

Agenda and General Information

IEEE P802.3bu 1-Pair Power over Data Lines
Task Force

Dave Dwelley
Linear Technology
Dallas TX November 9, 2015

Agenda

- Welcome and Introductions
- Appoint Recording Secretary for this meeting
- Approve Agenda
- Approve October 2015 Task Force Minutes
- Goals for this meeting
- Reflector and Web
- Ground Rules
- IEEE
 - Structure, Bylaws and Rules
 - Call for Patents
 - IEEE Standards Process
- Review new presentations
- Resolve comments against Draft 1.4
- Motions and Closing Business
- Charter Editor to prepare Draft 1.5/2.0 for Task Force/Working Group comments
- Future Meetings

Secretaries So Far

- September 2013: Jeff Heath
- November 2013: Koussalya Balasubramanian
- January 2014: Yair Darshan
- March 2014: Dave Abramson
- May 2014: Jeff Heath
- July 2014: Yair Darshan
- September 2014: Lennart Yseboodt
- November 2014: Phil Brownlee
- January 2015: Faisal Ahmad
- March 2015: Sessa Panguluri
- May 2015: Christian Beia
- June 2015: Dan Dove
- July 2015: Gaoling Zou
- September 2015: Matthias Wendt
- October 2015: David Stover/George Zimmerman

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

- Review presentations
- Resolve comments against D1.4
- Confirm that draft is ready for Working Group ballot
- Charter Editor to prepare Draft 1.5/2.0 for comment resolution
- Charter Chair to hold comment period before Atlanta Interim

Reflector and Web

- To subscribe to the P802.3bu reflector, send an email to:

ListServ@ieee.org

with the following in the body of the message (do not include “<>”):

subscribe stds-802-3-1PPODL <yourfirstname> <yourlastname>
end

- Send P802.3bu reflector messages to:

stds-802-3-1ppodl@listserv.ieee.org

- Task Force web page URL:

<http://www.ieee802.org/3/bu/>

Task Force Private Area

- URL: <http://www.ieee802.org/3/bu/private/index.html>
 - Username: 802.3bu
 - Password will be announced
- Write it down...
- All private content, including the draft standard, is kept here
 - 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.

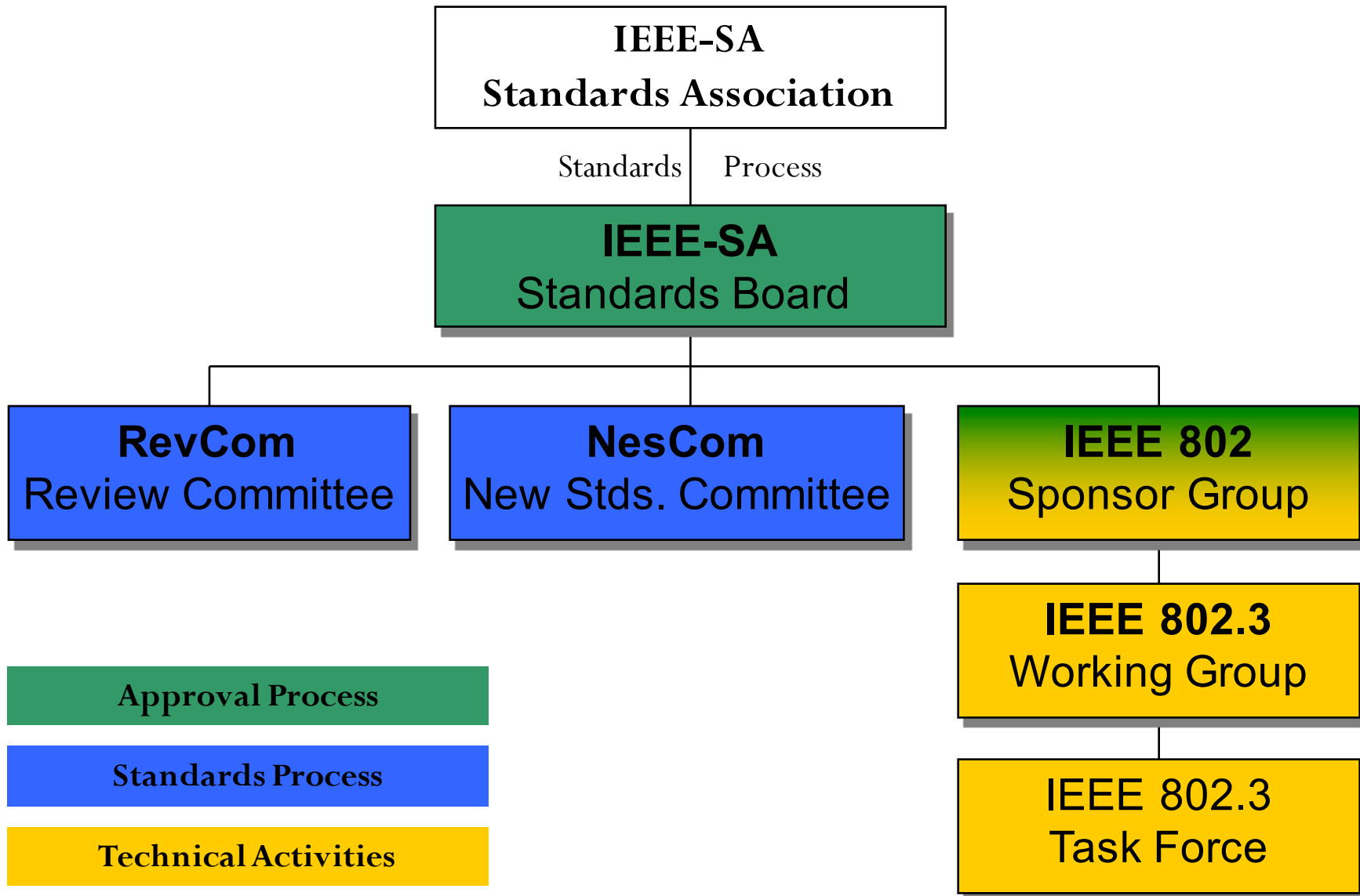
Ground Rules

- 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**... we don't make progress without it
- NO product pitches
- NO corporate pitches
- NO prices!!!
 - This includes costs, ASPs, etc. no matter what the currency
- NO restrictive notices

Attendance

- Tutorial Material on attendance tool:
 - http://www.ieee802.org/3/minutes/attendance_procedures.pdf
- URL (Valid for most meetings)
 - URL: <https://imat.ieee.org>
 - No password this meeting (but turn off your VPN)

IEEE Structure



Important Bylaws and Rules

- **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**
<http://standards.ieee.org/about/sasb/audcom/pnp/LMSC.pdf>
- **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

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

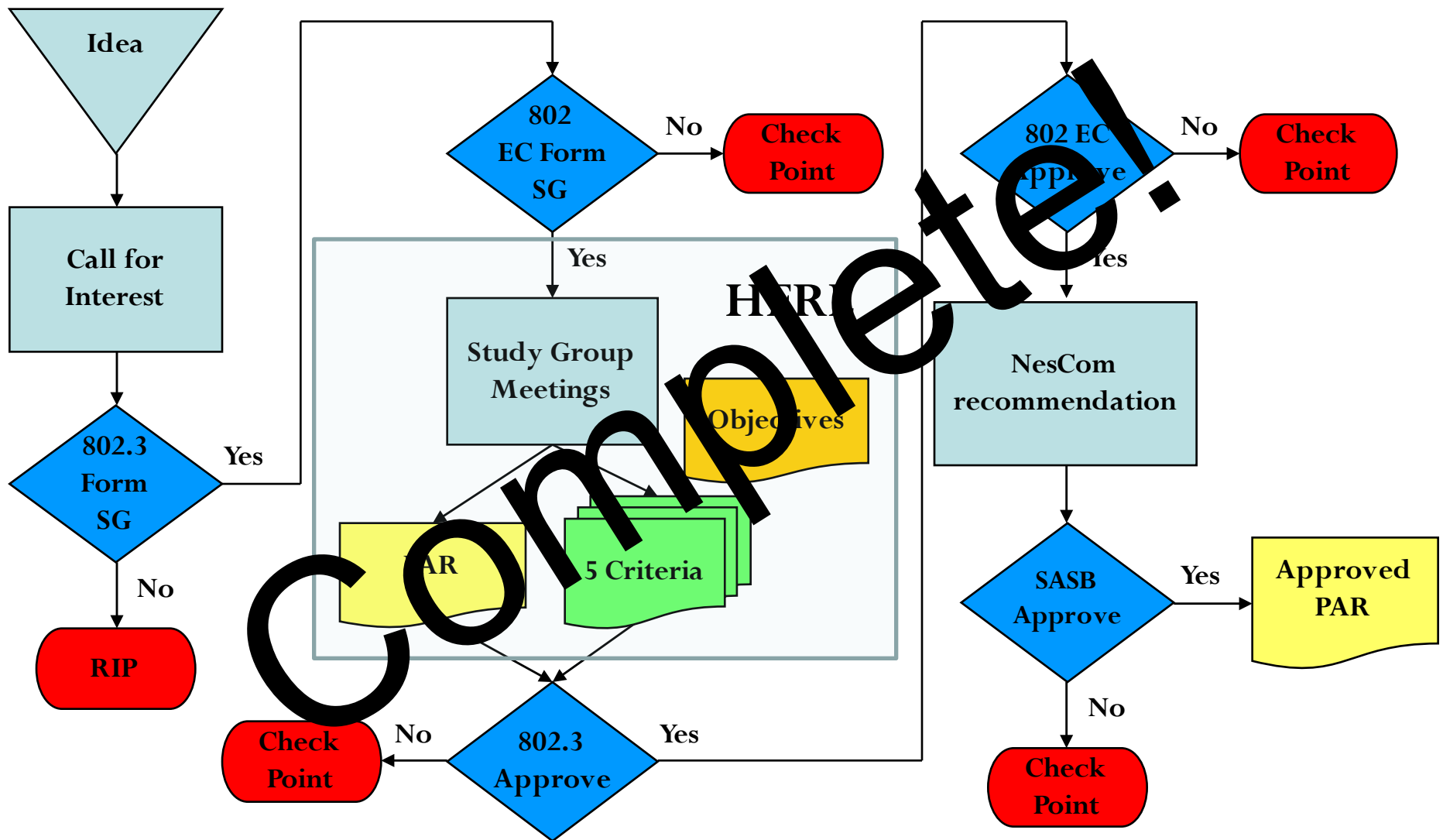
- If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance:
 - Either speak up now or
 - Provide 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.**

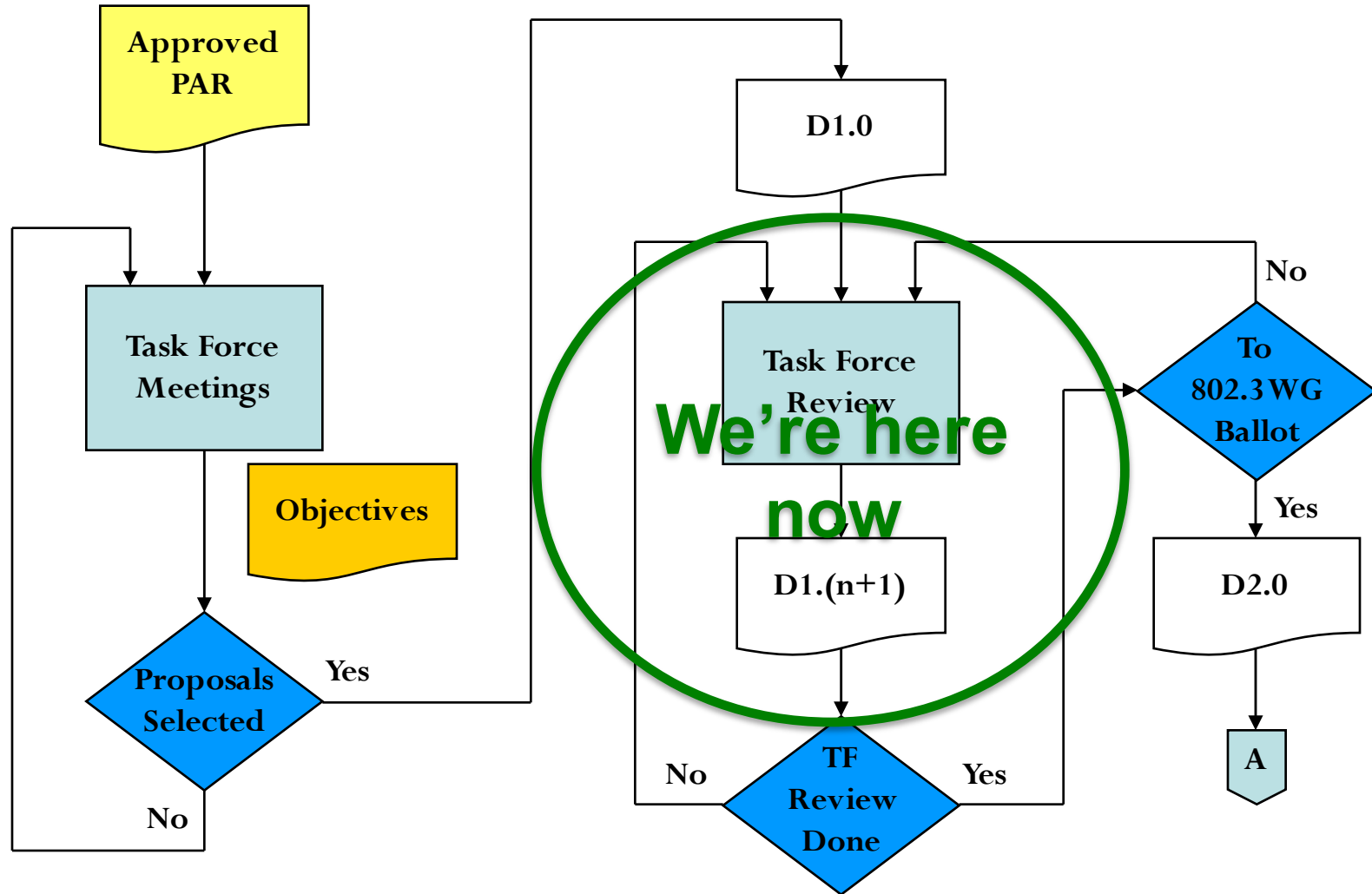
See *IEEE-SA Standards Board Operations Manual*, clause 5.3.10 and “Promoting Competition and Innovation: What You Need to Know about the IEEE Standards Association's Antitrust and Competition Policy” for more details.

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

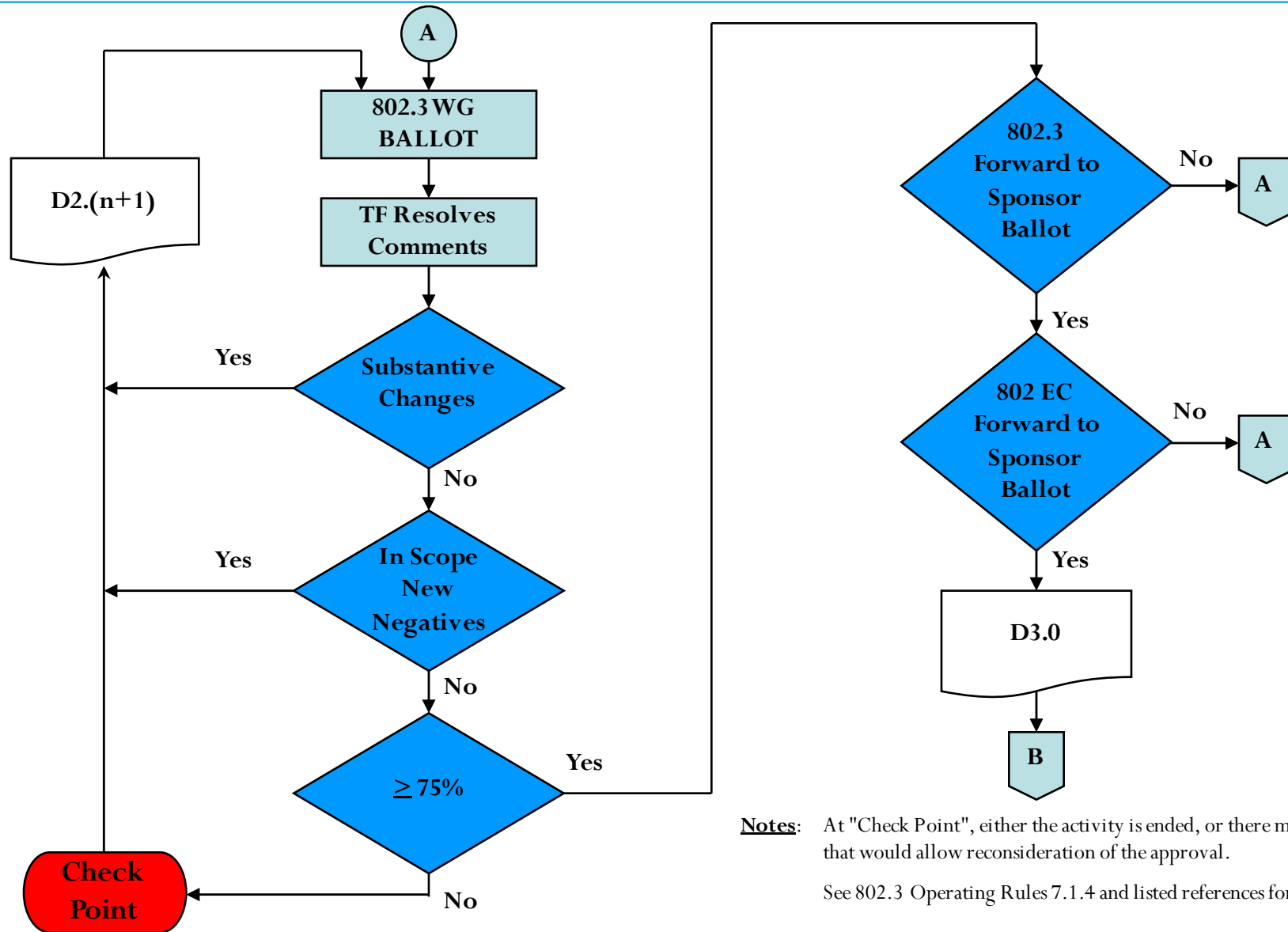


Note: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

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



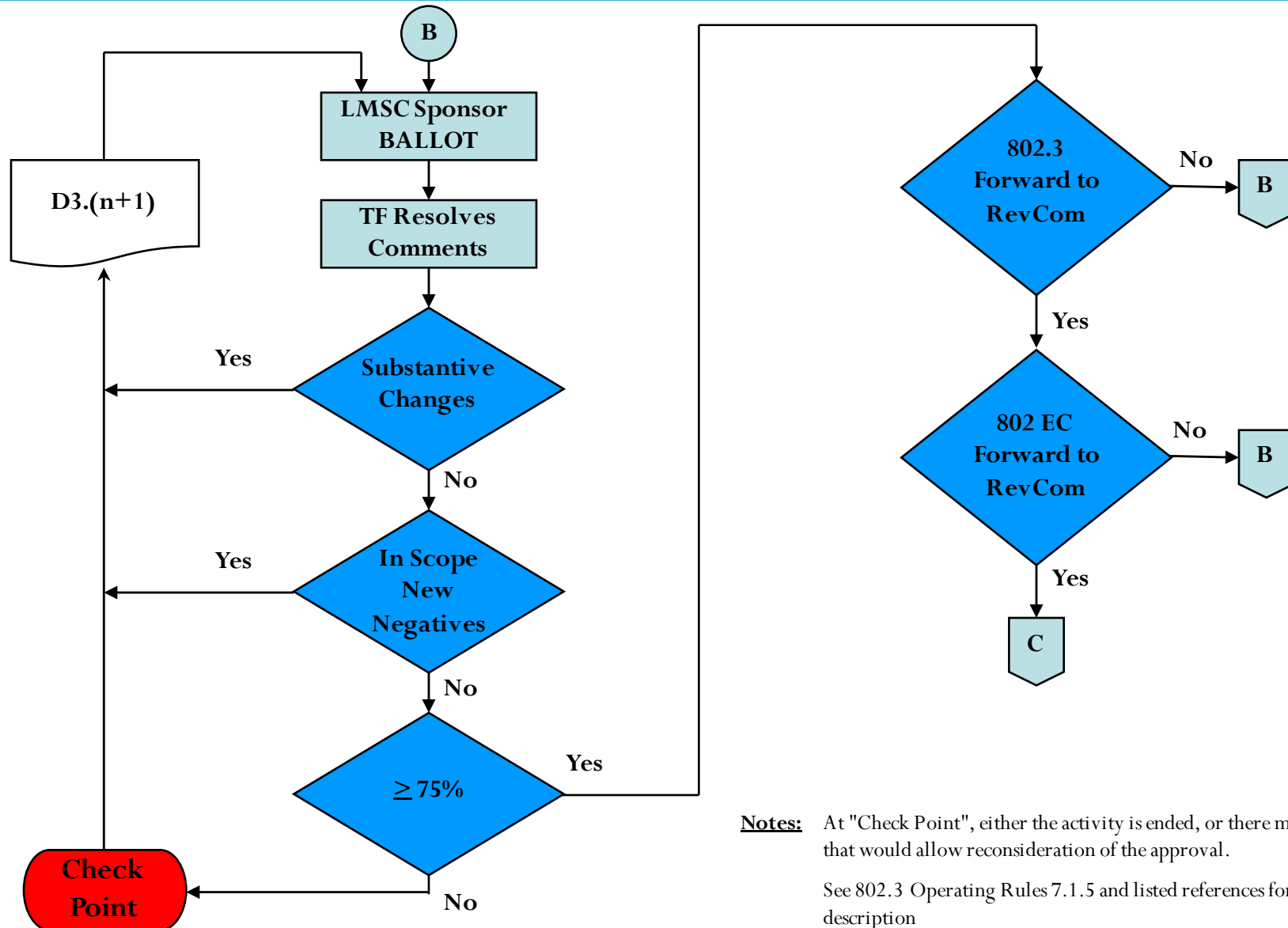
Overview of IEEE 802.3 Standards Process (3/5) – Working Group Ballot Phase



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

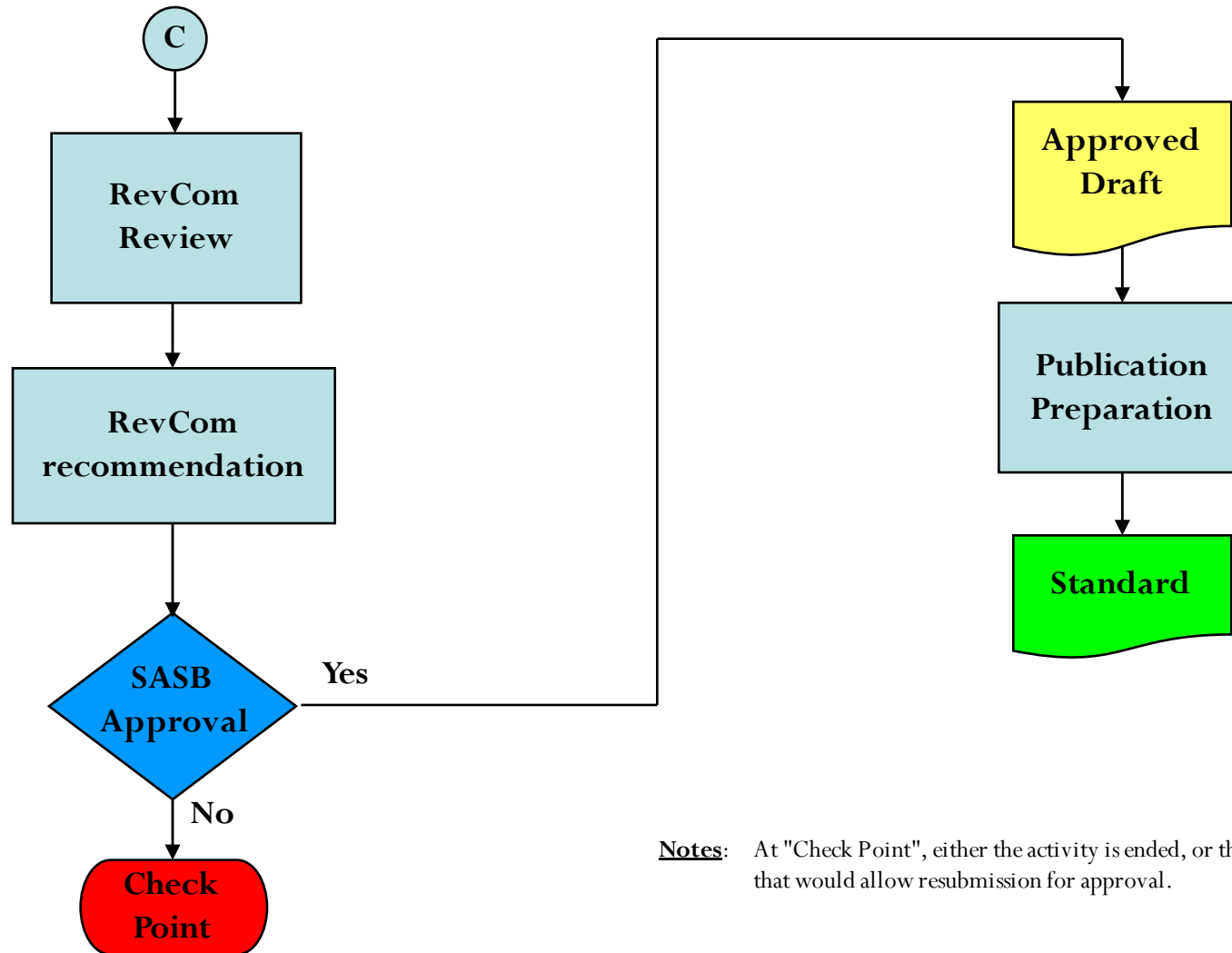
Overview of IEEE 802.3 Standards Process (4/5)- Sponsor Ballot Phase



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

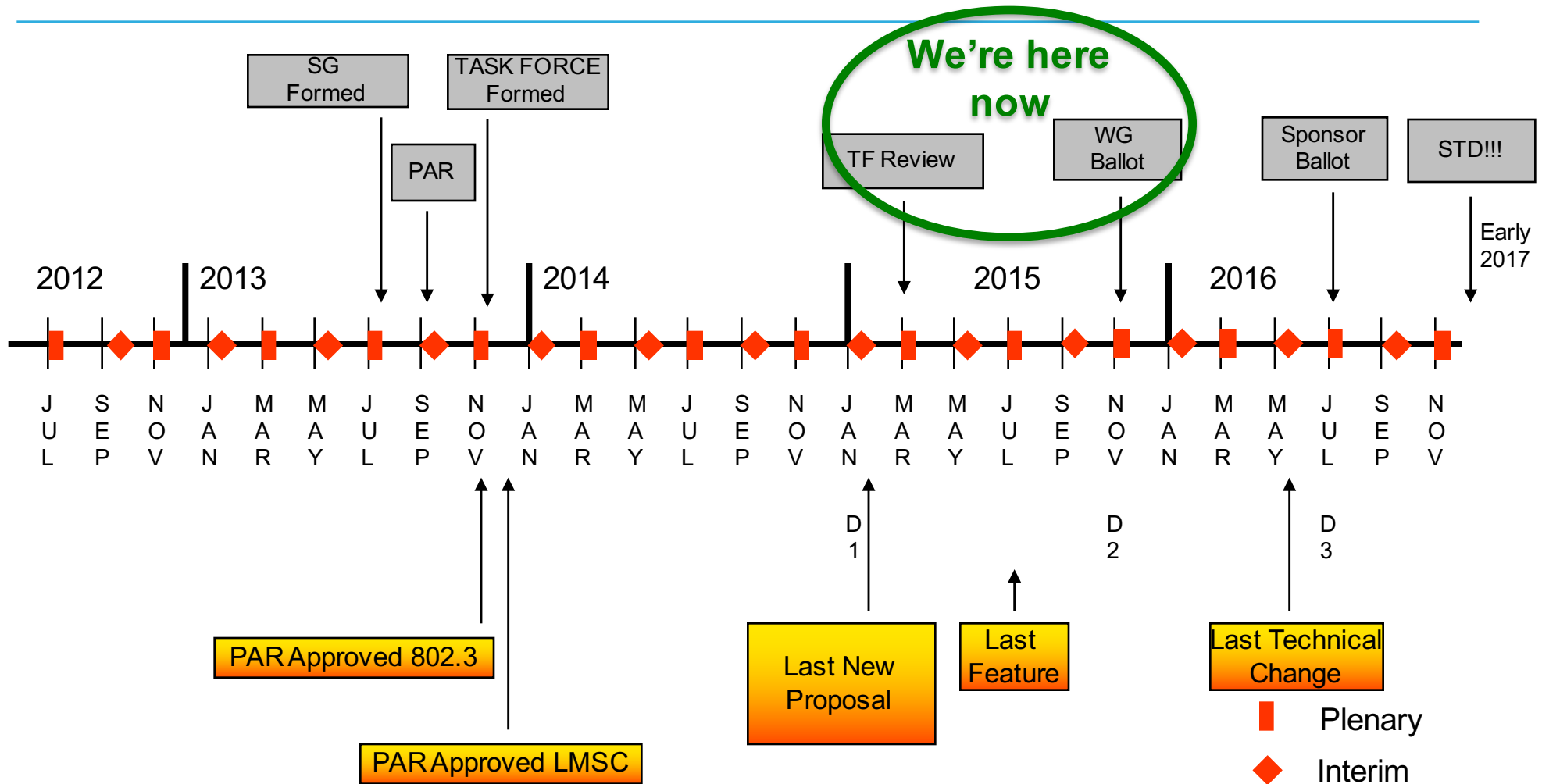
See 802.3 Operating Rules 7.1.5 and listed references for complete description

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 resubmission for approval.

Proposed timeline



IEEE P802.3bu Approved Project Documents

- PAR
 - http://www.ieee802.org/3/bu/P802d3bu_PAR.pdf
- 5 Criteria
 - http://www.ieee802.org/3/bu/P802d3bu_5C.pdf
- Objectives
 - http://www.ieee802.org/3/bu/P802d3bu_Objectives.pdf

IEEE P802.3bu 1PPoDL Objectives

- Specify a power distribution technique for use over a single twisted pair link segment.
- Allow for operation if data is not present.
- Support voltage and current levels for the automotive, transportation, and industrial control industries.
- Do not preclude compliance with standards used in automotive, transportation, and industrial control industries when applicable.
- Support fast-startup operation using predetermined voltage/current configurations and optional operation with run-time voltage/current configuration.
- Ensure compatibility with IEEE P802.3bp (e.g., EMI, channel definition, noise requirements).

Presentations

See <http://www.ieee802.org/3/bu/public/nov15/index.html>

Future Meetings

- See: <http://www.ieee802.org/3/interims/index.html>
- January 2016 Interim
 - Atlanta, GA, USA
 - January 18-22, 2016
- March 2016 Plenary
 - Macau, PRC
 - March 13-18, 2016
- Anyone interested in hosting a interim meeting contact me or the IEEE 802.3 Executive Secretary [Steve Carlson](#).

Thank You!