

Agenda and General Information

IEEE P802.3bs 400GbE Task Force

John D'Ambrosia

Futurewei, a subsidiary of Huawei

IEEE 802 Jan 2016 Interim

Atlanta, GA, USA

Agenda

- Welcome and Introductions
- Approve Agenda
- Approve Nov 2015 Plenary Minutes
- Goals for this meeting
- Project Information
- Patent Policy
- Ground Rules
- IEEE
 - Structure
 - Bylaws and Rules
 - Guidelines for IEEE-SA Meetings
 - IEEE Standards Process
- Liaisons & Communications
- Ad Hoc
- Chief Editor's Opening Report
- Task Force Comment Resolution
- Logic / Optical / Electrical Interface Tracks
 - Comment Resolution / Technical Presentations
- Task Force Comment Resolution Continues (if necessary)
- Track & Chief Editor Closing Reports
- Motions and Closing Business
- Future Meetings
- Joint Session with IEEE 802.3 50GbE and NG0ATH Study Groups (discussion, strawpolls, motions)

Task Force Decorum



- Photography or recording by permission only (2010 SASB Op Manual 5.3.3.4)
- Cell phone ringers off
- Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (5.3.3.5)
- 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

Attendance

- Tutorial Material on attendance tool
 - http://www.ieee802.org/3/minutes/mar15/0315_imat.pdf
- Attendance books
 - Keeps track of attendance in room
 - Used to support requests to verify attendance by chair if IMAT not used.

Goals for the meeting week

- Respond to 156 Comments against D1.1
- 17 Technical Presentations
- Approve generation of D1.2
- Liaisons & Communications
 - Consideration of OIF Liaison
 - ITU-T – Draft 1.2
 - Consideration of COBO Communication – Draft 1.2
- Joint session (Fri 8am to 10am) with IEEE 802.3 50GbE and NGOATH Study Groups – Update

IEEE P802.3bs 400GbE 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, 93A, 120B, 120C Editor
 - Mark Gustlin, Clause 117, 118, 119 Editor
 - Jonathan King, Clause 121 Editor
 - Andre Szczepanek, Annexes 120D, 120E
 - Peter Stassar, Clause 122, 123 Editor
 - Steve Trowbridge, Clause 120, 120A Editor
- Task force web and reflector information
 - Reflector information: <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_14_0612.pdf
 - CSD (including 5C): http://www.ieee802.org/3/bs/CSD_400_14_0121.pdf
 - Objectives: http://www.ieee802.org/3/bs/Objectives_14_0320.pdf
 - Approved 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

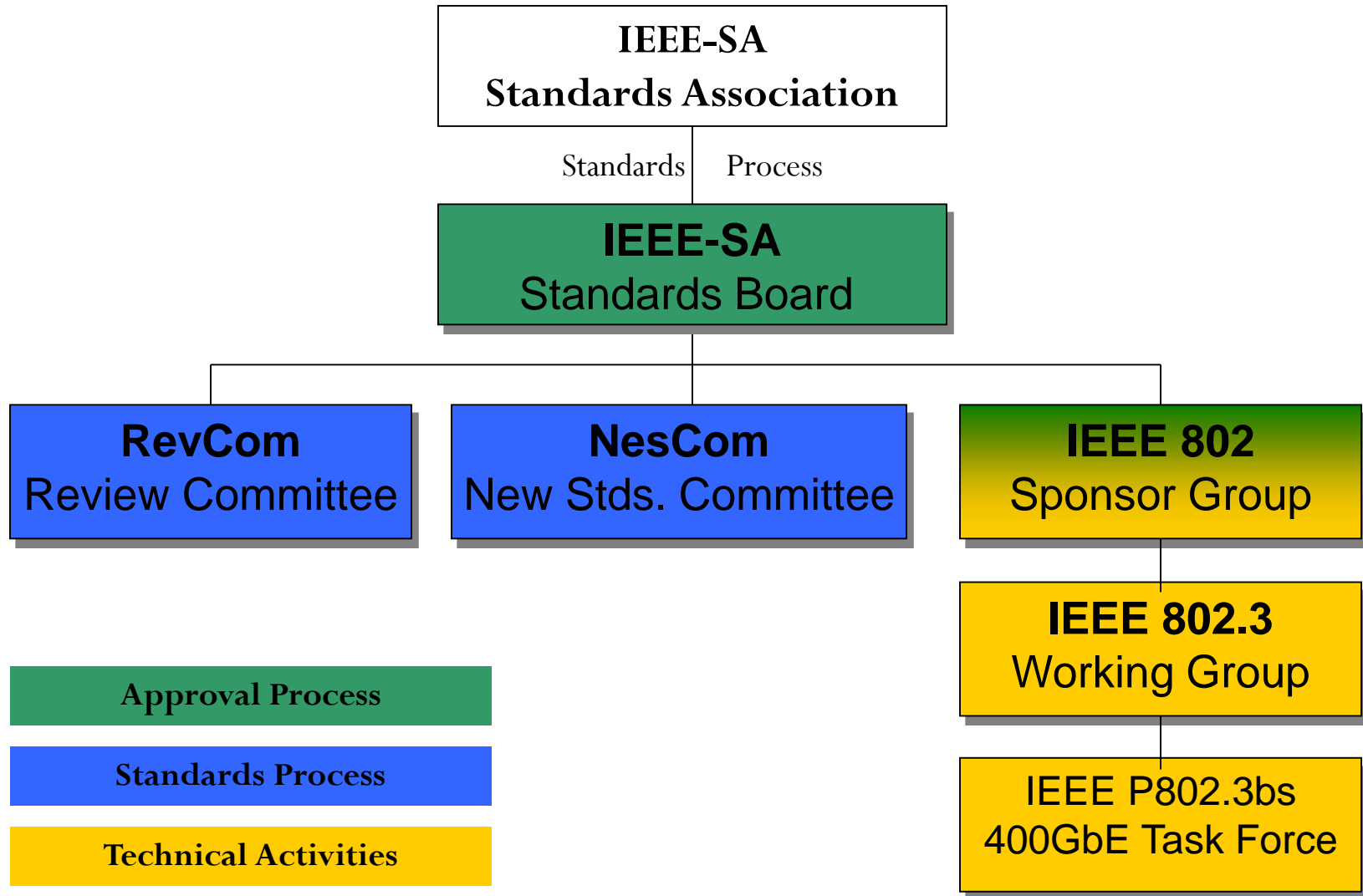
- **All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.**
 - **Don't discuss the interpretation, validity, or essentiality of patents/patent claims.**
 - **Don't discuss specific license rates, terms, or conditions.**
 -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

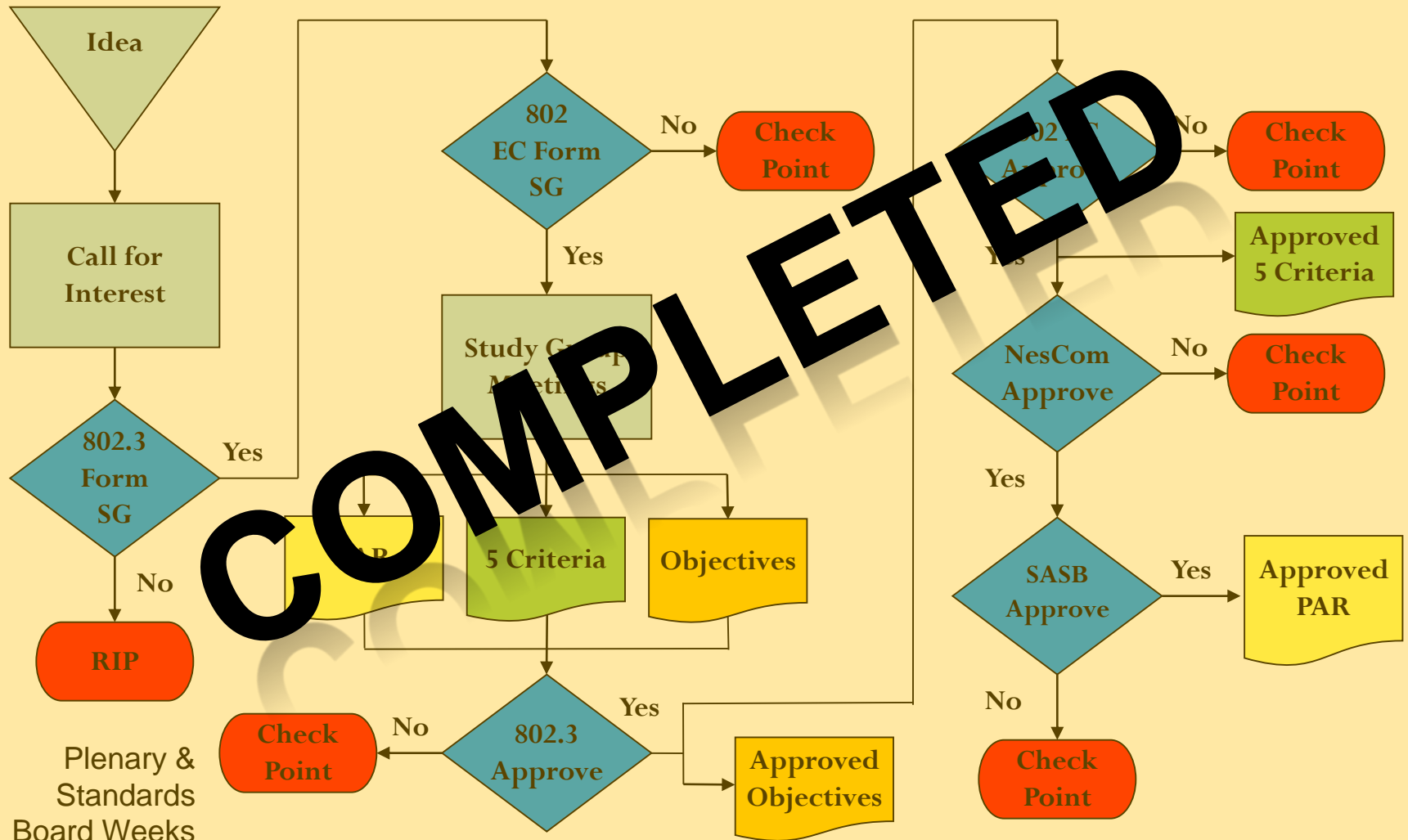
IEEE Structure



Important Bylaws, Rules, & References

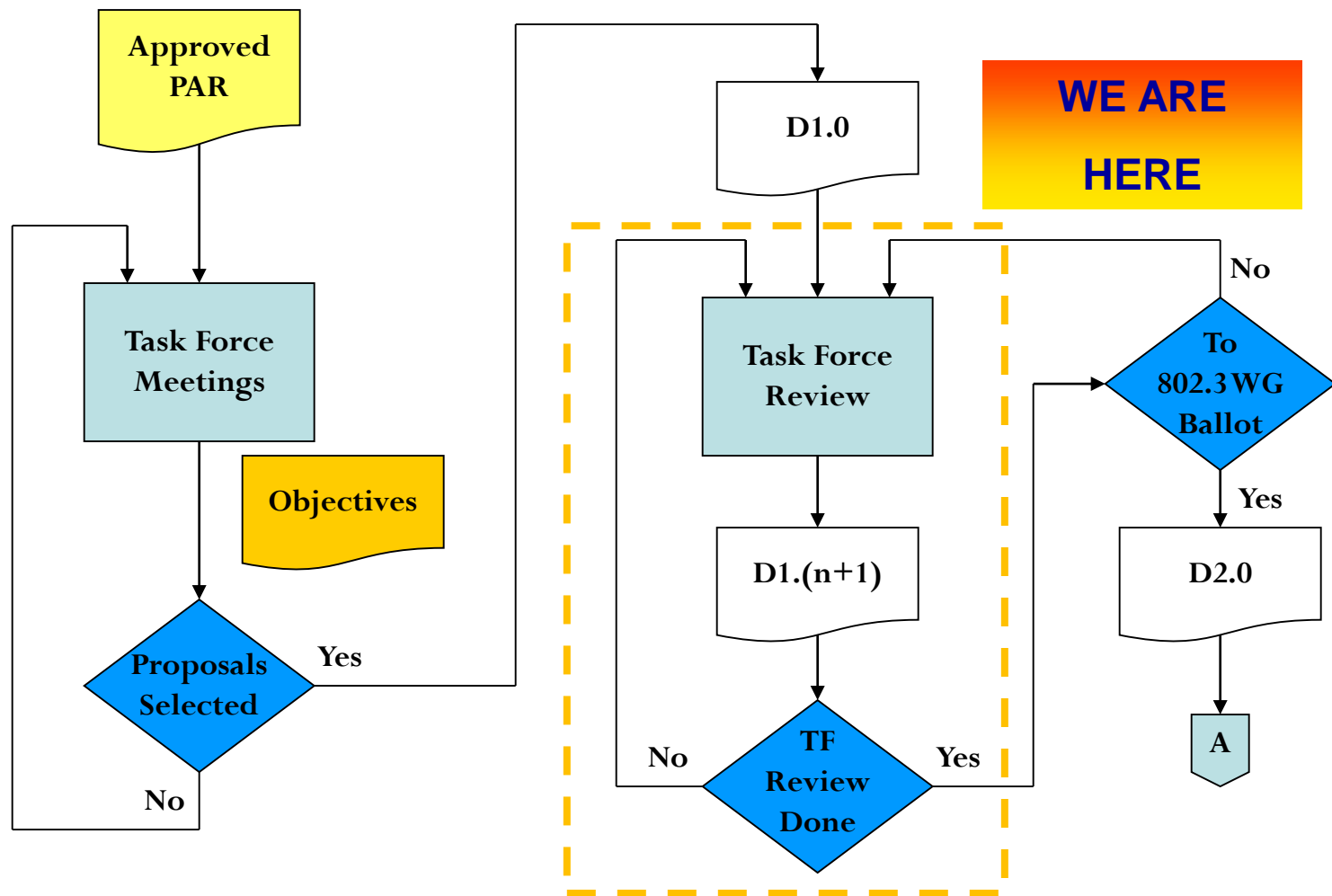
- **IEEE-SA Operations Manual**
<http://standards.ieee.org/sa/sa-om.pdf>
- **IEEE-SA Standards Board Bylaws**
<http://standards.ieee.org/guides/bylaws/sb-bylaws.pdf>
- **IEEE-SA Standards Board Operations Manual**
<http://standards.ieee.org/guides/opman/sb-om.pdf>
- **IEEE 802 LAN/MAN Standards Committee (LMSC) Policies and Procedures**
<http://standards.ieee.org/about/sasb/audcom/pnp/LMSC.pdf>
- **IEEE 802 LAN/MAN Standards Committee (LMSC) Operations Manual**
http://www.ieee802.org/PNP/2010-07/IEEE_802_LMSC_OM_approved_100716.pdf
- **IEEE 802 LAN/MAN Standards Committee (LMSC) Working Group (WG) Policies and Procedures**
http://www.ieee802.org/PNP/2010-07/IEEE_802_LMSC_WG_PandP_approved_100716.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.

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



The Road to Working Group Ballot

IEEE 802.3 Operating Rules:

http://www.ieee802.org/3/rules/P802_3_rules.pdf

2.8.2 Draft Standard Balloting Requirements

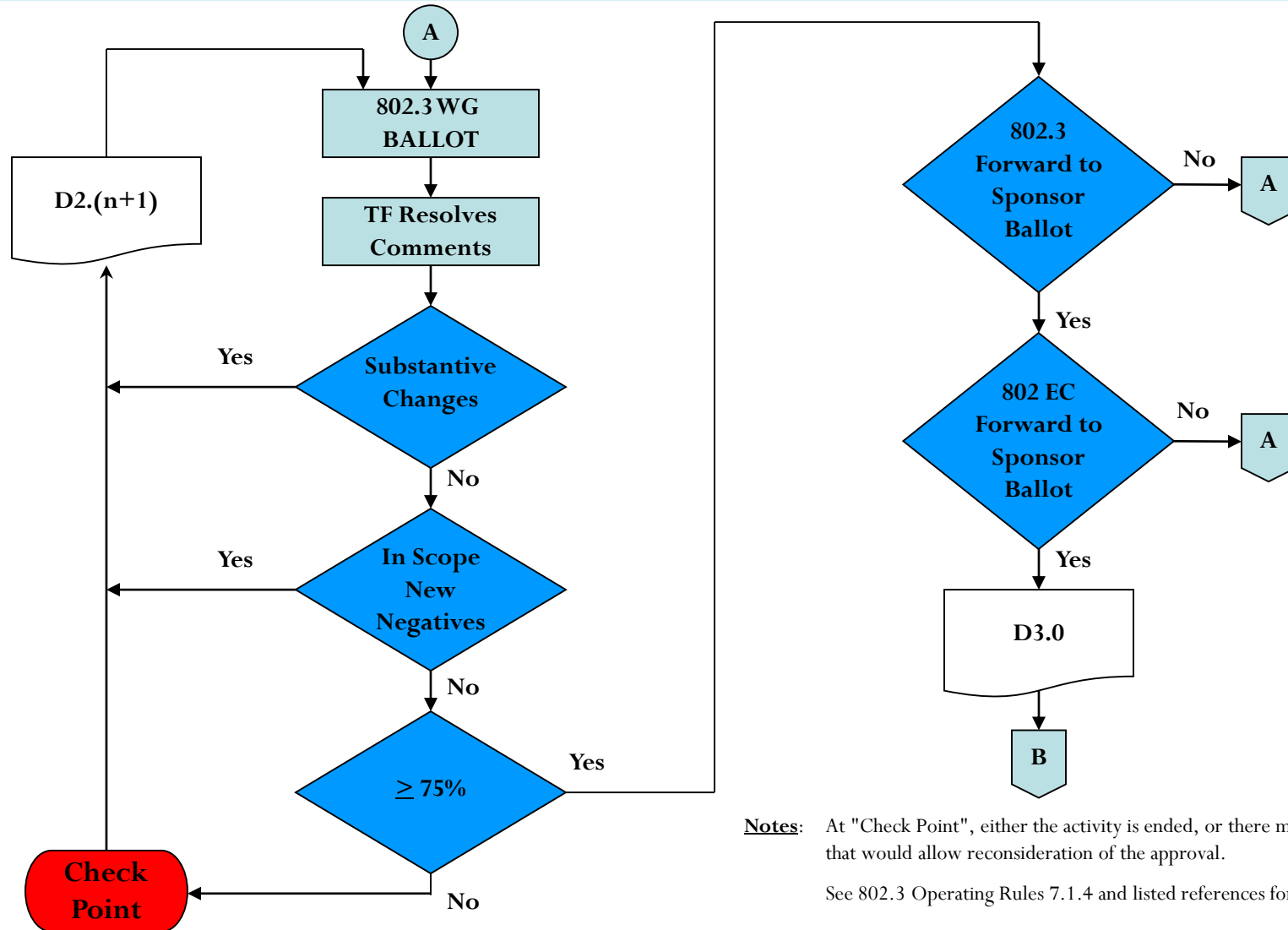
Before a draft is submitted to WG letter ballot it shall in addition have met the following requirements:

- a) It must be complete with no open technical issues.**
- b) It must be made available for pre-view by the membership at least 10 days prior to the Working Group meeting where the draft will be considered. If any changes are made to the draft after the draft was made available for pre-view the textual changes shall be presented for review immediately prior to the vote for approval to go to WG ballot.
- c) It must be formatted according to the IEEE style selected by the WG Chair. This style will be selected to minimize the editorial work required for publication of the draft.
- d) During a plenary week, it must be approved for submittal to WG ballot at the WG closing plenary.

Review of Progress

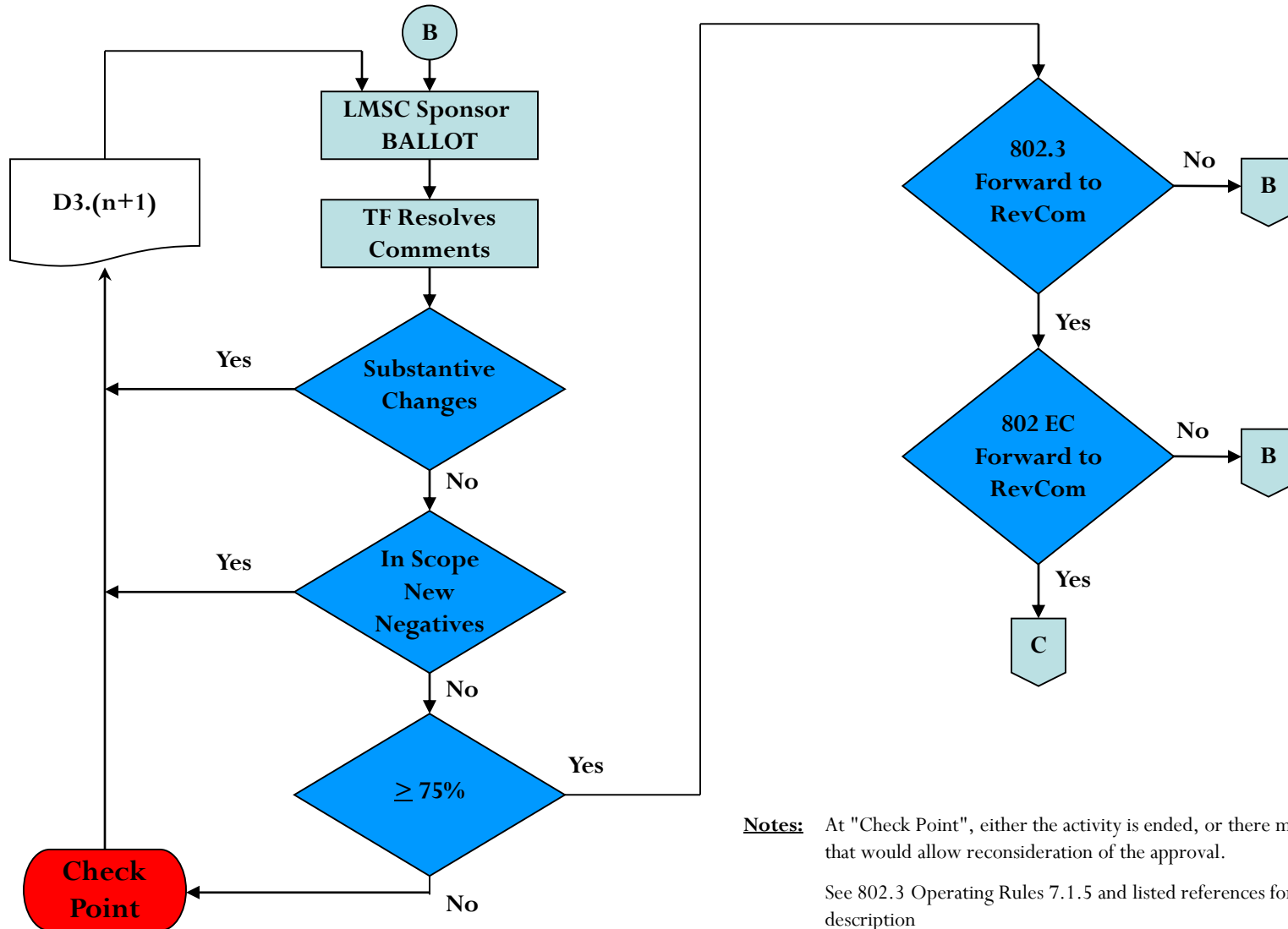
- Progress continues, challenging to assess
- Total comments decreased from 261 to 156
 - Counting “TBD”’s does not indicate the challenges in solving each TR
 - But # of TRs increased from 46 to 52
- Key “Open Questions” noted by Pete Anslow, Chief Editor
 - TDP (Transmitter and Dispersion Penalty)
 - Stressed receiver sensitivity

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

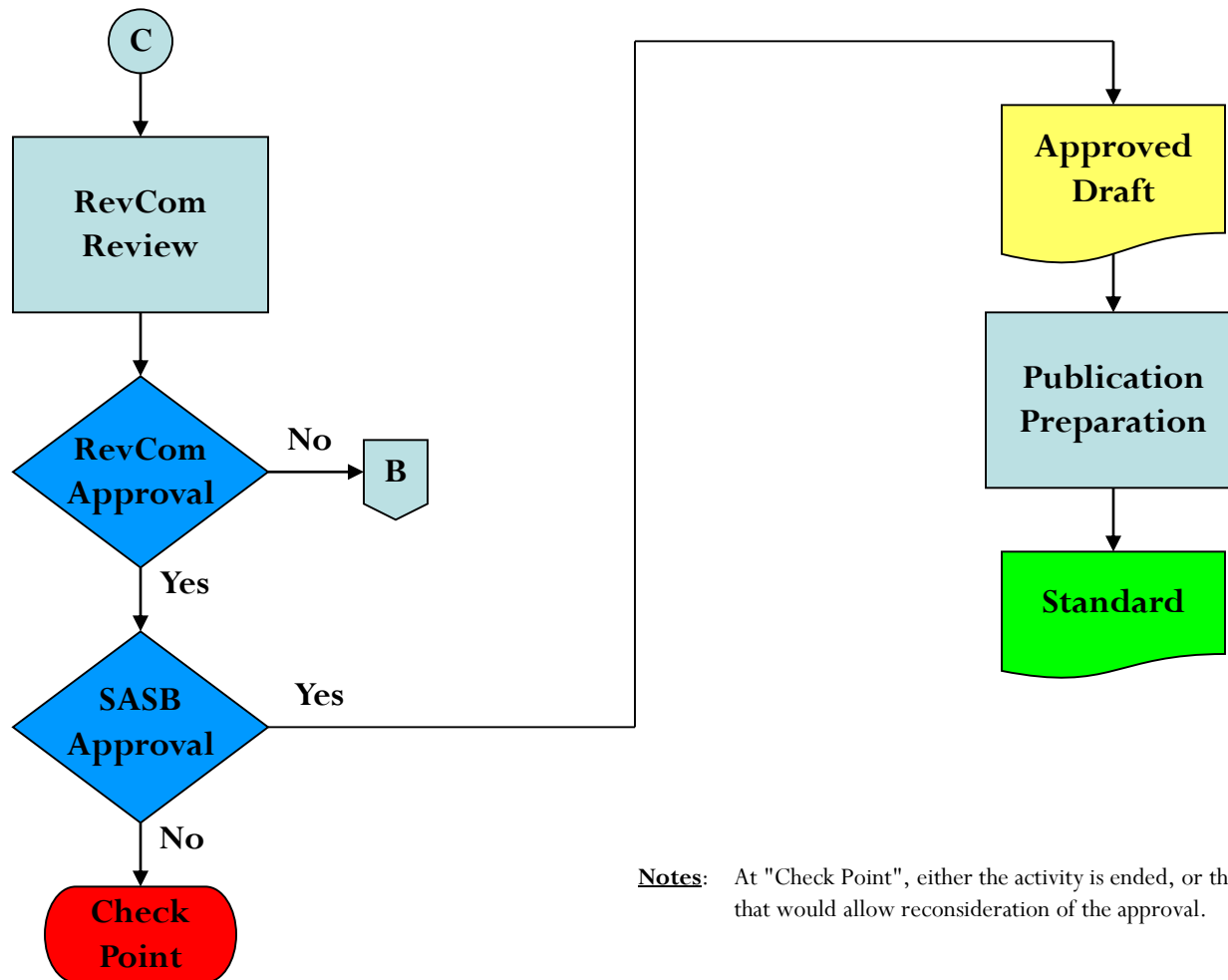
Overview of IEEE 802.3 Standards Process (4/5)- Sponsor Ballot Phase



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.

Liaisons and Communications

- OIF Communication – Progress on OIF CEI-56 Projects
- ITU-T – Draft 1.2
- Consideration of COBO Communication – Draft 1.2

Ad Hoc

- Webpage: Ad Hoc
 - <http://www.ieee802.org/3/bs/public/adhoc/index.shtml>
- Ad Hoc
 - Logic, Chair – Mark Gustlin
 - Update – http://www.ieee802.org/3/bs/public/16_01/gustlin_3bs_01_0116.pdf
 - SMF, Chair – Pete Anslow
 - Update - http://www.ieee802.org/3/bs/public/16_01/anslow_3bs_02_0116.pdf
 - MMF, Chair – Jonathan King
 - Update - http://www.ieee802.org/3/bs/public/16_01/king_3bs_01_0116.pdf
 - Electrical Interface, Chair - Andre Szczepanek
 - Update - http://www.ieee802.org/3/bs/public/16_01/szczepanek_3bs_01_0116.pdf

Meeting Map

All times and order listed are subject to change.
Check with track chairs for times.

	Mon		Tues		Wed	Thurs	Fri
8:00							
8:30	ECDC						802.3bs Joint mtg w 50G/NGOATH
9:00							
9:30							
10:00	802.3bs		802.3bs Logic*	802.3bs Optics*	802.3bs Electrical Interface*	802.3bs**	50G NGOATH SG**
10:30		802.3by**					
11:00							
11:30							
12:00	Lunch		Lunch		Lunch		Lunch
12:30							
13:00							
13:30	802.3bs		802.3bs Logic*	802.3bs Optics*	802.3bs Electrical Interface*	802.3by**	50G NGOATH SG**
14:00		25G SMF**					
14:30							
15:00							
15:30							
16:00							
16:30							
17:00							
17:30			Dinner				
18:00							
18:30					IEEE 802 Social		
19:00							
19:30							
20:00							802.3 Interim
20:30							
21:00					ECDC #2		
21:30						ECDC #3	

* - times to be announced by track chair

** - times to be announced by respective SG / TF Chair

Schedule (1 of 2)

All times and order listed are subject to change.

Mon	Time	Presenter	Affiliation	Title	File Name
	9:00 AM	John D'Ambrosia	Futurewei, subsidiary of Huawei	Agenda and General Information	agenda_3bs_01_0116.pdf
	9:40 AM	Pete Ansow	Ciena	Chief Editor's Opening Report	anslow_3bs_01_0116.pdf
	10:00 AM	Break			
	10:20 AM	Task Force Comment Review Includes presentation by Ali Ghiasi			
	12:00 PM	Lunch			
	12:00 PM	Comment Review Continues Includes Presentation by Dave Ofelt			
	3:00 PM	Break			
	3:20 PM	Comment Review Continues			
	5:30 PM	Break for Day			
Tues	8:00 AM	Comment Review per Track (Start time to be announced by Track Chair)			
	10:00 AM	Break			
	10:20 AM	Comment Review per Track Continues			
	12:00 PM	Lunch			
	1:00 PM	Comment Review per Track Continues			
	3:00 PM	Break			
	3:20 PM	Comment Review per Track Continues			
	5:30 PM	Break for Day			

Schedule (2 of 2)

All times and order listed are subject to change.

Wed	9:00 AM	John D'Ambrosia	Futurewei, subsidiary of Huawei	Opening Comments	
	9:10 AM	Task Force Comment Review (if necessary)			
	9:20 AM	Pete Anslow	Ciena	Optic Track Closing Report	anslow_3bs_04_0116.pdf
	9:35 AM	Mark Gustlin	Xilinx	Logic Track Closing Report	gustlin_3bs_05_0116.pdf
	9:50 AM	Andre Szczepanek	Inphi	Electrical Interface Track Closing Report	szczepanek_3bs_02_0116.pdf
	10:00 AM	Break			
	10:20 AM	Pete Anslow	Ciena	Chief Editor's Closing Report	anslow_3bs_04_0116.pdf
	10:35 AM	Discussion, Strawpolls, Motions			
	11:30 AM	Closing Business			
	12:00 PM	Break For Day			
Fri	8:00 AM	Mark Nowell	Cisco	Update 50G / NGOATH Study Group Update	nowell_3bs_01_0116.pdf
	8:30 AM	Discussion, Straw polls, Motions			
	10:00 AM	Adjourn			

Future Meetings

- See: <http://www.ieee802.org/3/interims/index.html>
- Mar 2016 Plenary
 - Week of Mar 18
 - Macau China
- May 2016 Interim (Hosted by Ethernet Alliance)
 - Week of May 23
 - Location Whistler, BC, CA
- July 2016 Plenary
 - Week of July 24
 - Location San Diego, CA, USA
- Sept 2016 Interim (Hosted by IXIA)
 - Week of Sept 12
 - Ft. Worth, TX, USA
- Nov 2016 Plenary
 - Week of Nov 6
 - San Antonio, TX, USA

- Anyone interested in hosting a meeting or webex contact me.

Thank You!