

# Agenda and General Information

IEEE 802.3  
400 Gb/s Ethernet Study Group

John D'Ambrosia, Dell  
Victoria, BC, Canada  
IEEE 802.3 Interim: May 17, 2013

# Agenda

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- Appoint Reporting Secretary
- Confirmation of Chair
- Welcome and Introductions
- Approve Agenda
- Goals for this meeting
- Reflector and Web
- Ground Rules
- IEEE
  - Structure
  - Bylaws and Rules
  - Guidelines for IEEE-SA Meetings
  - IEEE Standards Process
- Presentations
- Discussion, Straw Polls, Motions
- Closing Business
  - Liaisons and Communications
- Future Meetings
  
- Thanks to the Ethernet Alliance for Hosting our Interim

# 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

# Goals for the meeting week

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- Overview of Process
- Hear presentations related to Objectives and 5 Criteria
- Start developing consensus on Objectives
- 3 Informal Communications – ITU-T, OIF, Euro-IX
- Lay the ground work for the next meeting

# Reflector and Web

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- To subscribe to the 100GCU 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-802-3-400G <yourfirstname> <yourlastname>  
end*

- Send 400G reflector messages to:

[STDS-802-3-400G@listserv.ieee.org](mailto:STDS-802-3-400G@listserv.ieee.org)

- Task Force web page URL:

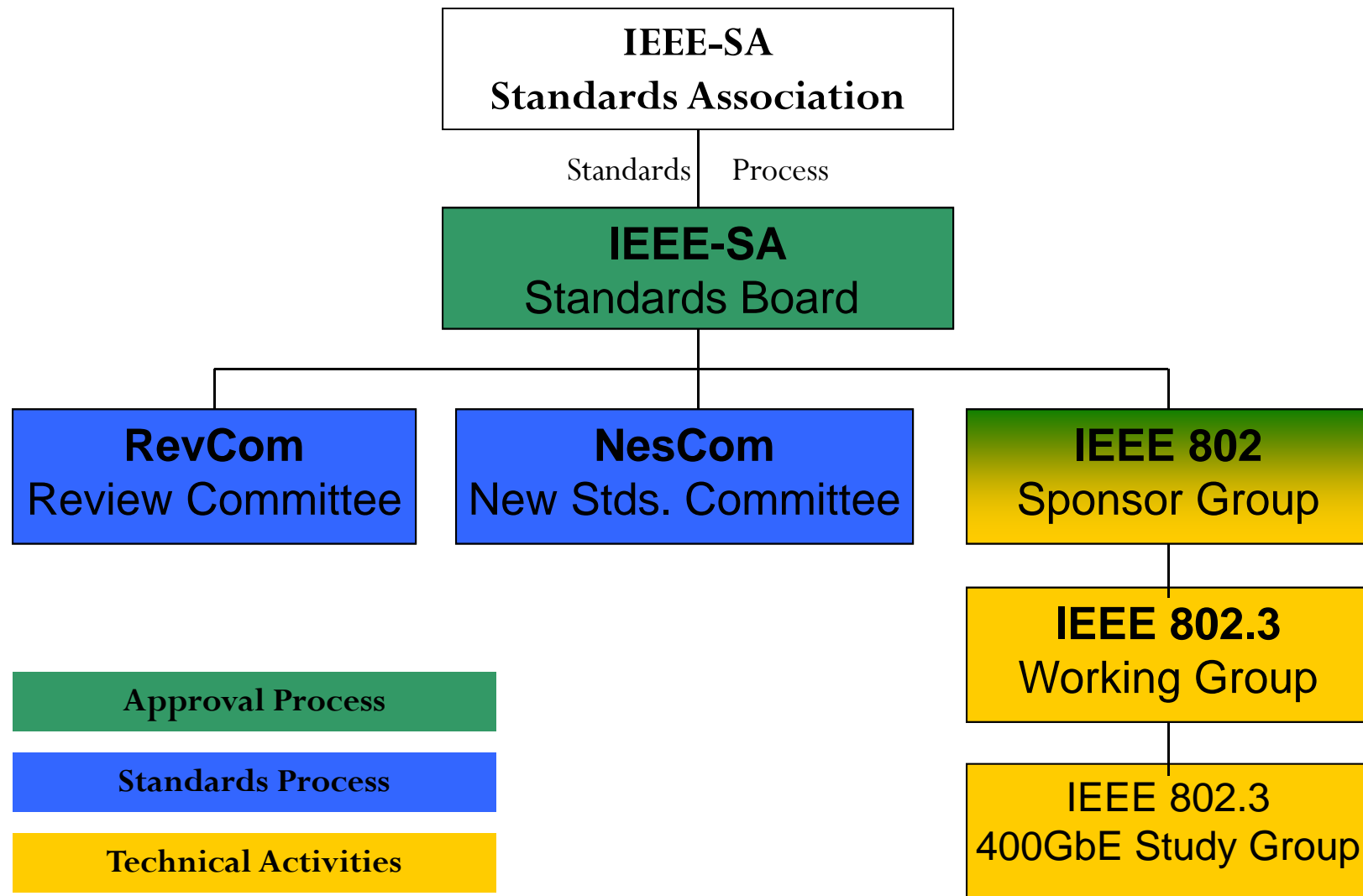
<http://www.ieee802.org/3/400GSG/index.html>

# 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, Rules, & References

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- 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](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](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](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>



# **Guidelines for IEEE-SA Meetings**

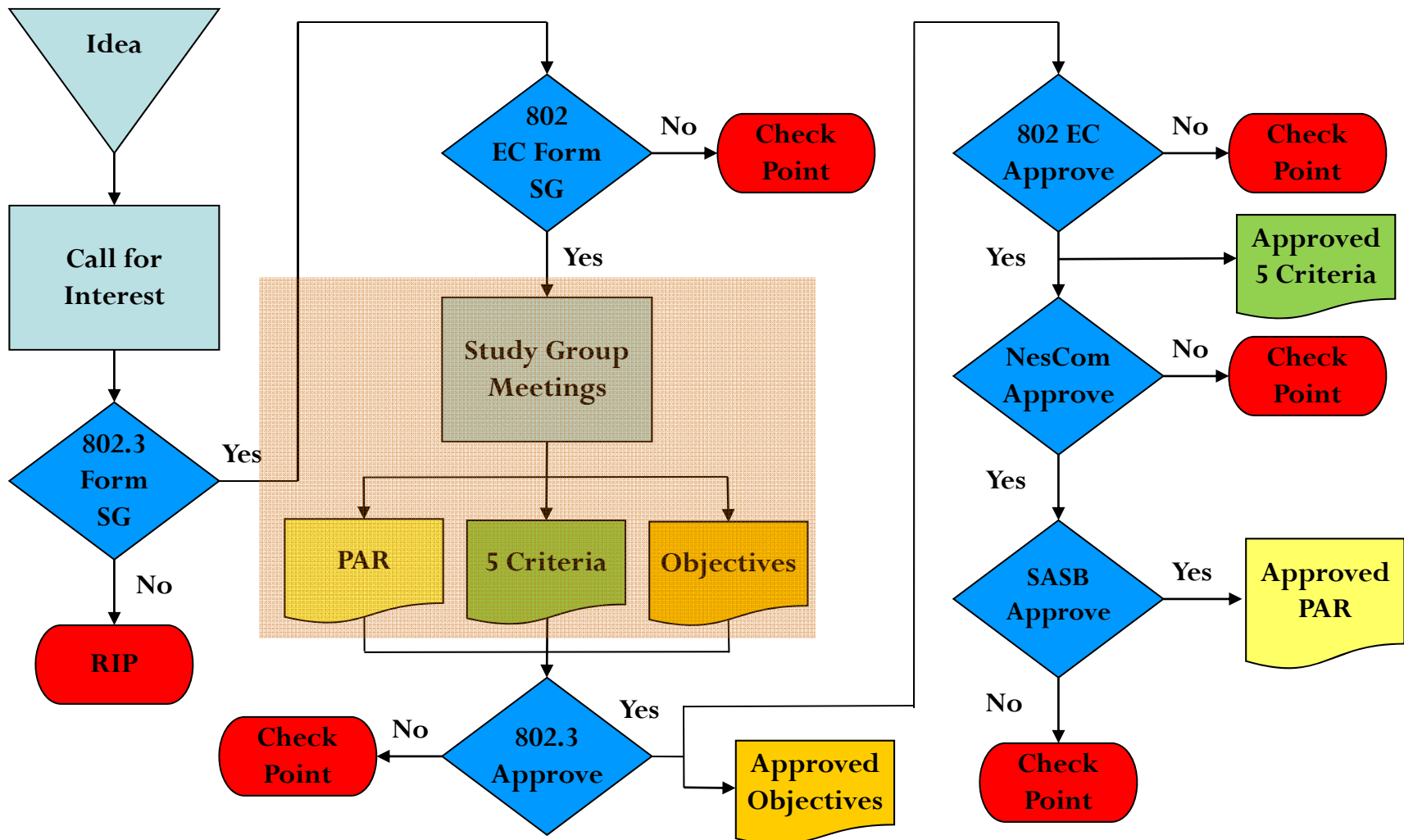
- All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.
- Don't discuss the interpretation, validity, or essentiality of patents/patent claims.
- Don't discuss specific license rates, terms, or conditions.
  - Relative costs,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

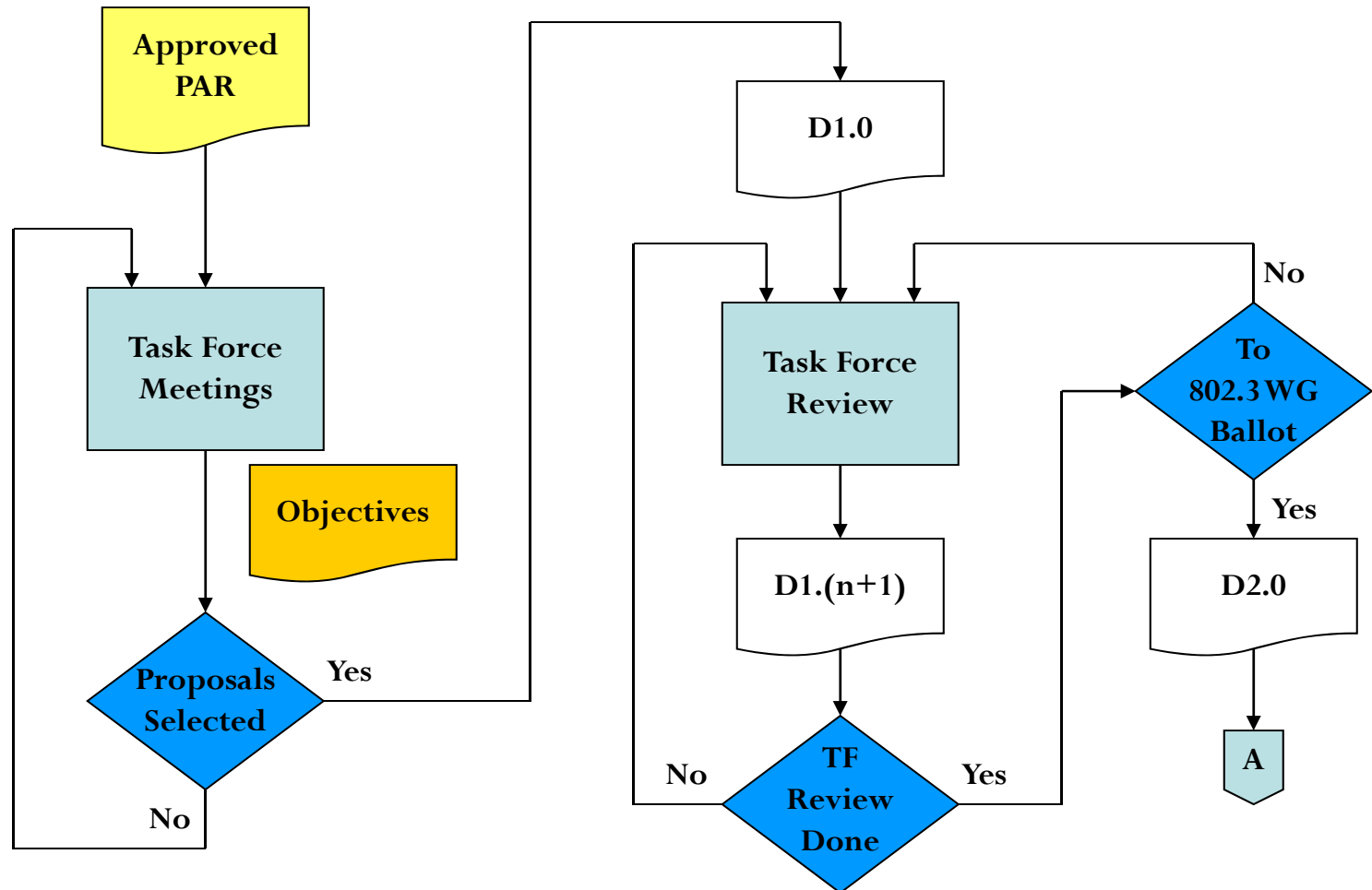
This slide set is available  
at <https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.ppt>

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

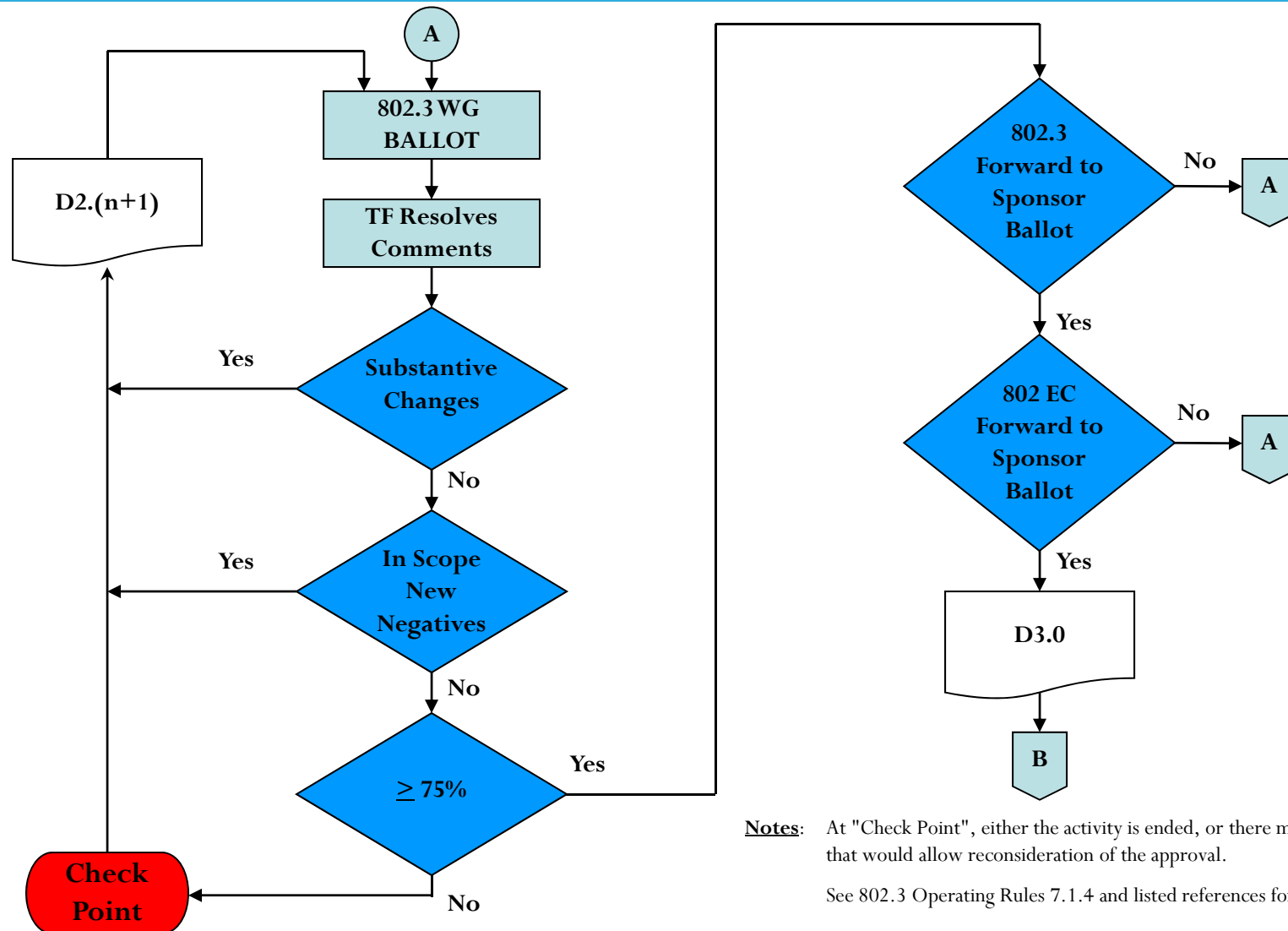


Note: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

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



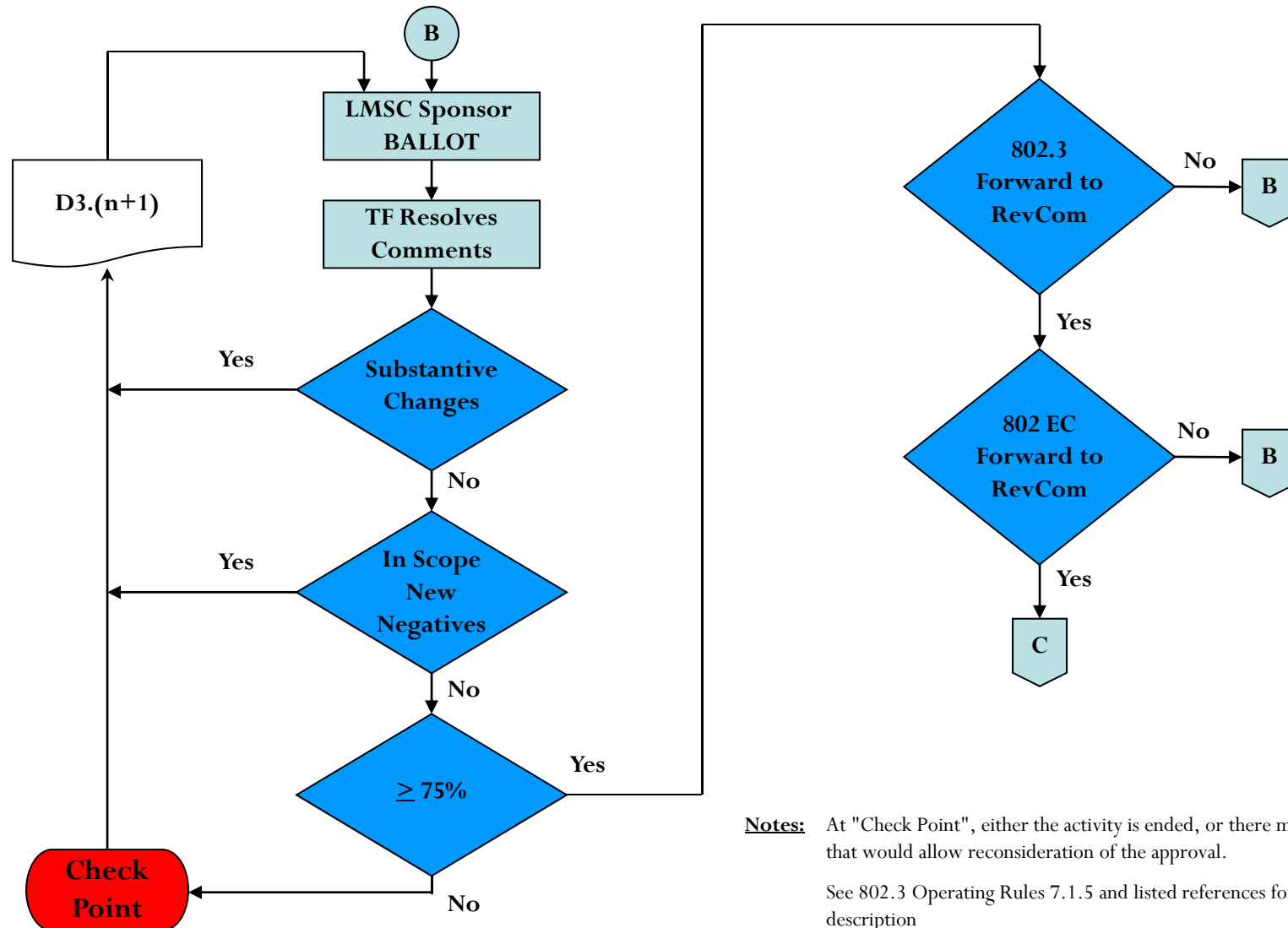
# Overview of IEEE 802.3 Standards Process (3/5) – Working Group Ballot Phase



**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

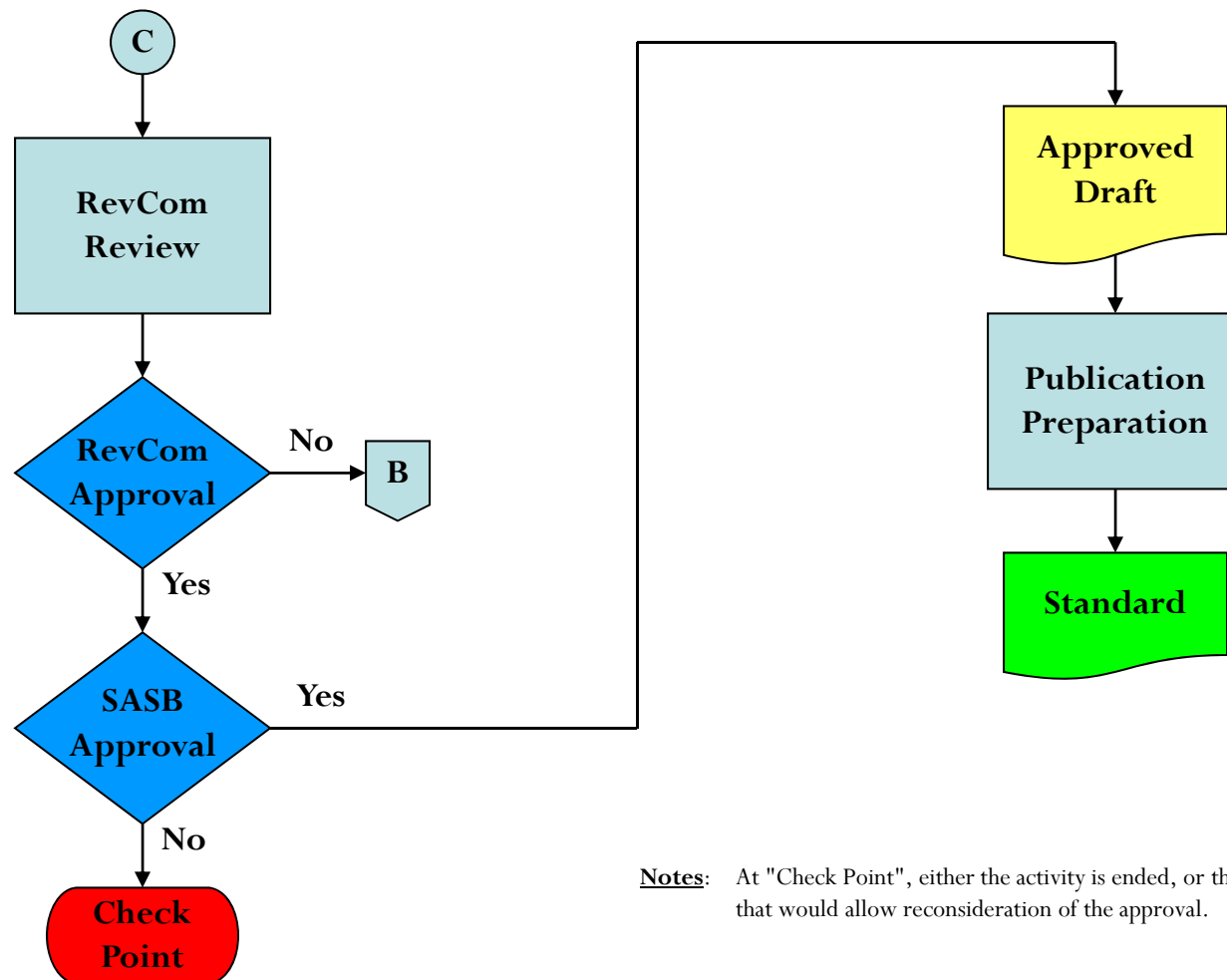
# Overview of IEEE 802.3 Standards Process (4/5)- Sponsor Ballot Phase



**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.

# Friday

Time	Presenter	Affiliation	Title	File Name
8:00 AM	John D'Ambrosia	Dell	Agenda and General Information	agenda_400_01_0513.pdf
8:20 AM	Wael Diab	Broadcom	Overview of the Process	diab_400_01_0513.pdf
8:50 AM	Howard Frazier	Broadcom	Review of the 5 Criteria	frazier_400_01_0513.pdf
9:20 AM	John D'Ambrosia	Dell	The 400 GbE Project Ahead	dambrosia_400_01_0513.pdf
9:40 AM	Mark Gustlin	Xilinx	400GbE Logic thoughts	gustlin_400_01_0513.pdf
10:10 AM	Break			
10:25 AM	David Ofelt	Juniper	The BER Objective for 400GE	ofelt_400_01_0513.pdf
10:55 AM	Steve Trowbridge	Alcatel-Lucent	Objectives for 400 GbE	trowbridge_400_01_0513.pdf
11:25 AM	Brad Booth	Dell	400G Architecture Considerations	booth_400_01_0513.pdf
12:00 PM	Lunch			
1:00 PM	Ali Ghiasi	Broadcom	Scalable 400 GbE Architecture	ghiasi_400_01_0513.pdf
1:30 PM	Gary Nicholl	Cisco	Architecture and PMD Objectives for 400GE	nicholl_400_01_0513.pdf
2:00 PM	Chris Cole	Finisar	400 Gb/s PMD Roadmap	cole_400_01_0513.pdf
2:30 PM	Xiaolu Song	Huawei	Considerations on options for 400GE optical interface	song_4000_01_0513.pdf
3:00 PM	Break			
3:15 PM	Jeff Maki	Juniper	400GE at the Cost of 4 x 100GE	maki_400_01_0513.pdf
3:45 PM	Mark Bugg	Molex	Copper Cable at 400Gbps	bugg_400_01_0513.pdf
4:15 PM	Takeshi Nishimura	Yamaichi Electronics	CFP2 / CFP4 connector SI capability for 400Gb/s Ethernet	nishimura_400_01_0513.pdf
4:45 PM	Brian Holden	Kandou Bus	Using Ensemble NRZ Coding for 400GE Electrical Interfaces	holden_400_01_0513.pdf
5:15 PM	Discussion, Straw Polls, Motions			
5:40 PM	Closing Business			
6:00 PM	Adjourn			

Note –Times listed are subject to change.

# Liaisons and Communications

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- Informal Communication to ITU-T
  - See [trowbridge\\_400\\_02a\\_0513.pdf](#)
- Informal Communication to OIF
  - See [trowbridge\\_400\\_01a\\_0513.pdf](#)
- Informal Communication to Euro-IX
  - See [dambrosia\\_400\\_01a\\_0513.pdf](#)



# Future Meetings

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- See: <http://www.ieee802.org/3/interims/index.html>
- July 2013 Plenary
  - Week of July 14
  - Location: Geneva, CH
- Sept 2013 Interim (hosted by ADVA)
  - Week of Sept 2
  - York, UK
- Nov 2013 Plenary
  - Week of Nov 10
  - Dallas, TX, USA
- January 2014 Interim
  - Week of January 20
  - Hyatt Regency Indian Wells, CA
- Anyone interested in hosting a meeting contact me.



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# Thank You!