

# Agenda and General Information

IEEE P802.3bs Task Force

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Futurewei, a subsidiary of Huawei

IEEE 802.3 Jan 2017 Interim  
Huntington Beach, CA, USA

# Agenda

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- Welcome and Introductions
- Approve Agenda
- Participation in IEEE 802 Meetings
- Attendance
- Approve Nov 2016 Plenary Minutes
- D2.2 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 Hoc
- Chief Editor's Opening Report
- Task Force Comment Resolution
- Track & Chief Editor Closing Reports
- Motions and Closing Business
- Future Meetings

# Task Force Decorum

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- 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

**All participation in IEEE 802 Working Group meetings 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”. ([http://ieee802.org/PNP/approved/IEEE\\_802\\_WG\\_PandP\\_v19.pdf](http://ieee802.org/PNP/approved/IEEE_802_WG_PandP_v19.pdf) section 4.2.1)*
- **You have an obligation to act and vote as an individual and not under the direction of any other individual or group. Your obligation to act and vote as an individual applies in all cases, regardless of any external commitments, agreements, contracts, or orders.**
- **You 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 [http://ieee802.org/PNP/approved/IEEE\\_802\\_WG\\_PandP\\_v19.pdf](http://ieee802.org/PNP/approved/IEEE_802_WG_PandP_v19.pdf) section 3.4.1, 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.**

# Attendance

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- 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.

# Minutes Approval

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- Nov 2016 Plenary Minutes - [http://www.ieee802.org/3/bs/public/16\\_11/minutes\\_3bs\\_a\\_1116\\_unapproved.pdf](http://www.ieee802.org/3/bs/public/16_11/minutes_3bs_a_1116_unapproved.pdf)

# D2.2 WG Recirculation Ballot Summary

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- 212 Voters
  - 137 Approve
  - 7 Disapprove
  - 23 Abstain
  - 167 Ballots returned
  - 
  - 78.77% Response Rate (> 50% required)
  - 13.77% Abstain Rate (< 30% required)
  - 95.14% Approval Rate ( $\geq$  75% required)
- 
- Thanks to everyone who reviewed D2.2 and voted / submitted comments!

# Goals for the meeting week

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- Consider 37 comments
  - Additional 24 “late” comments, if no objections
- Hear 2 Technical presentations
- Approve generation of Draft 3.0
- Consensus Building Items for work during Sponsor Ballot
  - “Clean-up” electrical jitter measurements
  - TDECQ details
  - Clock Content Analysis



# IEEE P802.3bs Task Force

## Project information

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- 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](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](http://www.ieee802.org/3/bs/Objectives_16_0317.pdf)
    - Timeline [http://www.ieee802.org/3/bs/timeline\\_3bs\\_0915.pdf](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

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- 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.



15 March 2015

(Optional to be shown)

# 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](mailto: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.**

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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.

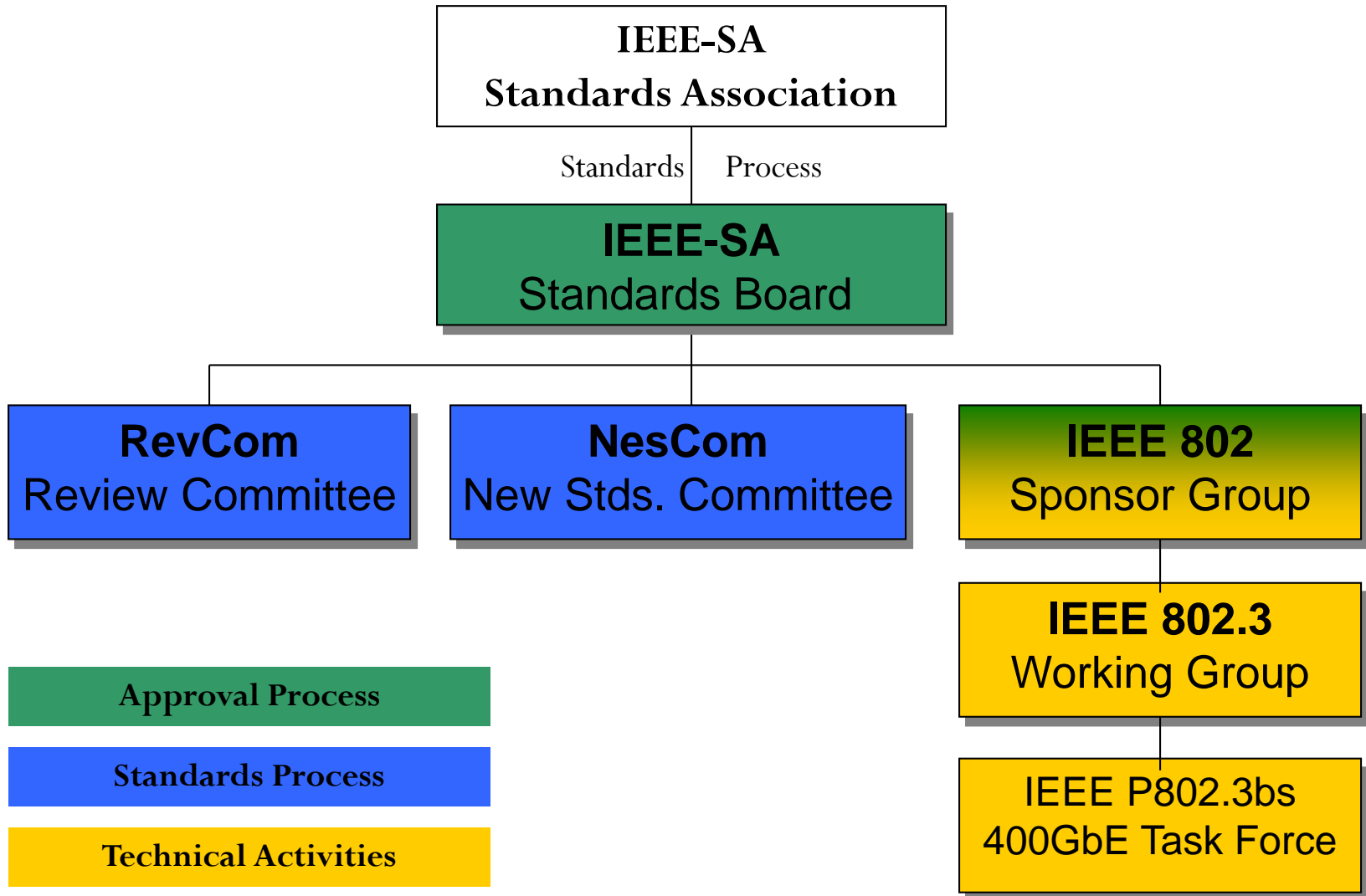
# Ground Rules

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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

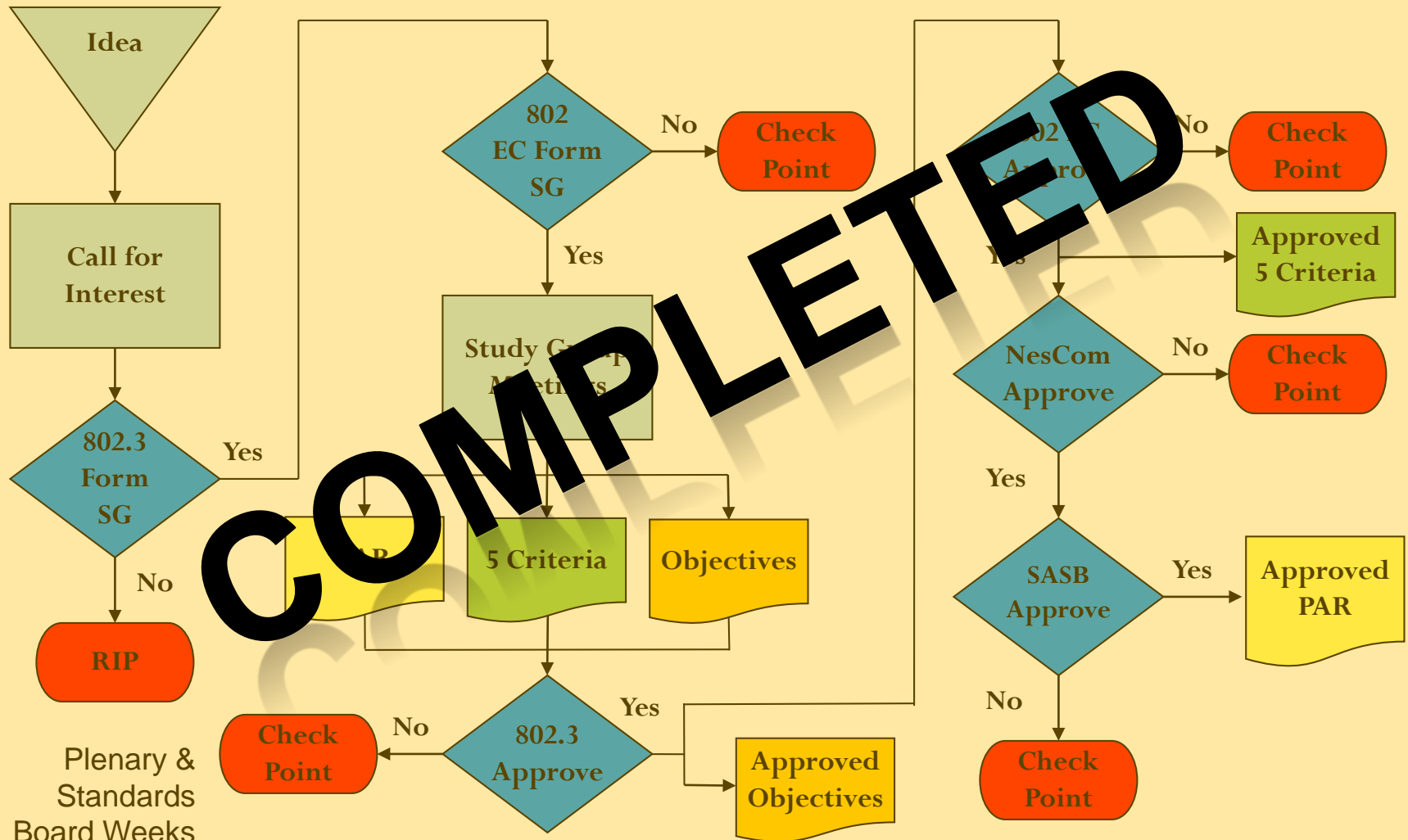


# Important Bylaws, Rules, & References

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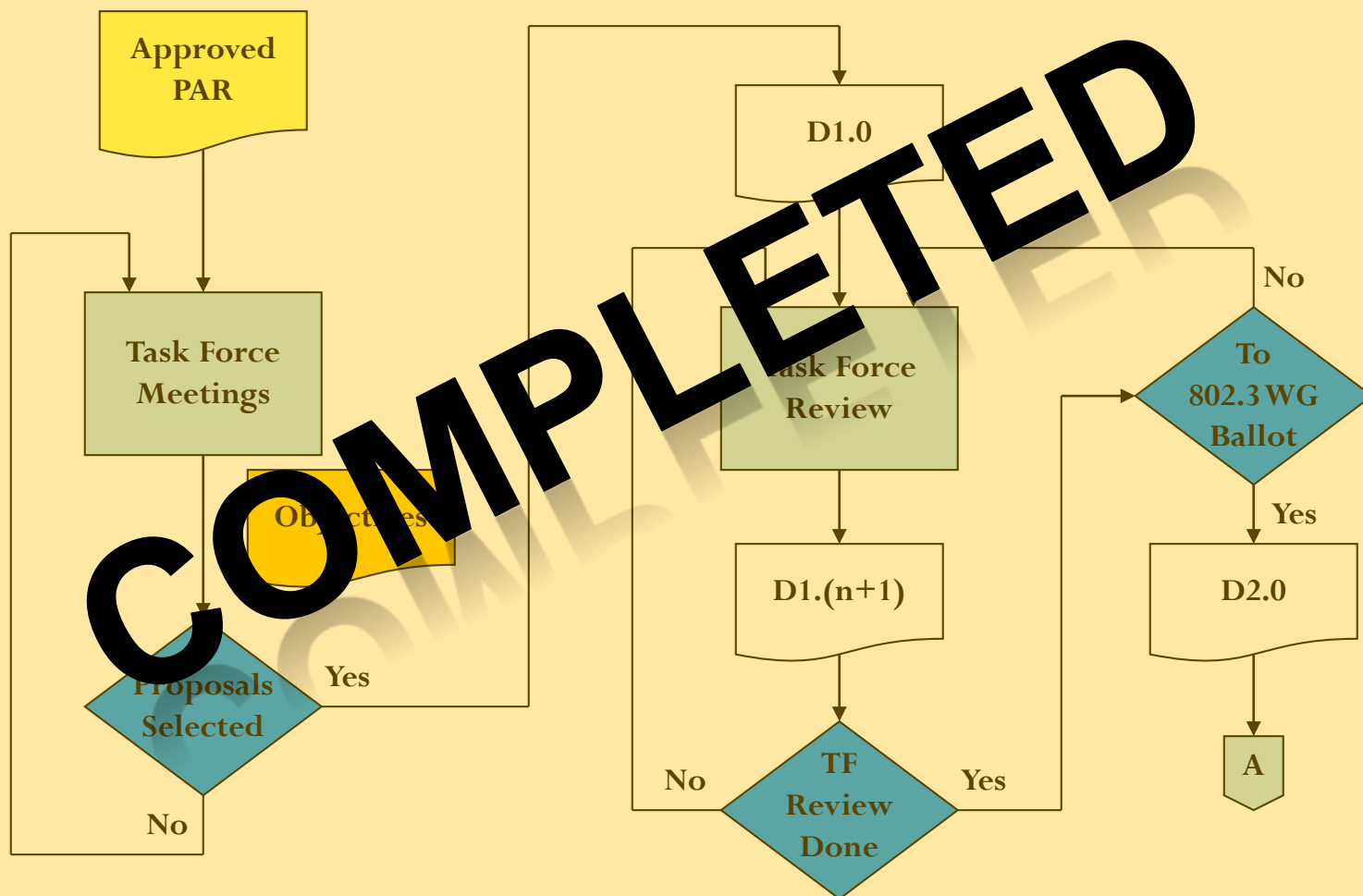
- **IEEE-SA Operations Manual**  
<http://standards.ieee.org/sa/sa-om.pdf>
- **IEEE-SA Standards Board Bylaws**  
<http://standards.ieee.org/guides/bylaws/sb-bylaws.pdf>
- **IEEE-SA Standards Board Operations Manual**  
<http://standards.ieee.org/guides/opman/sb-om.pdf>
- **IEEE 802 LAN/MAN Standards 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/devdocs.shtml>
- **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

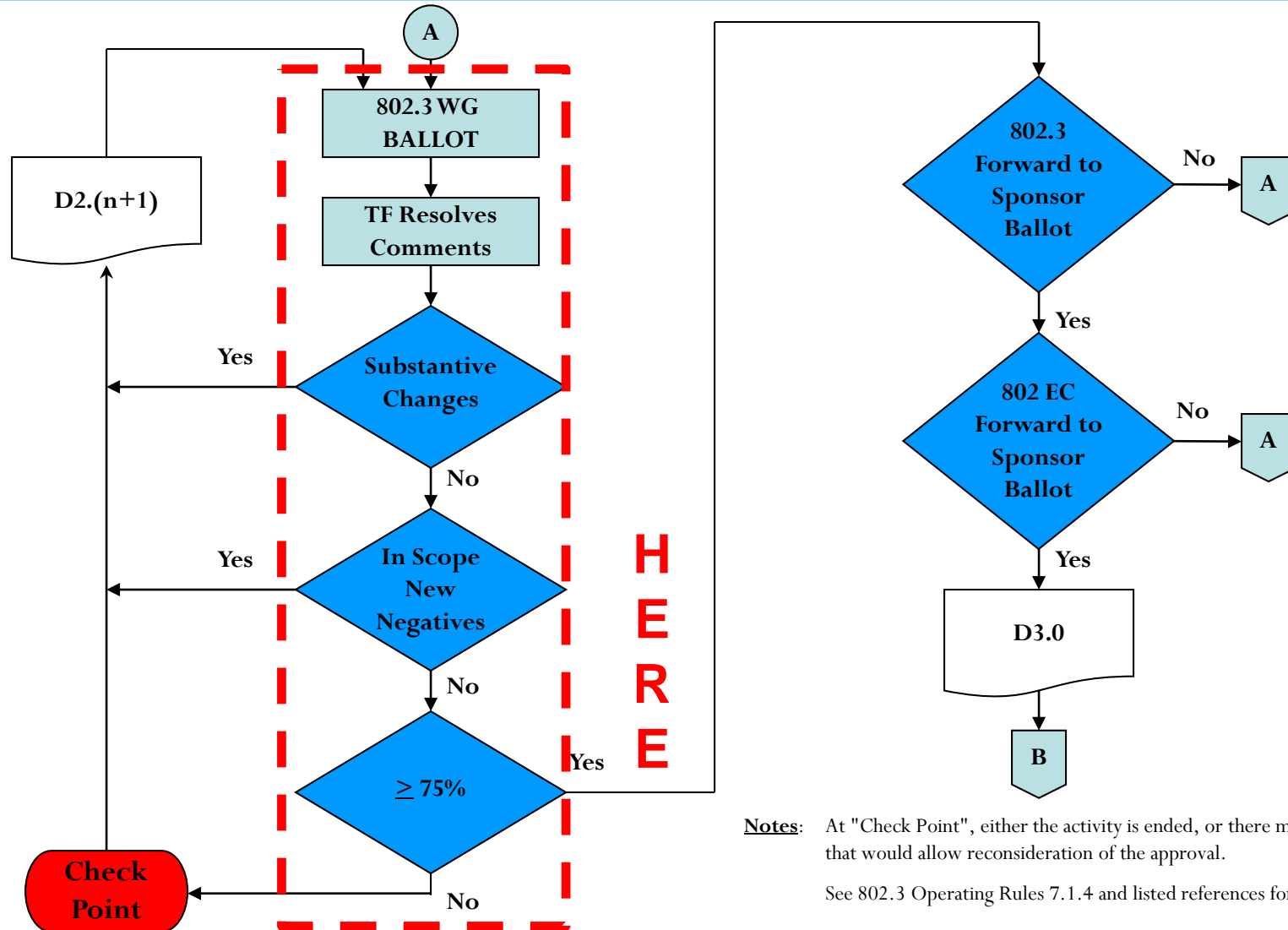


Note: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

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

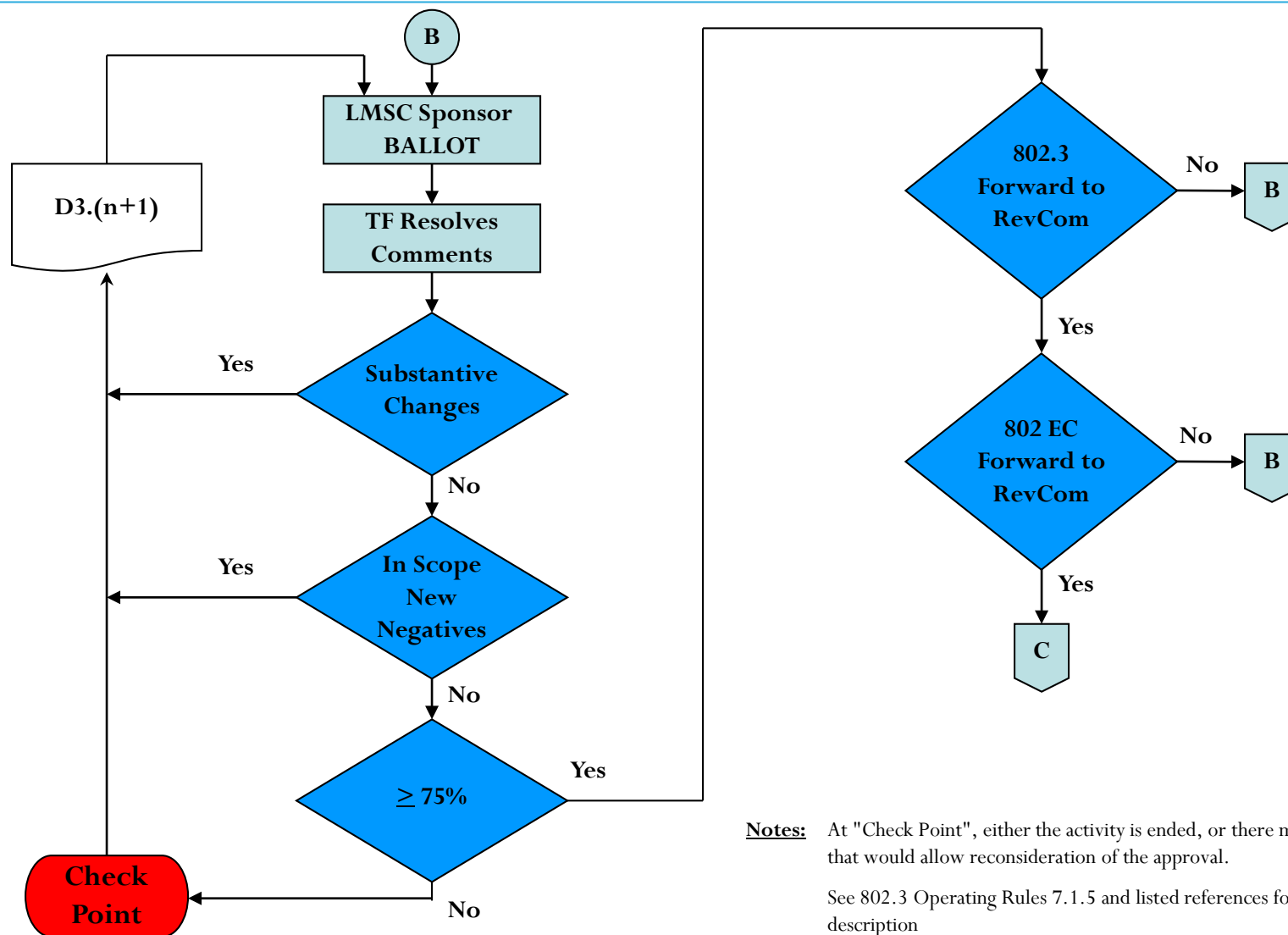


# Overview of IEEE 802.3 Standards Process (3/5) – Working Group Ballot Phase



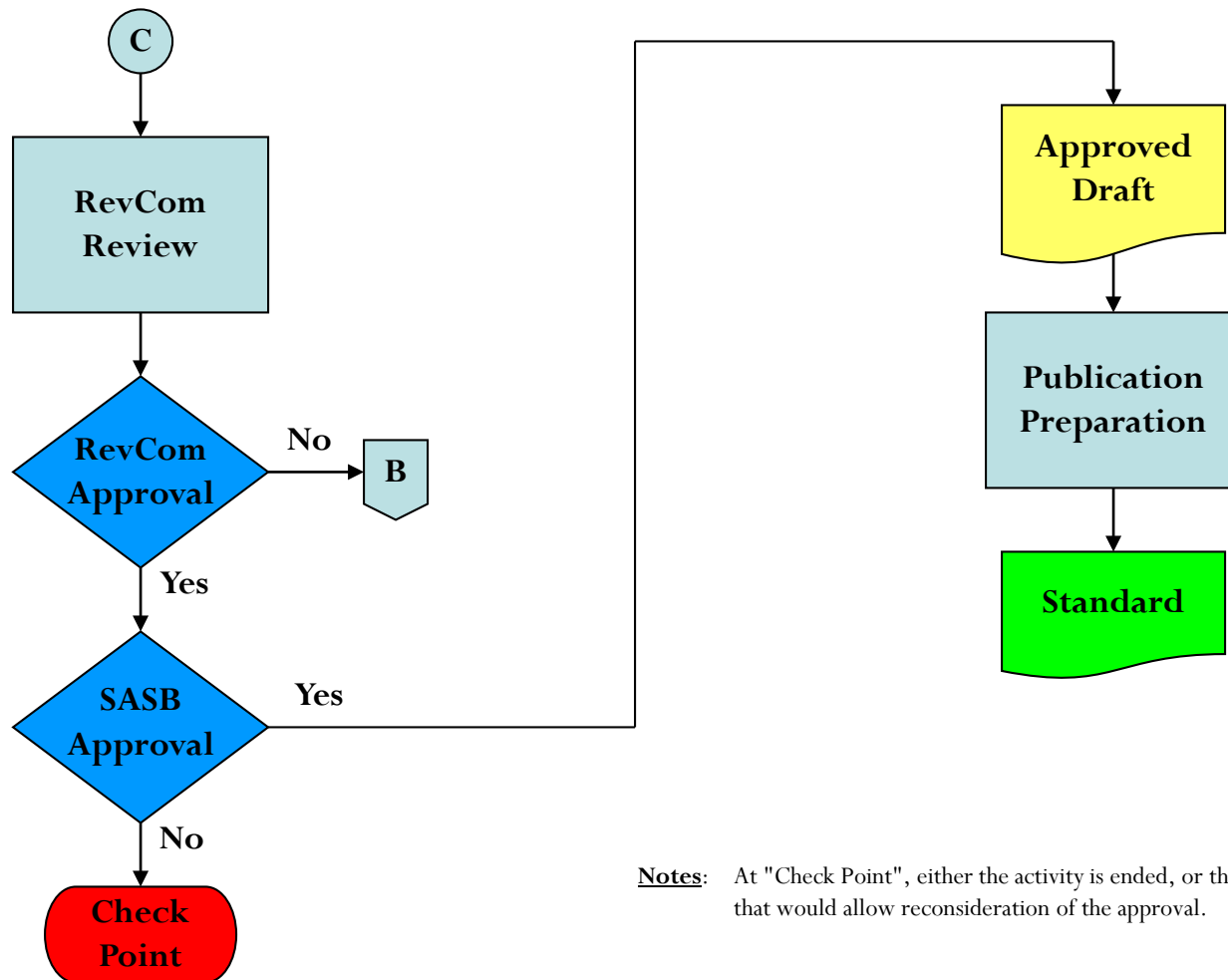
**Notes:** At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.  
See 802.3 Operating Rules 7.1.4 and listed references for complete description

# 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.

# Liaisons and Communications

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- OIF to IEEE P802.3bs and P802.3cd regarding progress on OIF CEI-56G projects



# Ad Hoc

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- 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
    - Meeting – 12/13
    - Report - anslow\_3bs\_02\_0117.pdf
  - MMF, Chair – Jonathan King
    - No Meetings
  - Electrical Interface, Chair - Andre Szczepanek
    - Meeting - 12/19
    - Report - szczepanek\_3bs\_01\_0117.pdf

# Sponsor Ballot (Conditional Approval)

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- See IEEE 802 LMSC Operations Manual, Section 11 - **Procedure for conditional approval to forward a draft standard**
- [http://ieee802.org/PNP/approved/IEEE\\_802\\_OM\\_v19.pdf](http://ieee802.org/PNP/approved/IEEE_802_OM_v19.pdf)

# Schedule (1 of 2)

All times and order listed are subject to change.

Monday	Presenter	Employer / Affiliation	Title	Filename
9:00 AM	John D'Ambrosia	Futurewei, subsidiary of Huawei	Agenda and General Information	agenda_3bs_01_0117.pdf
9:45 AM	Pete Anslow	Ciena	Chief Editor's Opening Report	anslow_3bs_01_0117.pdf
10:00 AM	Break			
10:20 AM	Task Force Comment Review Re-presentation of "Four Lane Interleaving" by Pete Anslow, Ciena (File - anslow_01_121916_elect.pdf)			
12:00 PM	Lunch			
1:00 PM	Task Force - Clock Content Analysis			
2:00 PM	Logic, SMF, Electrical Tracks - Comment Review *			
3:00 PM	Break			
3:20 PM	Logic, SMF, Electrical Tracks - Comment Review Continue			
5:30 PM	Break for day			

Tuesday				
9:00 AM	Logic, SMF, Electrical Tracks - Comment Review *			
10:00 AM	Break			
10:15 AM	Logic, SMF, Electrical Tracks - Comment Review Continue			
12:00 PM	Lunch			
1:00 PM	Logic, SMF, Electrical Tracks - Comment Review Continue			
3:00 PM	Break			
3:15 PM	Logic, SMF, Electrical Tracks - Comment Review Continue			
6:00 PM	Break For the Day			

\* - Times to be announced by Track Chair

# Schedule (2 of 2)

All times and order listed are subject to change.

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Wednesday				
8:00 AM	Opening Comments			
8:15 AM	Task Force Comment Review			
10:00 AM	Break			
10:15 AM	Task Force Comment Review			
11:30 AM	Closing Business			
12:00 PM	Adjourn			

# Future Meetings

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- See: <http://www.ieee802.org/3/interims/index.html>
- Mar 2017 Plenary
  - Potential for adjacent / co-located interim starting on Sunday, Mar 12
  - Week of Mar 13
  - Vancouver, BC, Canada
- May 2017 Interim
  - Week of May 22
  - New Orleans, LA, USA
- July 2017 Plenary
  - Week of July 9
  - Berlin, Germany
- Sept 2017 Interim
  - Week of Sept 11
  - North American Location
- Nov 2017 Plenary
  - Week of Nov 6
  - Orlando, FL, USA

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# Thank You!