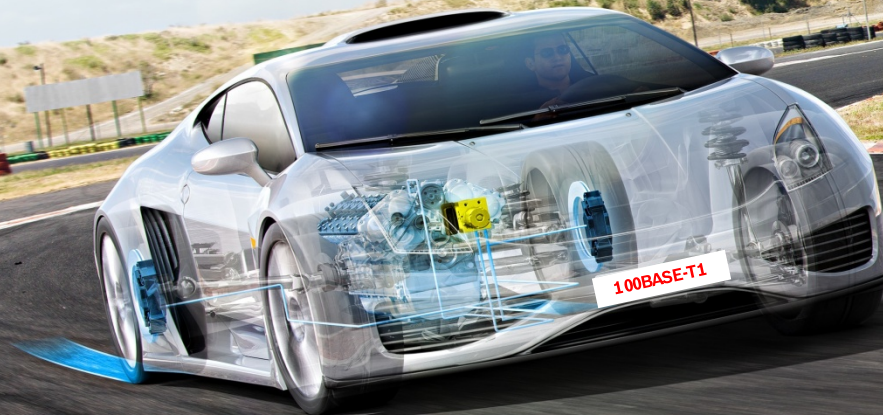# 100 BASE-T1 Task Force Interim Meeting
Kanata, Canada

100BASE-T1

Thomas Hogenmüller (Robert Bosch GmbH)

Agenda

➔ Appointment of Recording Secretary

➔ Welcome and Introductions

➔ Reflector and Webpage Information

➔ Rules and Guidelines

➔ Patent Policy and Call for Patents

➔ IEEE802.3bw staff

➔ Time Line

➔ **Wednesday Morning**: Presentations
- Auto Negotiation Considerations under 1TPCE (Willam Lo/ Marvell)
- Use Case & Requirements For IEEE802.3 RTPGE (Thomas Hogenmüller/ Robert Bosch)
- Requirements Update for IEEE802.3 RTPGE (Helge Zinner et al/ Continental)
- Review Automotive EMC (Mehmet Tazebay, Stefan Buntz/ Broadcom, Daimler
- Automotive Fault Condition (Natalie Wienchowski/ General Motors)
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- "Physical Layer Specification and Managment Parameters for 100 Mb/s Operation over a Single Balanced Twisted Pair Cable (100 BASE- T1)"
- Introduction, Discussion, Comments and Resolving

➔ **Thursday**:
- Working on Draft Standard

Reflector and Web

➔ To subscribe to the 1TPCE reflector, follow the process on website:
- http://www.ieee802.org/3/1TPCESG/reflector.html
- 142 subscribers

➔ You may read the previous mail traffic on this website:
- http://www.ieee802.org/3/1TPCESG/email/thrd1.html

➔ Task Force web page URL:
- http://www.ieee802.org/3/bw/index.html

➔ Private Area:
- User Name:
- Password:

Ground Rules

➔ Based upon IEEE 802.3 Rules
- Foundation based upon Robert's Rules of Order (for the Germans in the room "Benimmregeln nach Knigge")
- 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

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**
        - **"Personal awareness" means that the participant "is personally aware that the holder may have a potential Essential Patent Claim," even if the participant is not personally aware of the specific patents or patent claims**
    - **"Should inform the IEEE (or cause the IEEE to be informed)" of the identity of "any other holders of such 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**

25 March 2008 (updated January 2012)

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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

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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

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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.

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Important Bylaws and Rules

→ **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/201007/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/201007/IEEE_802_LMSC_WG_PandP_approved_100716.pdf

→ **IEEE 802.3 Working Group Operating Rules**
- http://ieee802.org/3/rules/P802_3_rules.pdf

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IEEE802.3bw Task Force Staff

➔ Vice Chair
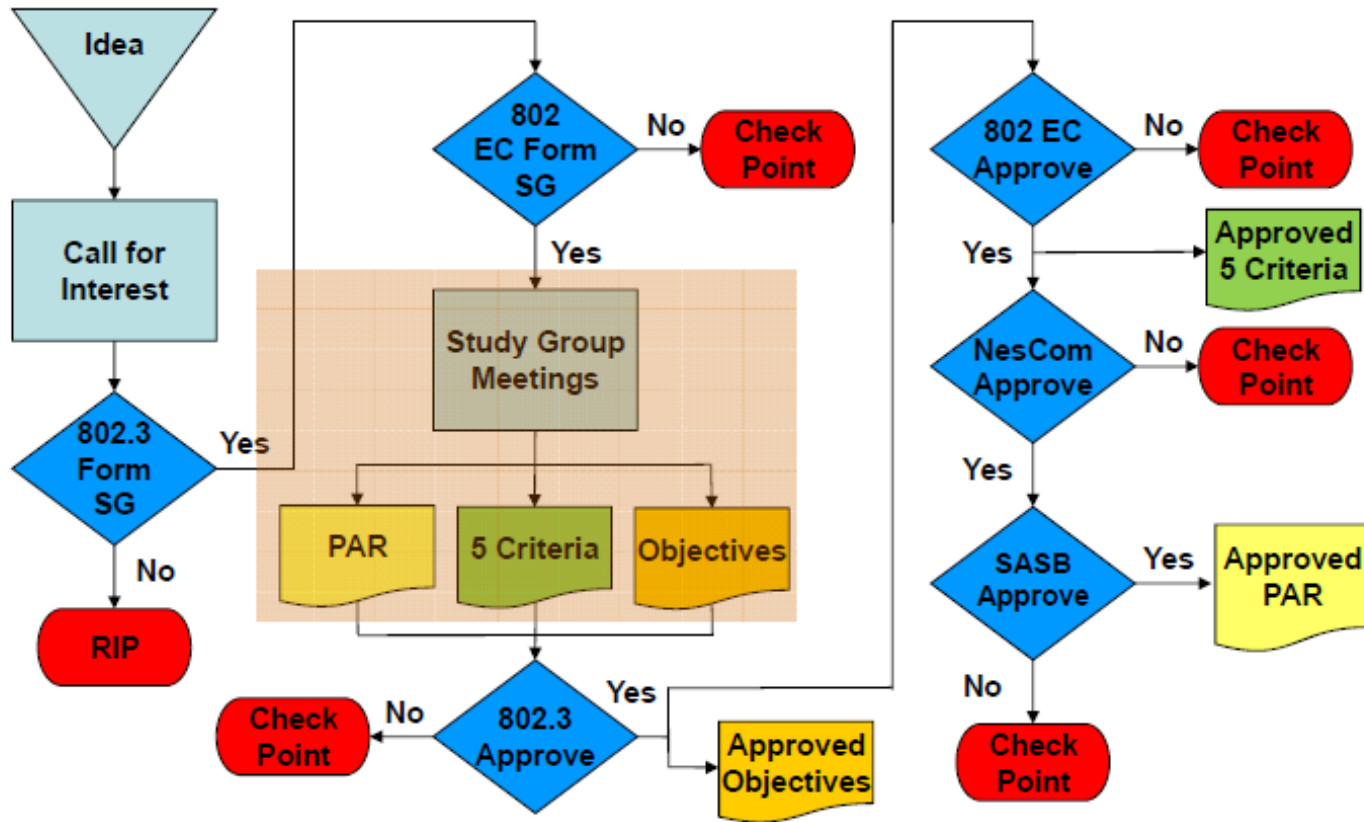 - Mehmet Tazebay (Broadcom)

➔ Chief Editor
  - Curtis Donahue (IOL)

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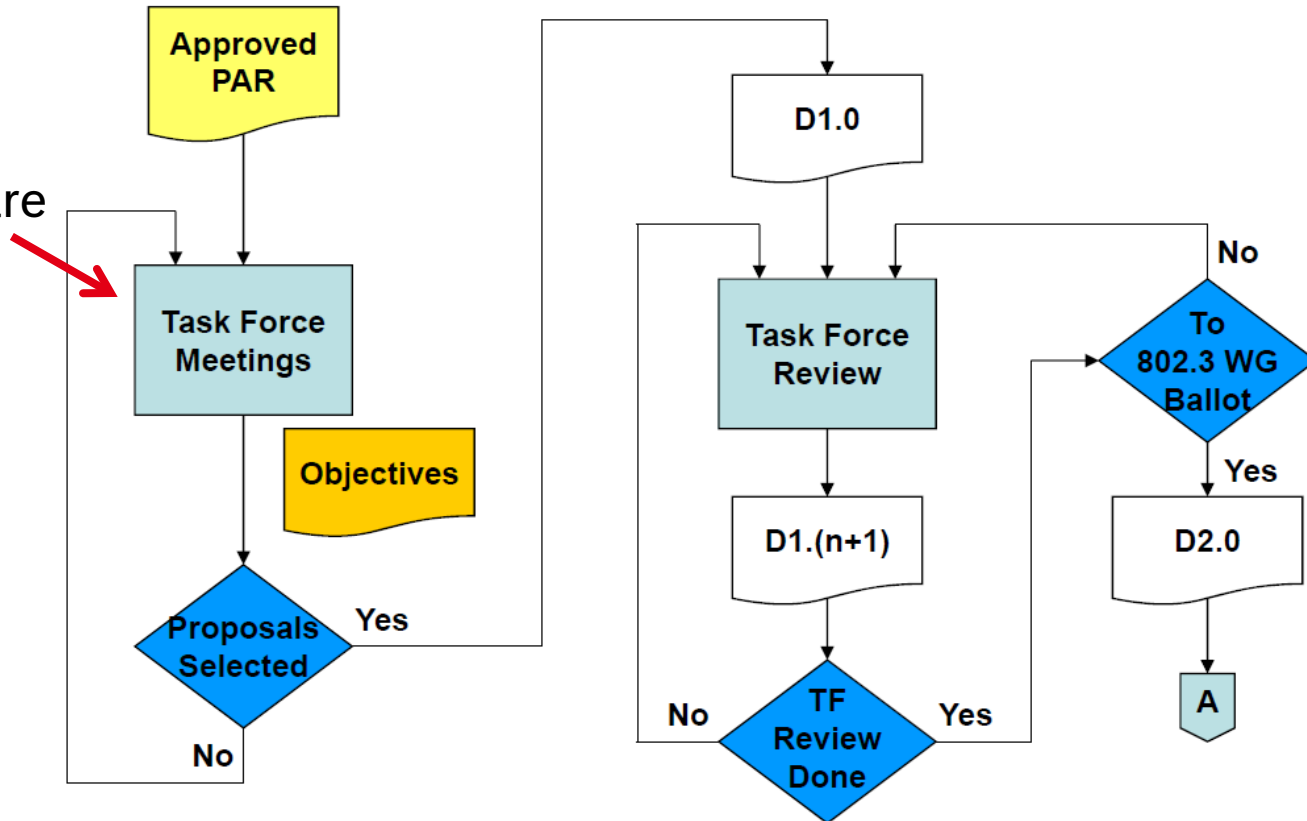Overview of IEEE 802.3 Standards Process (1/5)- Study Group Phase

Note: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.
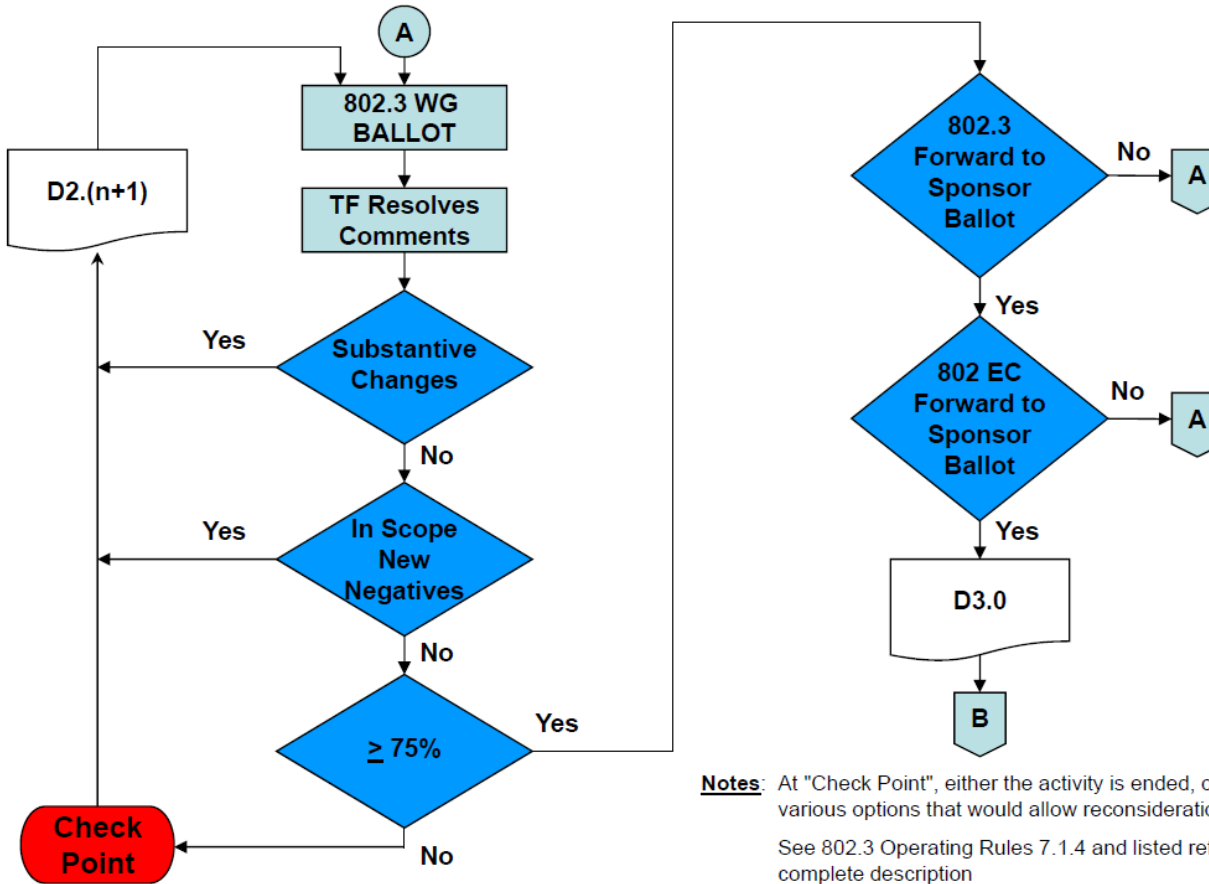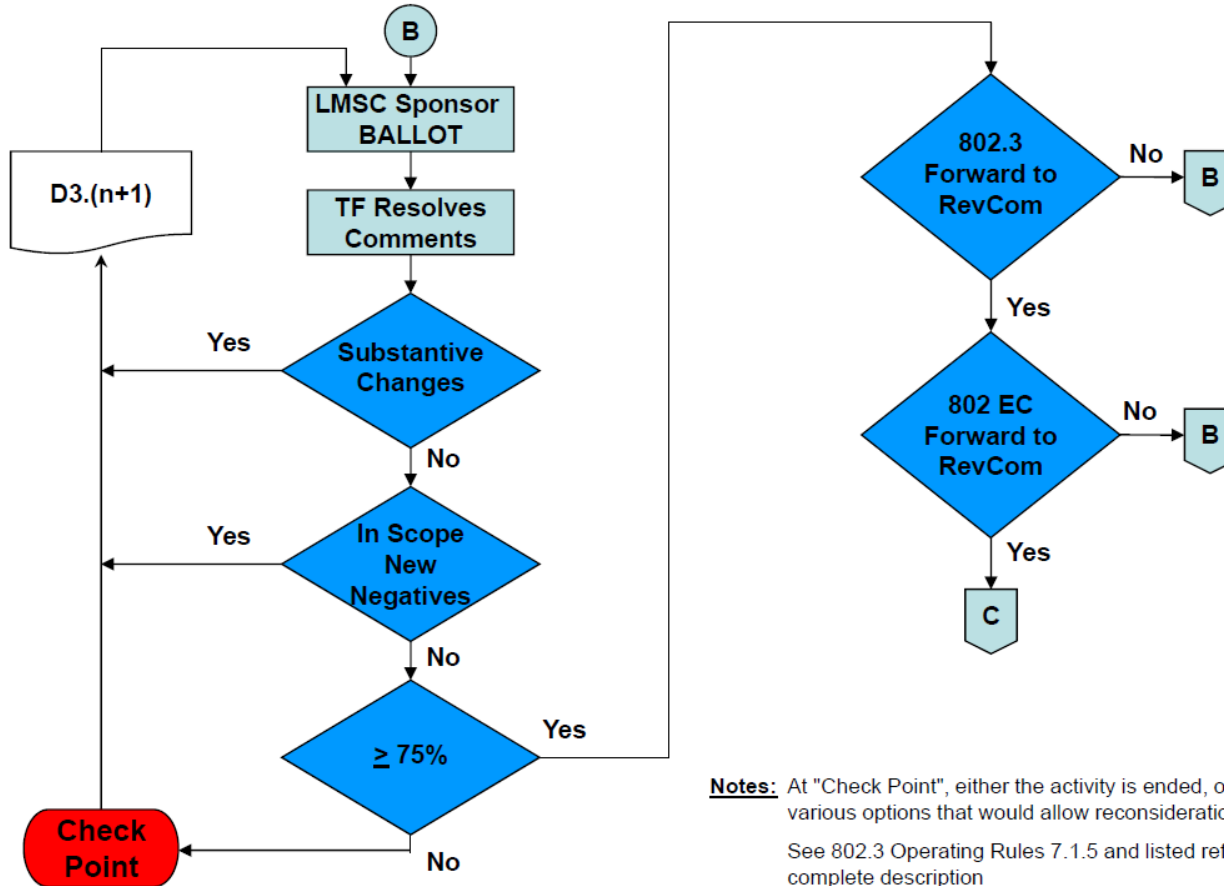
Overview of IEEE 802.3 Standards Process (2/5)
Task Force Comment Phase

Overview of IEEE 802.3 Standards Process (3/5)
Work 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.

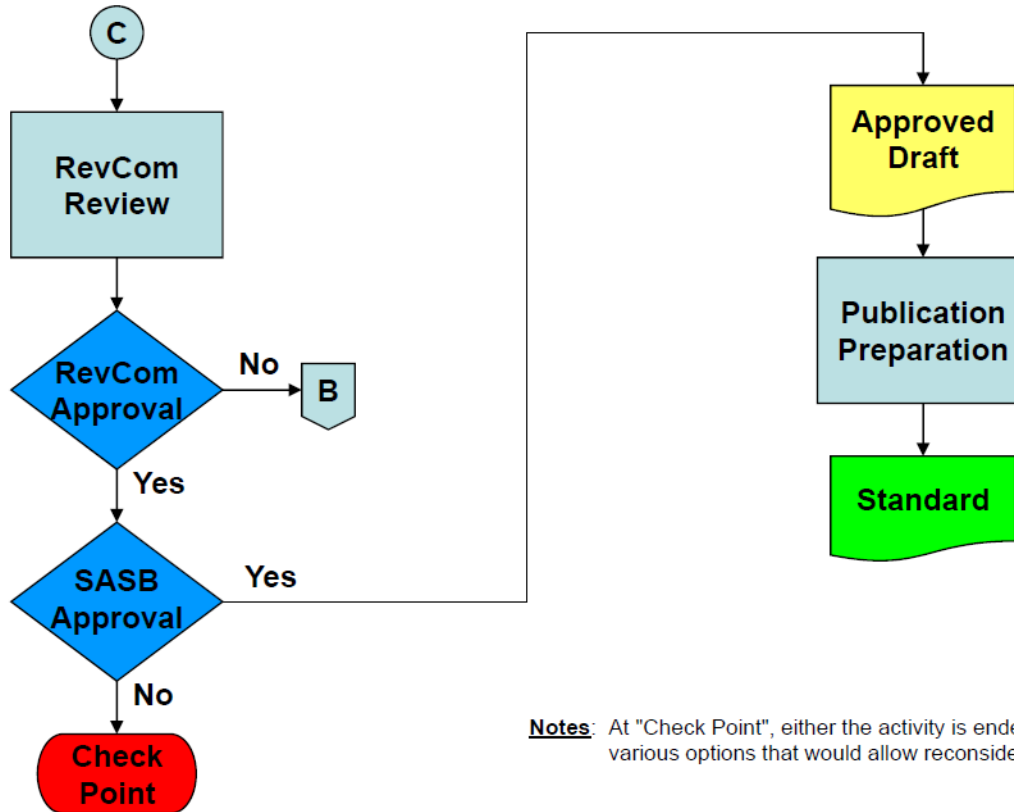See 802.3 Operating Rules 7.1.4 and listed references for complete description

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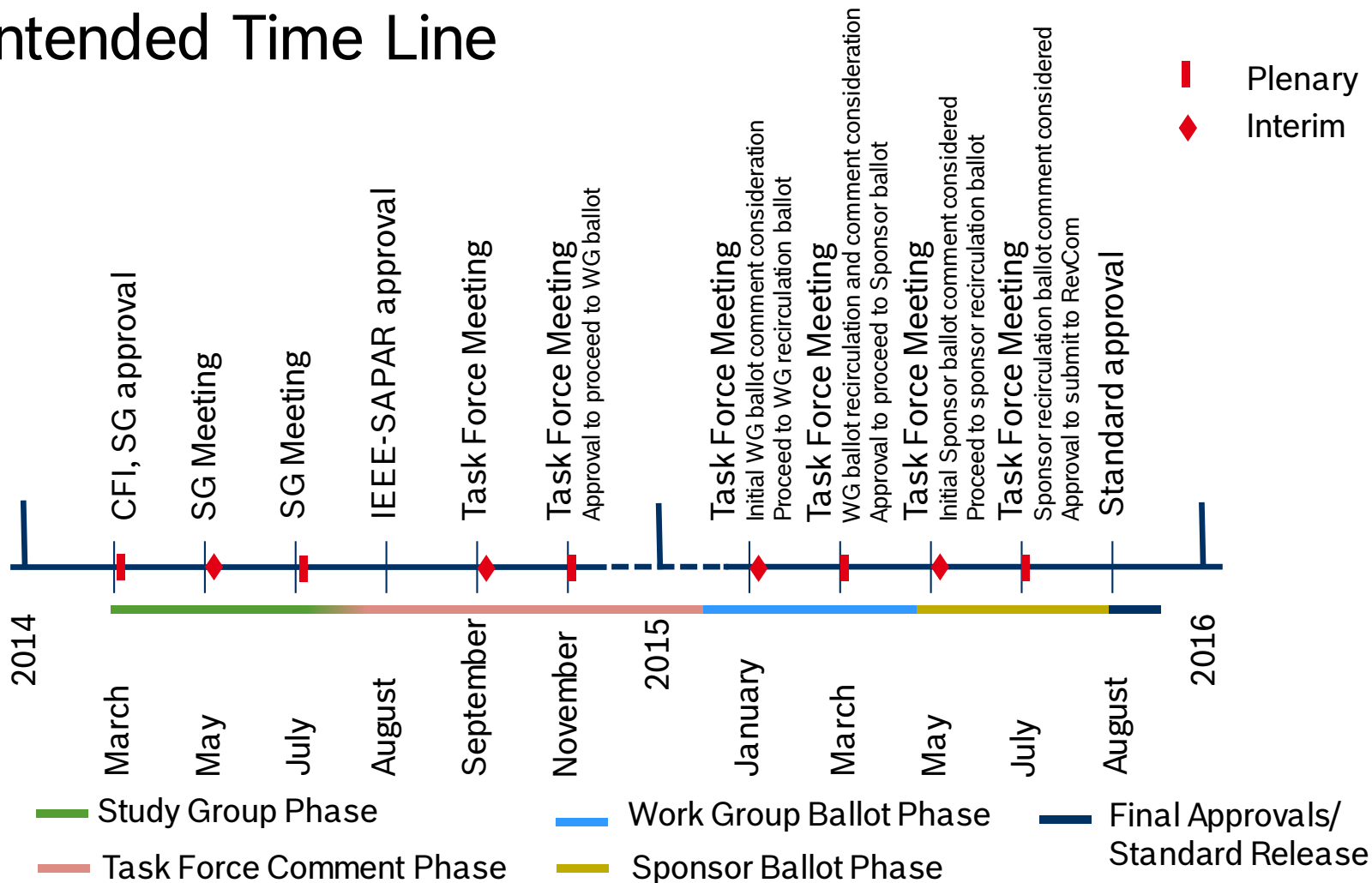### Sponsor Ballot Phase

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.

Intended Time Line

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