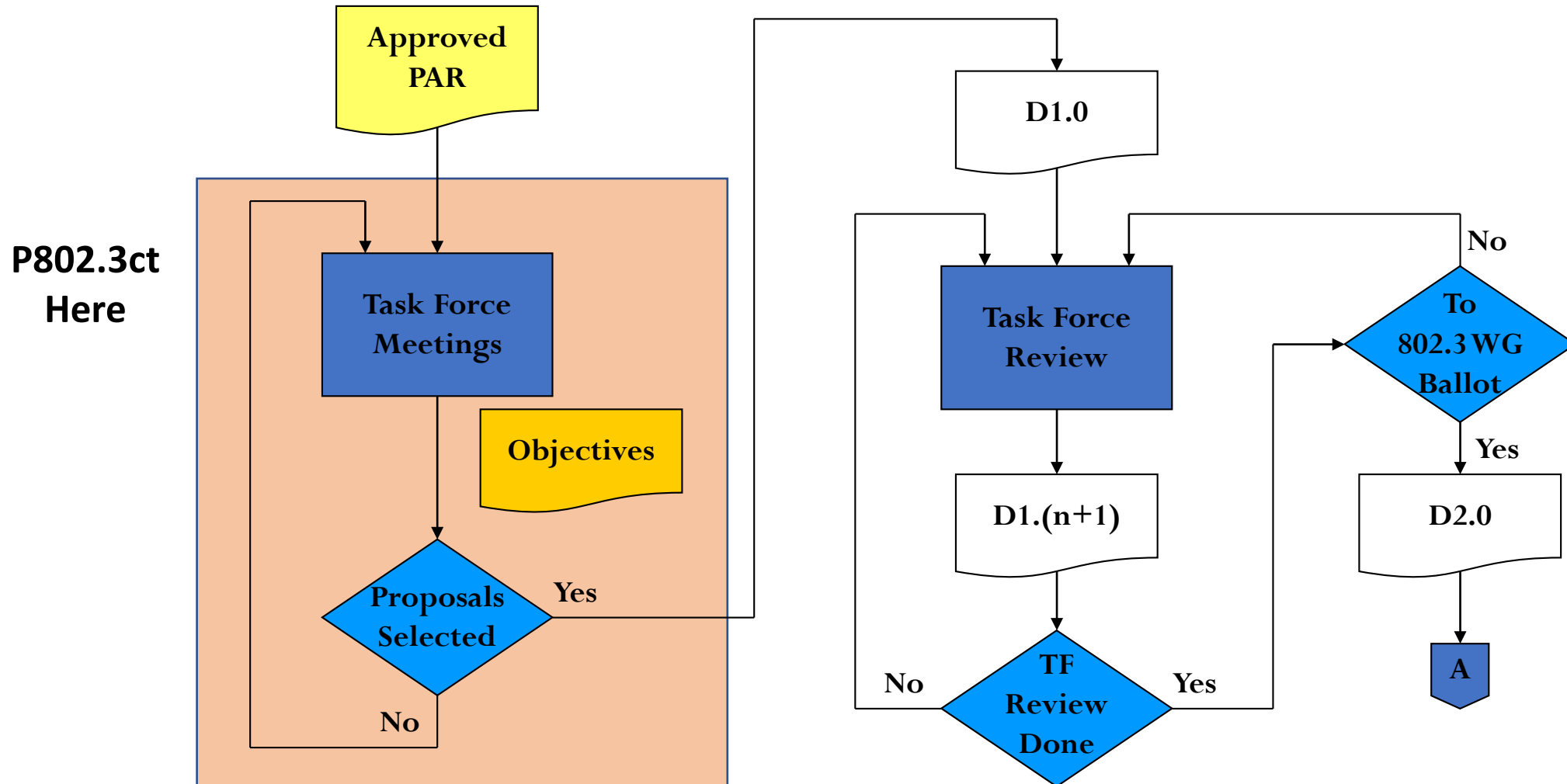
Important Bylaws, Rules, and References

- **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
- **“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

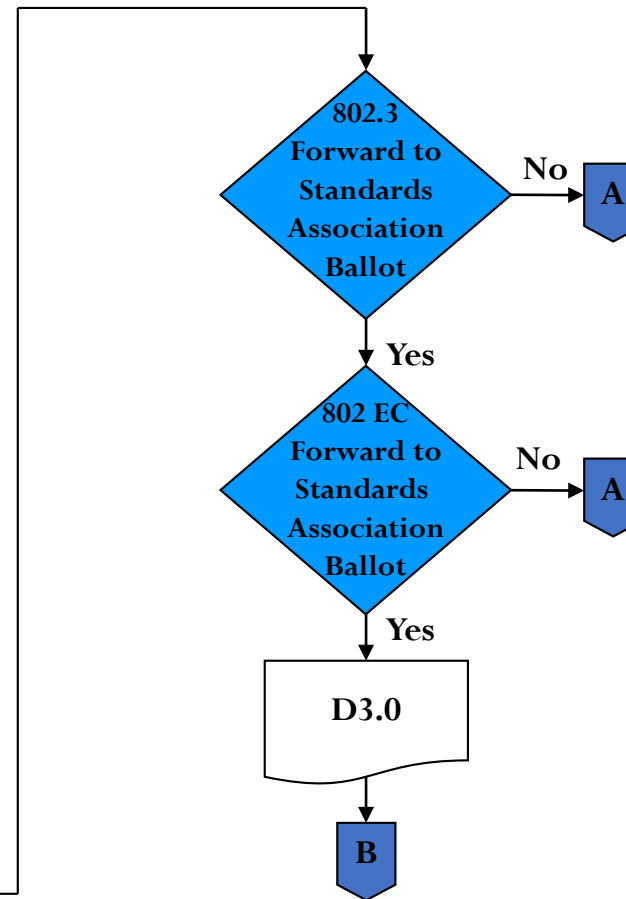
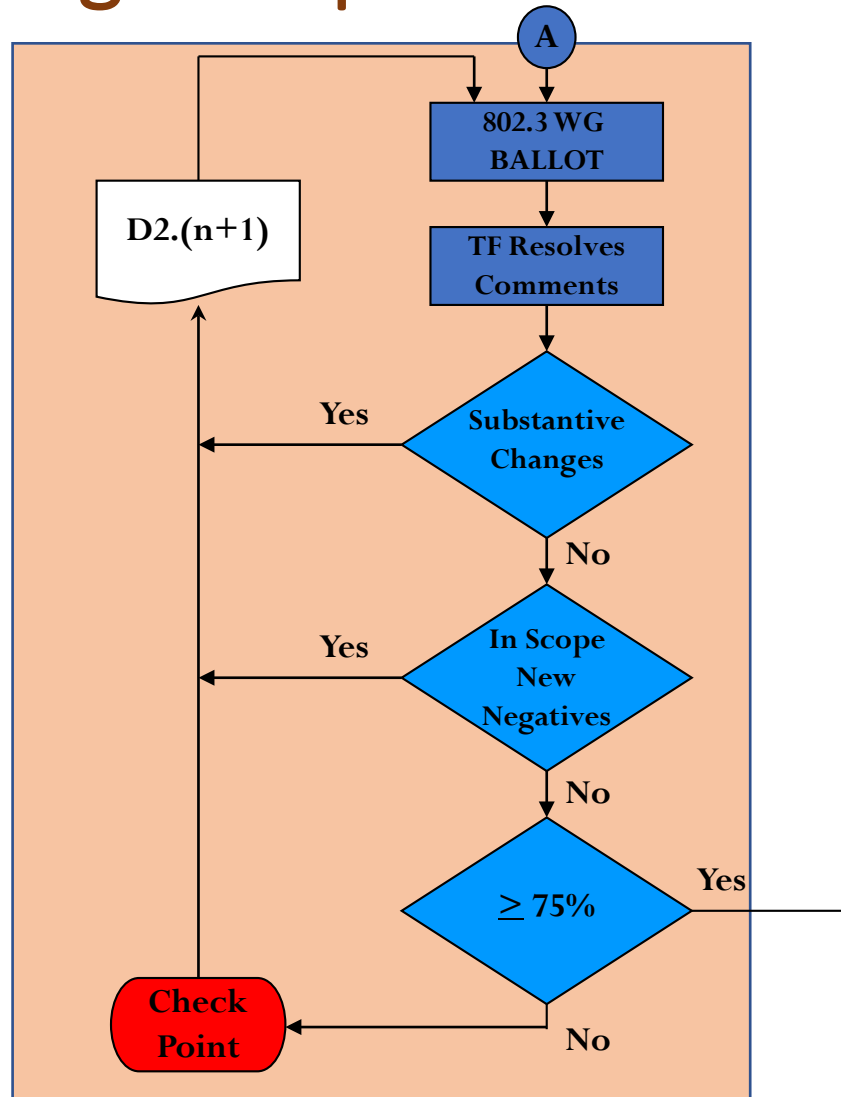


Overview of IEEE 802.3 Standards Process (2/5) – Task Force Comment Phase



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

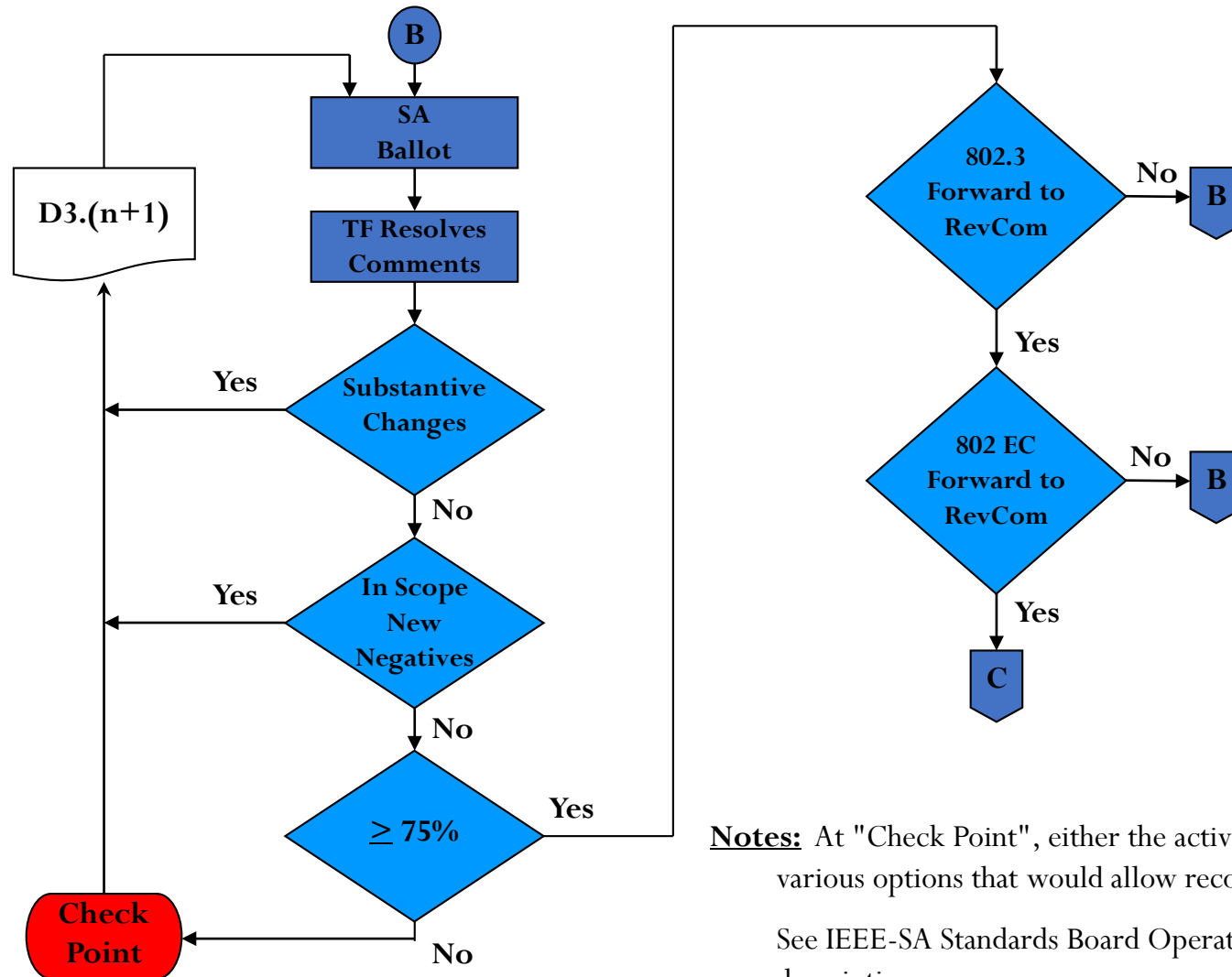
P802.3cn
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Notes: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

See 802.3 Operating Rules 2.6 and listed references for complete description

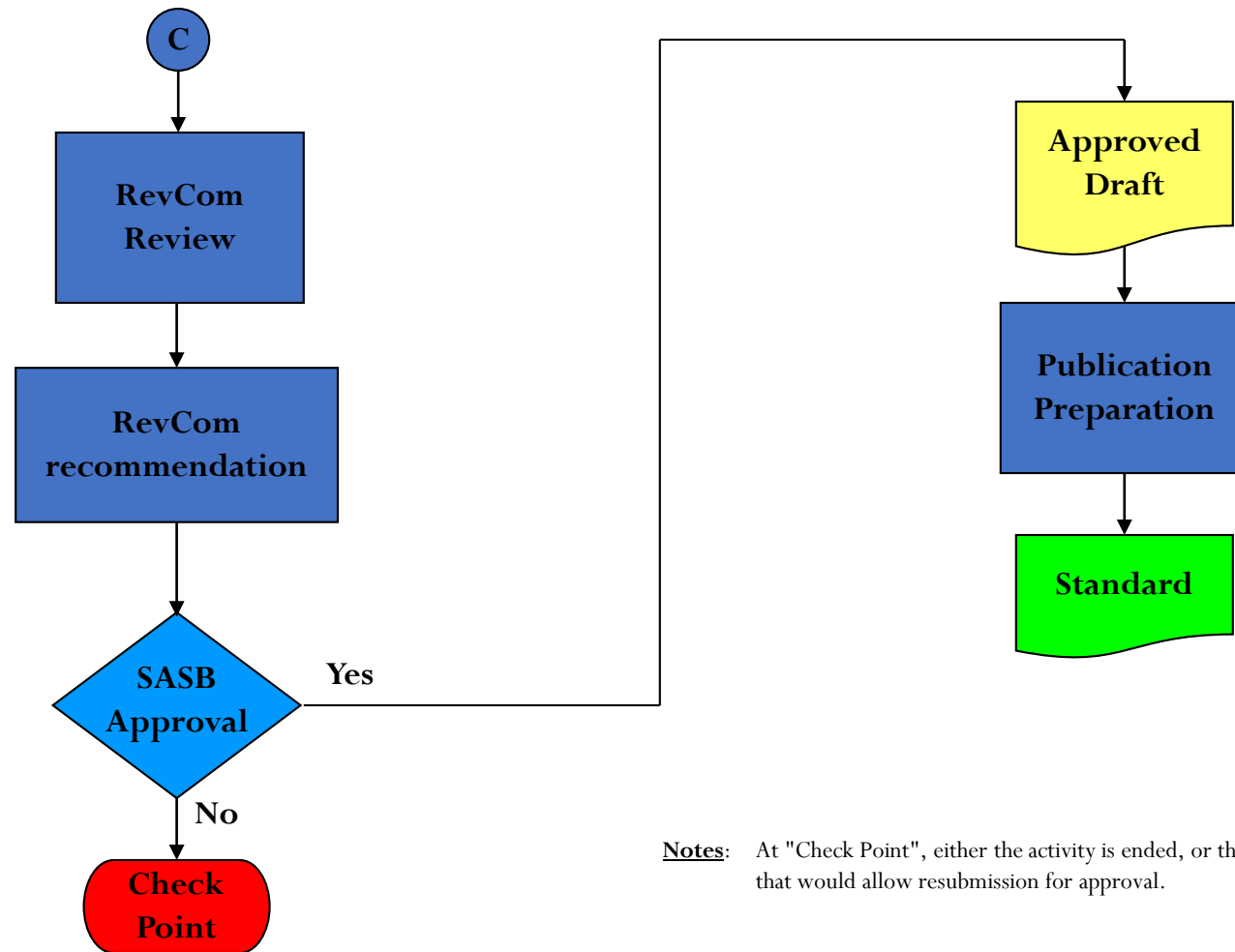
Overview of IEEE 802.3 Standards Process (4/5)- Sponsor Ballot Phase



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

See IEEE-SA Standards Board Operation Manual 5.4 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.

Goals for the Week

- Joint P802.3cn / P802.3ct Task Force Meeting
 - Consider comments (presentations) submitted against IEEE P802.3cn D2.0
 - Hear 5 (.3ct) technical presentations / baseline proposals
 - Consider liaison from ITU-T
- P802.3cn Task Force Meeting – Tues 1pm to 2pm
 - Approve responses to comments submitted against D2.0
 - Approve Generation of D2.1
- P802.3ct Task Force Meeting – Tues 2pm to 6pm
 - Additional time for .3ct presentations / strawpolls
 - Baseline adoption
 - Motions & Closing Business

Liaisons and Communications

- Incoming to consider -
 - ITU-T SG15 to IEEE 802.3 on test results for spectral excursion
 - http://www.ieee802.org/3/minutes/may19/incoming/ITU_SG15-LS-181_to_IEEE_802d3.pdf
 - OIF to IEEE 802.3 regarding progress on the OIF 400ZR project
 - http://www.ieee802.org/3/minutes/may19/incoming/OIF_to_IEEE_802.3_400ZR_May_2019.pdf
 - [Attachment](#) (Password protected)
- Potential Outgoing - RE: Comment #16, IEC 60793-2-50 2018 – updated single-mode fiber naming convention to be more in line with ITU-T
 - IEEE 802.3 to IEC – Request IEC 60793-2-50 2018

Ad hoc Report

- IEEE P802.3ct
 - 3/28: http://www.ieee802.org/3/ct/public/adhoc/19_0328/index.html
 - Topics: DCI Data, Recommendations for Rx PMD & Polarization Demux test specs; 400GBASE-ZR Tx EVM, Polarization Mode Dispersion Emulators
- Joint IEEE P802.3cn / P802.3ct
 - 4/4: http://www.ieee802.org/3/cn/public/adhoc/19_0404/index.html
 - [.3cn] ER/FR/LR Interop Requirements; [.3ct] Reviewing path ahead for P802.3ct
 - 4/25: http://www.ieee802.org/3/cn/public/adhoc/19_0425/index.html
 - [.3ct] P802.3ct 100G Optical Parameters
 - 5/2: http://www.ieee802.org/3/cn/public/adhoc/19_0502/index.html
 - [.3cn] comment consideration / consensus building; [.3ct] Baseline Proposal: 400GBASE-ZR Optical Specs,
 - 5/9: http://www.ieee802.org/3/cn/public/adhoc/19_0509/index.html
 - [.3cn] comment consideration / consensus building/presentation; [.3ct] Proposal for common EVM methodology

Schedule - Joint Task Force

<u>Monday</u>	<u>20-May-19</u>	<u>All</u>		
Time	Presenter	Affiliation	Title	File Name
9:00 AM	John D'Ambrosia	Futurewei, Subsidiary of Huawei	Agenda and General Information	agenda_3cnct_01_0519
9:45 AM	Pete Anslow	Ciena	P802.3cn Chief Editor's Opening Report	anslow_3cn_02_0519
10:00 AM	Break			
10:30 AM	P802.3cn Consideration of comments submitted against D2.0			
12:00 PM	Break			
1:15 PM	Tom Issenhuth	Huawei	P802.3ct Chief Editor's Report	issenhuth_3ct_01_0519
1:30 PM	Matt Schmitt	CableLabs	Data to Support 100G Optical Parameter Selection	schmitt_3ct_01_0519
2:15 PM	Peter Stassar	Huawei	Further baseline considerations and proposals for 100G and 400G DWDM Objectives	stassar_3ct_01_0519
3:00 PM	Break			
3:30 PM	Bo Zhang	Inphi	Proposal for 400GBASE-ZR DWDM Optical Specs	zhang_3ct_01_0519
4:15 PM	Ilya Lyubomirsky	Inphi	Dispersion Spec Trade-offs for 80km Objective	lyubomirsky_3ct_01_0519
5:00 PM	Pete Anslow	Ciena	P802.3ct mean time to false packet acceptance	anslow_3ct_01_0519
5:30 PM	Break for the day			

<u>Tuesday</u>	<u>21-May-19</u>	<u>All</u>		
Time	Presenter	Affiliation	Title	File Name
9:00 AM	John D'Ambrosia		Opening Comments	
9:10 AM	Discussion / Strawpolls			
10:00 AM	Lunch			
10:30 AM	Discussion, Strawpolls			
12:00 PM	Break			
6:00 PM	Adjourn			

Schedule IEEE P802.3cn Task Force Meeting

<u>Tuesday</u>	<u>21-May-19</u>	<u>P802.3cn</u>			
Time	Presenter	Affiliation	Title	File Name	Duration
1:00 PM	John D'Ambrosia	Futurewei, Subsidiary of Huawei	Agenda and General Information	agenda_3cnct_01_0519	0:15
1:15 PM	Motions				0:15
1:30 PM	Pete Anslow	Ciena	P802.3cn Chief Editor's Closing Report	anslow_3cn_03_0519	0:15
1:45 PM	Closing Business				0:15
2:00 PM	Break				0:20
P802.3cn TF Meeting may reconvene if necessary					
6:00 PM	Adjourn				0:20

Schedule IEEE P802.3ct Task Force Meeting

Tuesday

21-May-19

P802.3ct

Time	Presenter	Affiliation	Title	File Name
2:00 PM	John D'Ambrosia	Futurewei, Subsidiary of Huawei	Agenda and General Information	agenda_3ct_01_0319
2:15 PM	Presentations / Discussion / Strawpolls			
3:00 PM	Break			
3:20 PM	Motions			
5:30 PM	Closing Business			
6:00 PM	Adjourn			

Future Meetings

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

- July 2019
 - Week of July 15th
 - Austria Congress Centre
 - Vienna, Austria
- Sept 2019
 - Week of Sept 9th
 - Location / Venue TBD
 - Indianapolis, IN, USA
- Nov 2019
 - Week of Nov 11th
 - Hilton Waikoloa Village
 - Waikoloa Village, HI, USA
- Jan 2020
 - Week of Jan 20th
 - Geneva, CH
- Mar 2020
 - Week of March 16th
 - Hilton Atlanta
 - Atlanta, GA, USA

Thank You!