

Agenda and General Information

IEEE P802.3bs
200GbE and 400GbE
Task Force

John D'Ambrosia
Futurewei, a subsidiary of Huawei

IEEE 802.3 Sept 2017 Interim
Charlotte, NC, USA

Agenda

- Welcome and Introductions
- Approve Agenda
- Participation in IEEE 802 Meetings
- Attendance
- Approve July 2017 Plenary Minutes
- D3.3 WG Ballot Summary
- Goals for this meeting
- Project Information
- Patent Policy
- Ground Rules
- IEEE
 - Structure
 - Bylaws and Rules
 - IEEE 802.3 Standards Process
- Liaisons & Communications
- Ad Hocs
- Chief Editor's Opening Report
- Task Force Comment Resolution
- Track & Chief Editor Closing Reports
- Motions and Closing Business
- Future Meetings

Task Force Decorum



- Photography or recording by permission only (2016 SASB Op Manual 5.3.3.2)
- Cell phone ringers off
- Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (5.3.3.3)
- 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 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>)

Attendance

- Tutorial Material on attendance tool
 - 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.

Minutes Approval

- July 2017 Plenary Minutes-
 - http://www.ieee802.org/3/bs/public/17_07/minutes_3bs_0717_unapproved.pdf

3rd Recirculation Sponsor Ballot (D3.3) Summary

- 134 Voters
- 113 Approve
- 2 Disapprove
- 4 Abstain
- 119 Ballots returned

- 88.81% Response Rate ($\geq 75\%$ required)
- 3.36% Abstain Rate ($< 30\%$ required)
- 98.26% Approval Rate ($\geq 75\%$ required)

- Thanks to everyone who participated

Meeting Week Plan

- ❖ Goals for the meeting
 - ❖ Consider Sponsor Ballot comments received against D3.3,
 - ❖ Approve generation of D3.4 for Sponsor Ballot Recirculation
 - ❖ Request Conditional Approval to submit to RevCom
 - ❖ Consider communications from OIF
- ❖ Big ticket items to address
 - ❖ Comment Resolution

IEEE P802.3bs Task Force

Project information

- Task Force Organization
 - John D'Ambrosia, IEEE P802.3bs Task Force Chair
 - Pete Anslow, IEEE P802.3bs Task Force Chief Editor, Clauses FM, 00, 1, 4, 30, 45, 78, 116, A, 4A, 31B, 90, 93A, 120B, 120C Editor
 - Mark Gustlin, Clause 117, 118, 119, 119A Editor
 - Jonathan King, Clause 123 Editor
 - Andre Szczepanek, Annexes 120D, 120E
 - Peter Stassar, Clause 121, 122, 124 Editor
 - Steve Trowbridge, Clause 120, 120A Editor
- Task force web and reflector information
 - Reflector: <http://www.ieee802.org/3/400GSG/reflector.html>
 - Home page: <http://www.ieee802.org/3/bs/index.html>
 - PAR: http://www.ieee802.org/3/bs/PAR_P802.3bs_16_0516.pdf
 - CSD: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0057-00-ACSD-802-3bs.pdf>
 - Objectives: http://www.ieee802.org/3/bs/Objectives_16_0317.pdf
 - Timeline http://www.ieee802.org/3/bs/timeline_3bs_0915.pdf
 - Ad Hoc page <http://www.ieee802.org/3/bs/public/adhoc/index.shtml>

Private Area

- URL: <http://www.ieee802.org/3/bs/private/index.html>
 - Username: xxxxxx
 - Password: xxxxxx
- Write it down...
- Note - The draft, and any other 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.

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:
 - The 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 the IEEE is not aware. Additionally, neither the 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, Patents, and Duty to Inform

All participants in this meeting have certain obligations under the IEEE-SA Patent Policy.

- Participants [Note: Quoted text excerpted from IEEE-SA Standards Board Bylaws subclause 6.2]:
 - “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
 - “Should inform the IEEE (or cause the IEEE to be informed)” of the identity of “any other holders of potential Essential Patent Claims” (that is, third parties that are not affiliated with the participant, with the participant’s employer, or with anyone else that the participant is from or otherwise represents)
- The above does not apply if the patent claim is already the subject of an Accepted Letter of Assurance that applies to the proposed standard(s) under consideration by this group
- Early identification of holders of potential Essential Patent Claims is strongly encouraged
- No duty to perform a patent search

Patent Related Links

All participants should be familiar with their obligations under the IEEE-SA Policies & Procedures for standards development.

Patent Policy is stated in these sources:

IEEE-SA Standards Boards 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 or visit <http://standards.ieee.org/about/sasb/patcom/index.html>

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

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:
 - Either speak up now 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
 - Cause an LOA to be submitted

Other Guidelines for IEEE WG Meetings

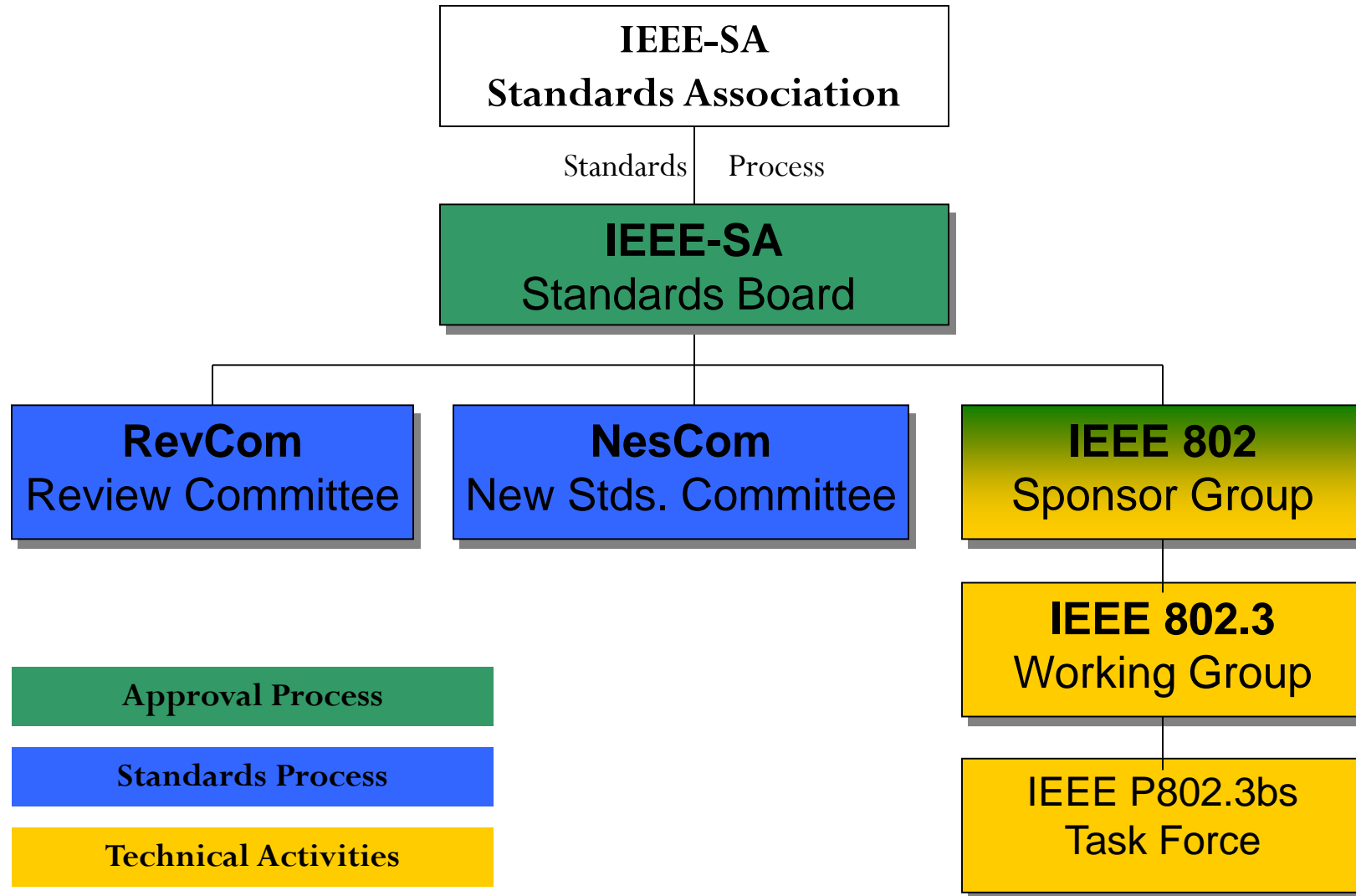
- **All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.**
 - **Don't discuss the interpretation, validity, or essentiality of patents/patent claims.**
 - **Don't discuss specific license rates, terms, or conditions.**
 - Relative costs, 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.**

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.

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

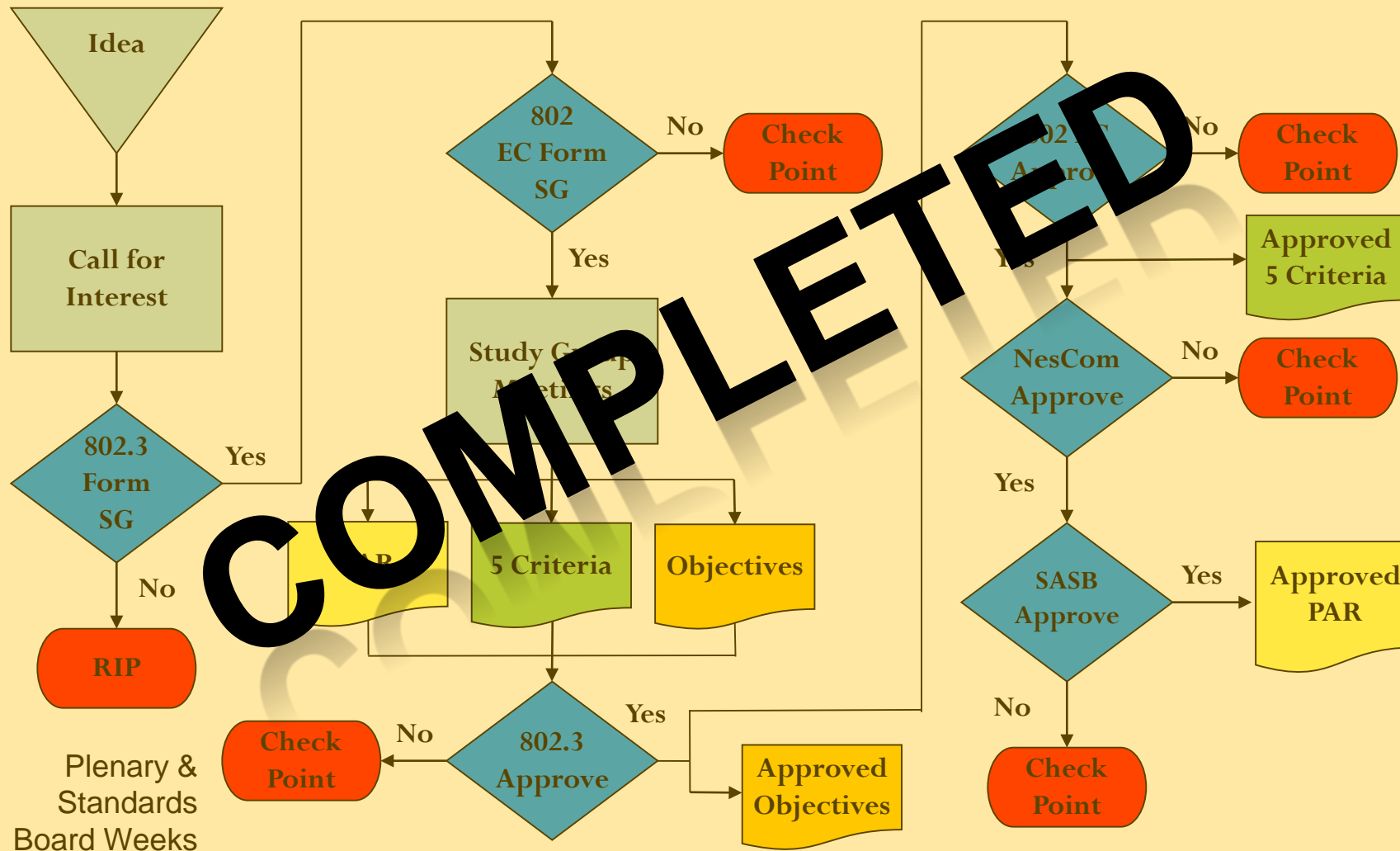
IEEE Structure



Important Bylaws, Rules, & References

- **IEEE-SA Operations Manual**
<http://standards.ieee.org/sa/sa-om.pdf>
- **IEEE-SA Standards Board Bylaws**
<http://standards.ieee.org/guides/bylaws/sb-bylaws.pdf>
- **IEEE-SA Standards Board Operations Manual**
<http://standards.ieee.org/guides/opman/sb-om.pdf>
- **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://ieee802.org/PNP/approved/IEEE_802_OM_v19.pdf
- **IEEE 802 LAN/MAN Standards Committee (LMSC) Working Group (WG) Policies and Procedures**
<http://standards.ieee.org/about/sasb/audcom/pnp/LMSC.pdf>
- **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>

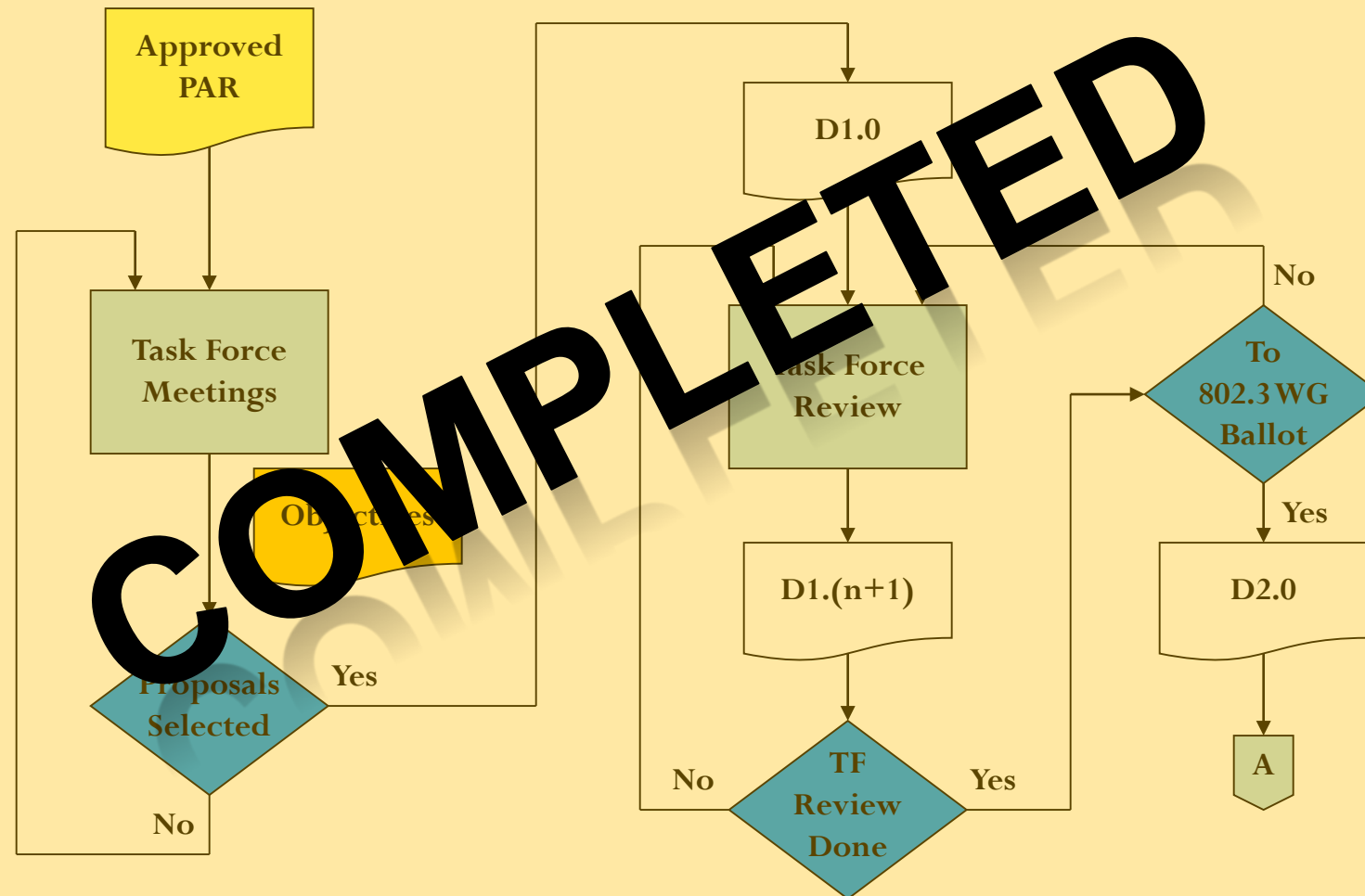
Overview of IEEE 802.3 Standards Process (1/5)- Study Group Phase



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

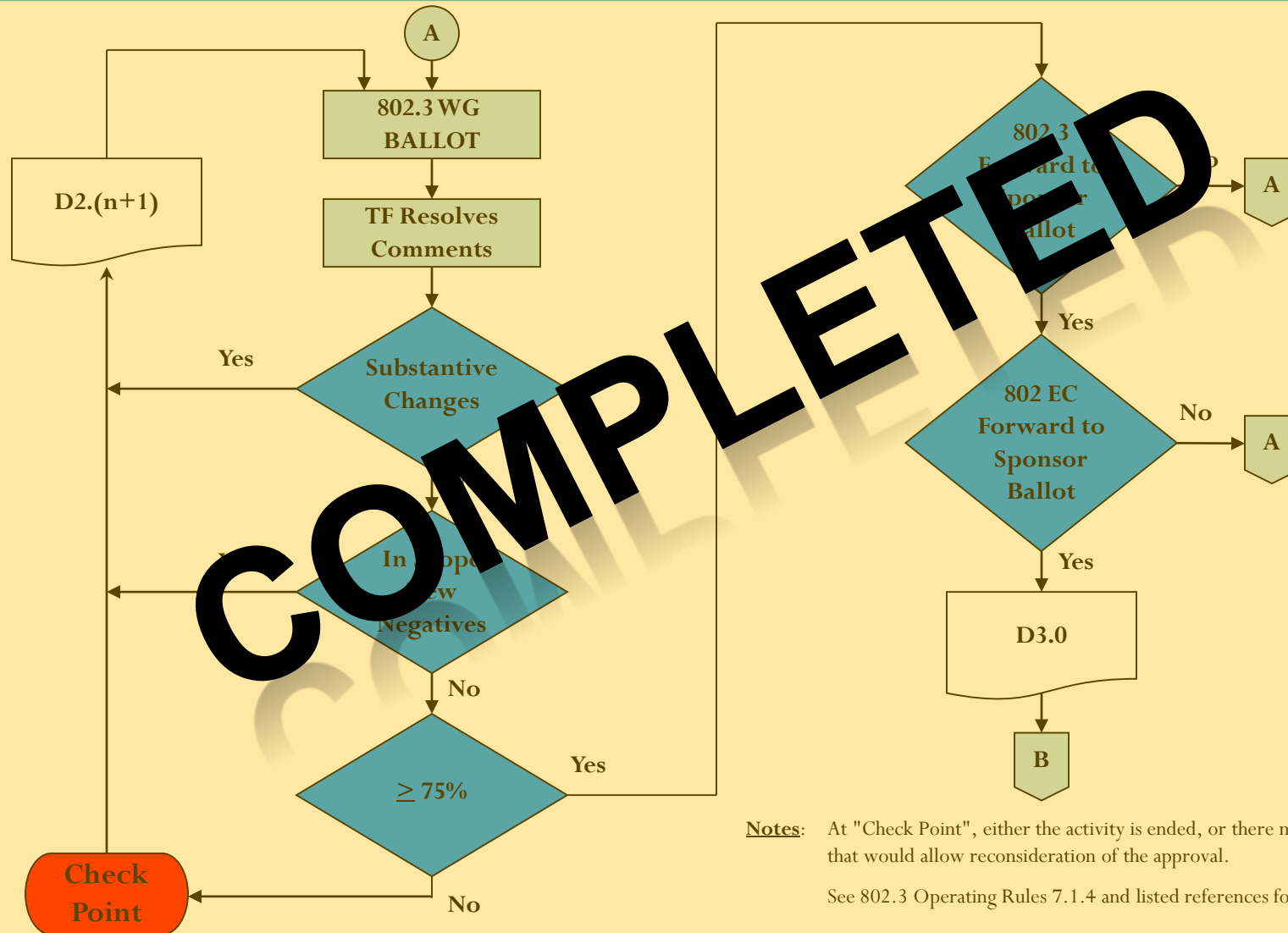
COMPLETED

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



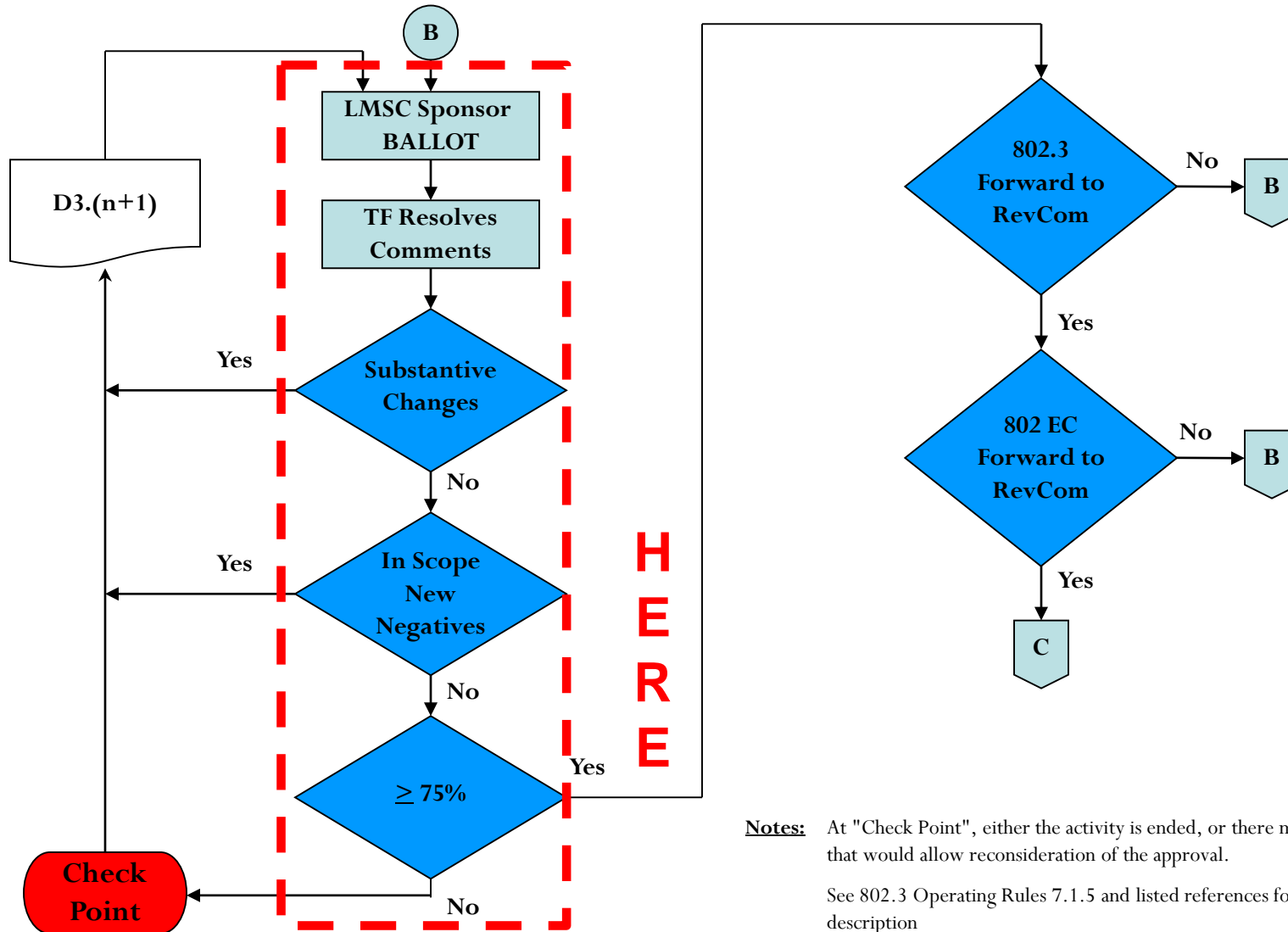
COMPLETED

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

IEEE-SA OPS Manual -

5.4.3.5 Completion of the standards balloting process and submittal to RevCom

- **A minimum of 75%** of those voting Approve or Do Not Approve (Negative with comment) must approve the draft in order to submit the ballot result to the IEEE-SA Standards Board. In the event that 30% or more of the returned ballots are Abstentions, the standards balloting process shall be considered invalid.
- In the event that a 75% return cannot be obtained, the standards balloting process is considered to have failed and further disposition of the proposed standard shall be the responsibility of the Sponsor.
- Once all required recirculations have been completed and 75% approval has been achieved, the IEEE requirements for consensus have been met. **Efforts to resolve Do Not Approve votes may continue for a brief period; however, if such resolution is not possible in a timely manner, the Sponsor should forward the submittal to RevCom because the IEEE has an obligation to the majority to review and publish the proposed standard quickly.**
- Copies of all unresolved Do Not Approve votes, together with the reasons given by the Do Not Approve voters and the responses by the Sponsor, shall be included with the ballot results submitted to RevCom.
- The Sponsor shall, if not included in a recirculation package, provide to the Do Not Approve voter and to RevCom an explanation why any comments associated with a Do Not Approve vote were not required to be recirculated. In order for a Do Not Approve vote to be changed to an Approve or Abstain vote, the Sponsor shall obtain and provide to RevCom written confirmation from each voter (by letter, fax, or electronic mail) that indicates concurrence with any change of his or her vote. Any Do Not Approve vote with comment that RevCom is asked to consider as a Do Not Approve (Negative without comment) shall be explained to RevCom.

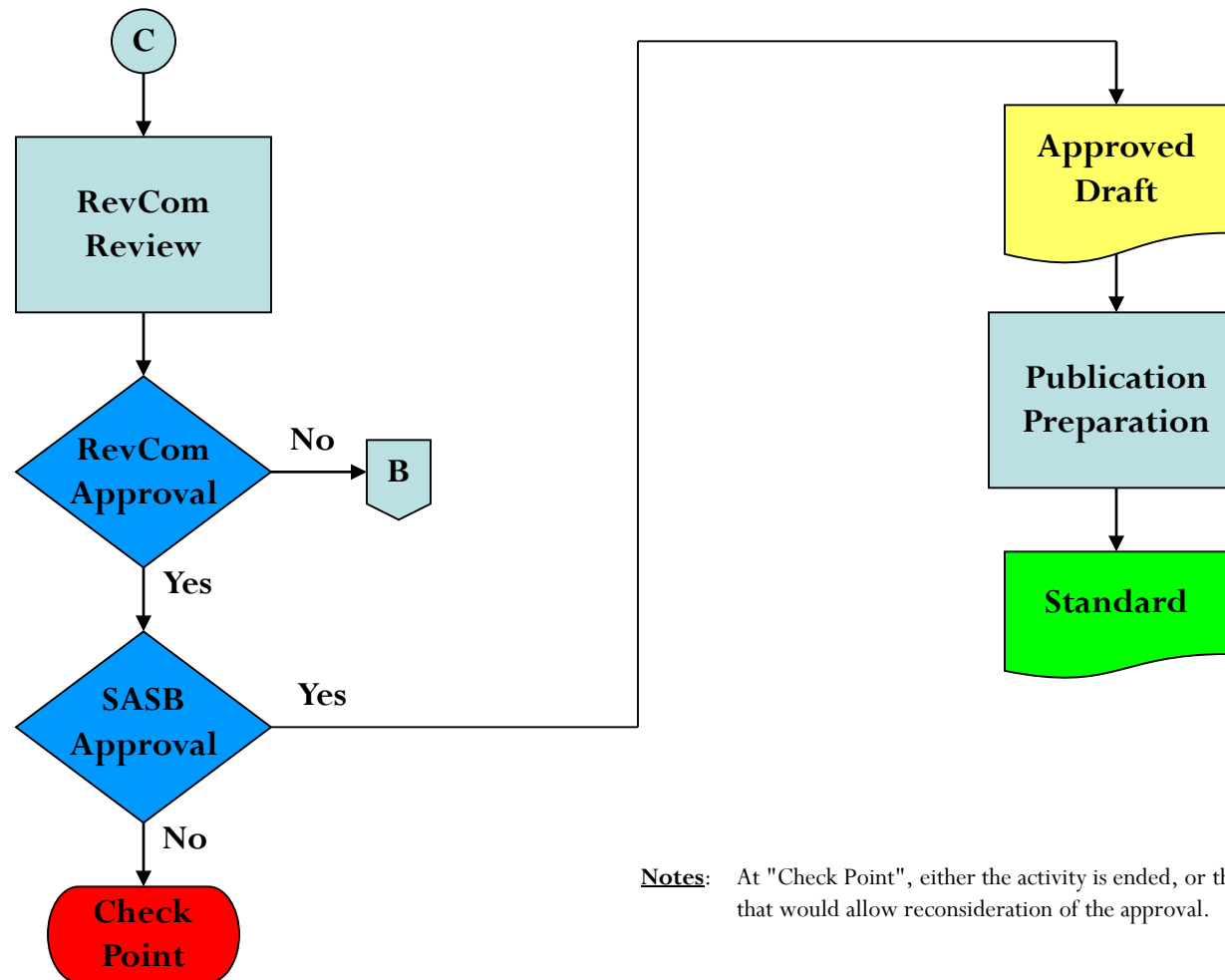
http://standards.ieee.org/develop/policies/opman/sb_om.pdf

RevCom - Acceptable Responses For Rejection

- **The CRG disagrees with the comment**
- **The comment is out of scope**
- **The proposed change in the comment does not contain sufficient detail so that the CRG can understand the specific changes that satisfy the commenter**
- **The CRG cannot come to a consensus to make changes necessary to address the comment**
- **The comment is in support of an unsatisfied previous comment associated with a disapprove vote and does not provide substantive additional rationale**
- The comment includes an attachment that does not meet the criteria indicated by the myBallot system; that the CRG cannot address as a single issue; or that does not relate to a specific line, paragraph, figure, or equation in the balloted draft
- **The commenter has indicated to the CRG chair that they wish to withdraw the comment**

Sources: <http://standards.ieee.org/about/sasb/revcom/guidelines.pdf>

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.

Liaisons and Communications

- OIF –
 1. [OIF to IEEE P802.3bs on FlexE 2.0 IA](#)
 - [Attachment](#) (802.3 Password Protected)
 2. [OIF to IEEE P802.3bs and P802.3cd regarding progress on CEI-56G-MR-PAM and CEI-56G-LR-PAM projects](#)
 - [Attachment 1](#) (802.3 Password protected)
 - [Attachment 2](#) (802.3 Password protected)

Ad Hoc

- Webpage: Ad Hoc
 - <http://www.ieee802.org/3/bs/public/adhoc/index.shtml>
- Ad Hoc
 - Logic, Chair – Mark Gustlin
 - No Meetings
 - SMF, Chair – Pete Anslow
 - Meetings – 7/25, 8/1, 8/8, 8/22
 - Report - anslow_3bs_02_0917.pdf
 - MMF, Chair – Jonathan King
 - No Meetings
 - Electrical Interface, Chair - Andre Szczepanek
 - Meetings - 7/24, 8/28, 9/7
 - Report - szczepanek_3bs_01_0917.pdf

Schedule

All times and order listed are subject to change.

Monday	Presenter	Employer / Affiliation	Title	Filename
8:00 AM	John D'Ambrosia	Futurewei, subsidiary of Huawei	Agenda and General Information	agenda_3bs_01_0917.pdf
8:30 AM	Pete Ansow	Ciena	Chief Editor's Opening Report	anslow_3bs_01_0917.pdf
8:40 AM	Task Force Comment Review			
10:00 AM	Break			
10:20 AM	Task Force Comment Review Continues			
12:00 PM	Lunch			
1:00 PM	Task Force Comment Review Continues			
3:00 PM	Break			
3:20 PM	Task Force Comment Review Continues			
???	Closing Business			
When Done	Adjourn			

Future Meetings

- See: <http://www.ieee802.org/3/interims/index.html>
- Oct 9, 2017 Teleconference
 - Details to be announced
- Nov 2017 Plenary
 - Week of Nov 6
 - Orlando, FL, USA

Thank You!