Agenda and General Information

IEEE 802.3 EPON Protocol over Coax (EPoC) PHY Study Group

Howard Frazier
Broadcom
Newport Beach, CA
24-January-2012

Agenda

- Appointment of Recording Secretary
- Confirmation of Chair
- Welcome and Introductions
- Approve Agenda
- Goals for this meeting
- Reflector and Web
- Ground Rules
- IEEE
    - Structure
    - Bylaws and Rules
    - Call for Patents
    - IEEE Standards Process
- Liaisons and Communications
- Presentations
- Motions and Closing Business
- Future Meetings

Internet Access

- The Fairmont has three separate networks: Guest Room, Lobby, and Meeting Rooms. The meeting host provides Internet access in the meeting room area only. To get free Internet access in the lobby and guest rooms, sign up for the Fairmont President's Club (FPC) at https://www.fairmont.com/fpc/, or use your existing Fairmont President's Club account number.

- The network in the meeting room is set up with support for a limited number of IP addresses. Please, use the guest/lobby network for your smartphones and tablets.
- Please use the following Internet access information when working in the Meeting Rooms:
  - SSID: **Fairmont_Meeting**
  - Group code: **??????**

- **Special thanks to the Ethernet Alliance for hosting this meeting**

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

- IEEE 802.3 standards process tutorials
- Hear presentations on requirements
- Begin work on PAR, 5 Criteria, objectives

Reflector and Web

- To subscribe to the EPoC Study Group reflector, send an email to:
  ListServ@ieee.org

  with the following in the body of the message (do not include "<>"):
  subscribe **stds-802-3-epoc** *<yourfirstname> <yourlastname>*

  end

- Send EPoC Study Group reflector messages to:
  stds-802-3-epoc@listserv.ieee.org

- Study Group web page URL:
  http://www.ieee802.org/3/epoc/

Task Force Private Area

- Not yet established
- Will be once we have a draft, or other material requiring password protection
- 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.
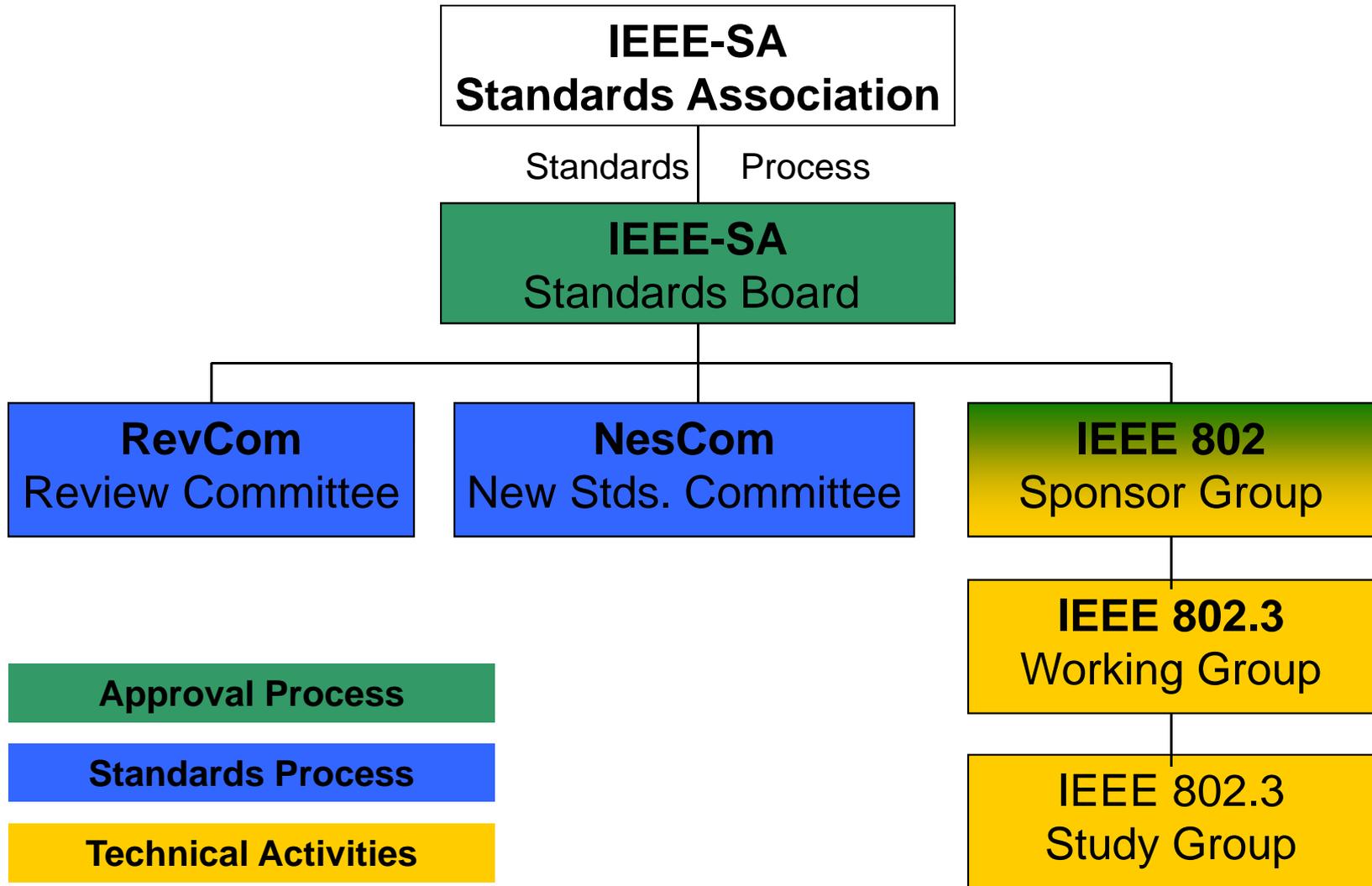
Ground Rules

- 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**… 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

Attendance

- Tutorial Material on attendance tool
  - http://ieee802.org/3/minutes/mar11/0311_imat.pdf

- URL (Valid for this meeting only)
  - URL: https://seabass.ieee.org/imat/
  - Session password: **?????**

IEEE Structure

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                    ┌─────────────────────────┐
                    │        IEEE-SA          │
                    │  Standards Association  │
                    └─────────────────────────┘
                        Standards │ Process
                    ┌─────────────────────────┐
                    │        IEEE-SA          │
                    │    Standards Board      │
                    └─────────────────────────┘
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RevCom	NesCom	IEEE 802
Review Committee	New Stds. Committee	Sponsor Group

IEEE 802.3
Working Group

IEEE 802.3
Study Group

Approval Process

Standards Process

Technical Activities

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/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

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 consistent with the ANSI patent policy and 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 12 and 12a 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.

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25 March 2008 (updated 29 March 2011)

(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**
    - **"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 29 March 2011)

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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

IEEE

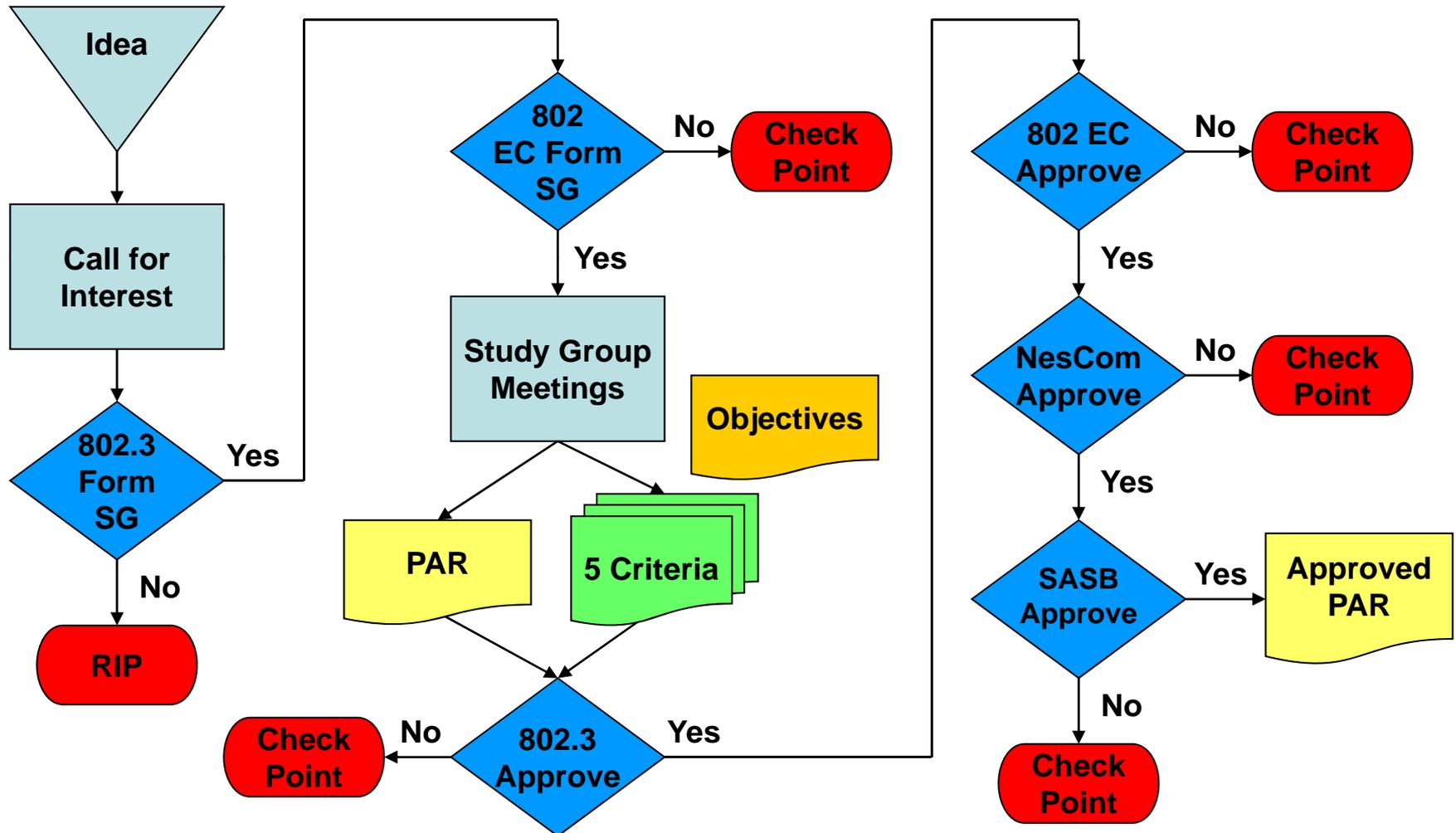# Call for Potentially Essential Patents

- 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.**

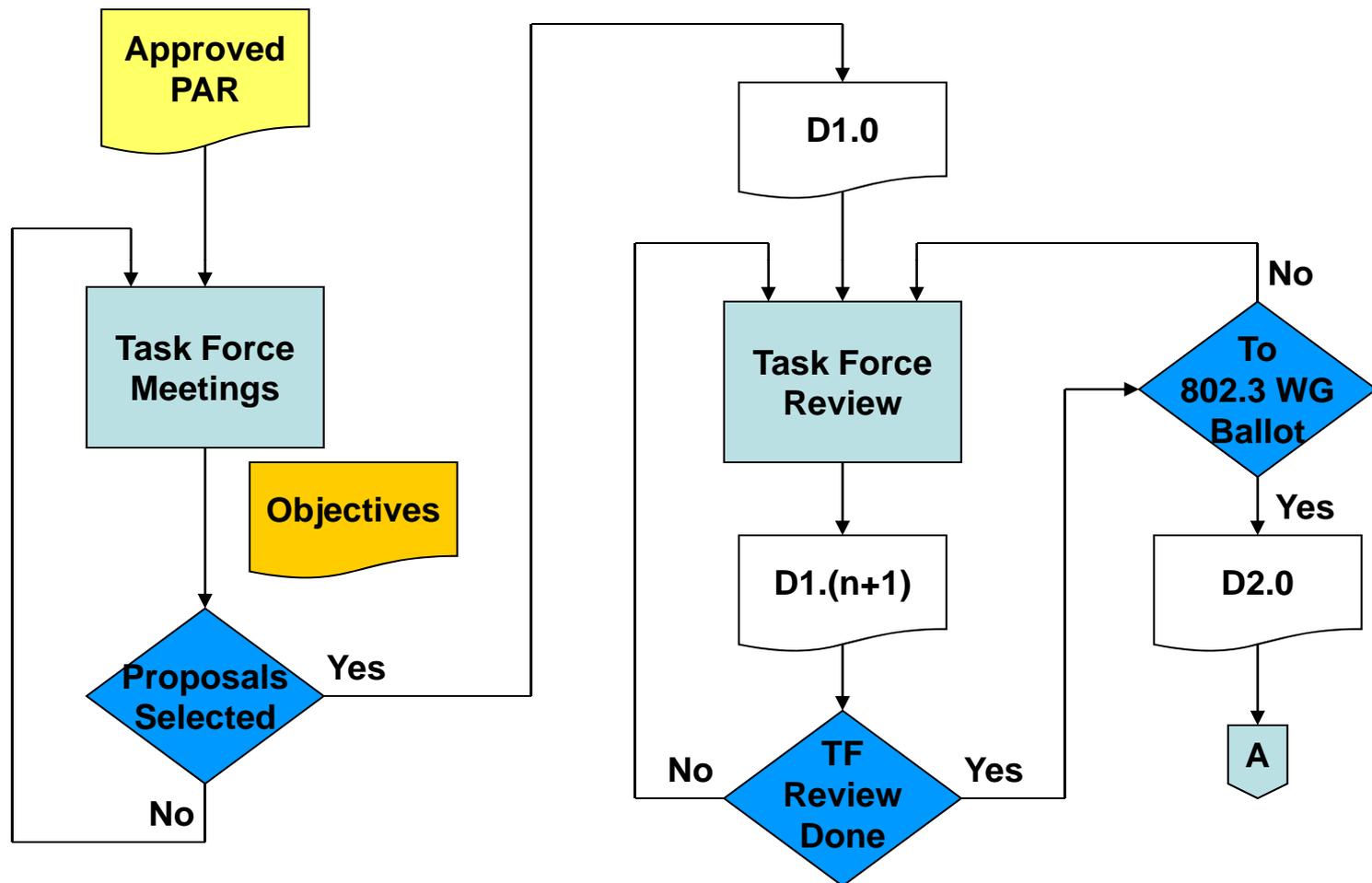 - **Don't be silent if inappropriate topics are discussed … do formally object.**

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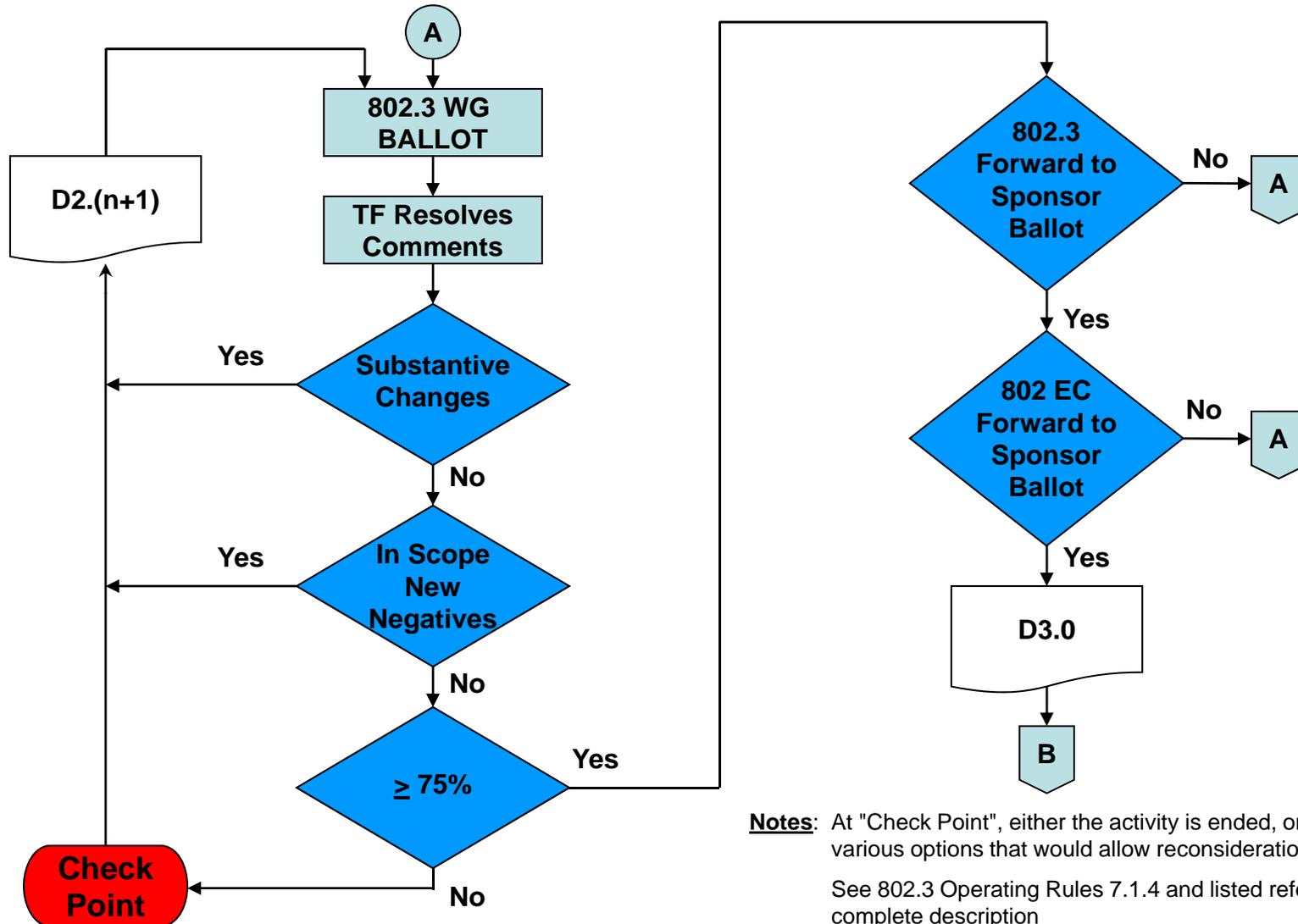# Overview of IEEE 802.3 Standards Process (1/5)- Study Group Phase

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

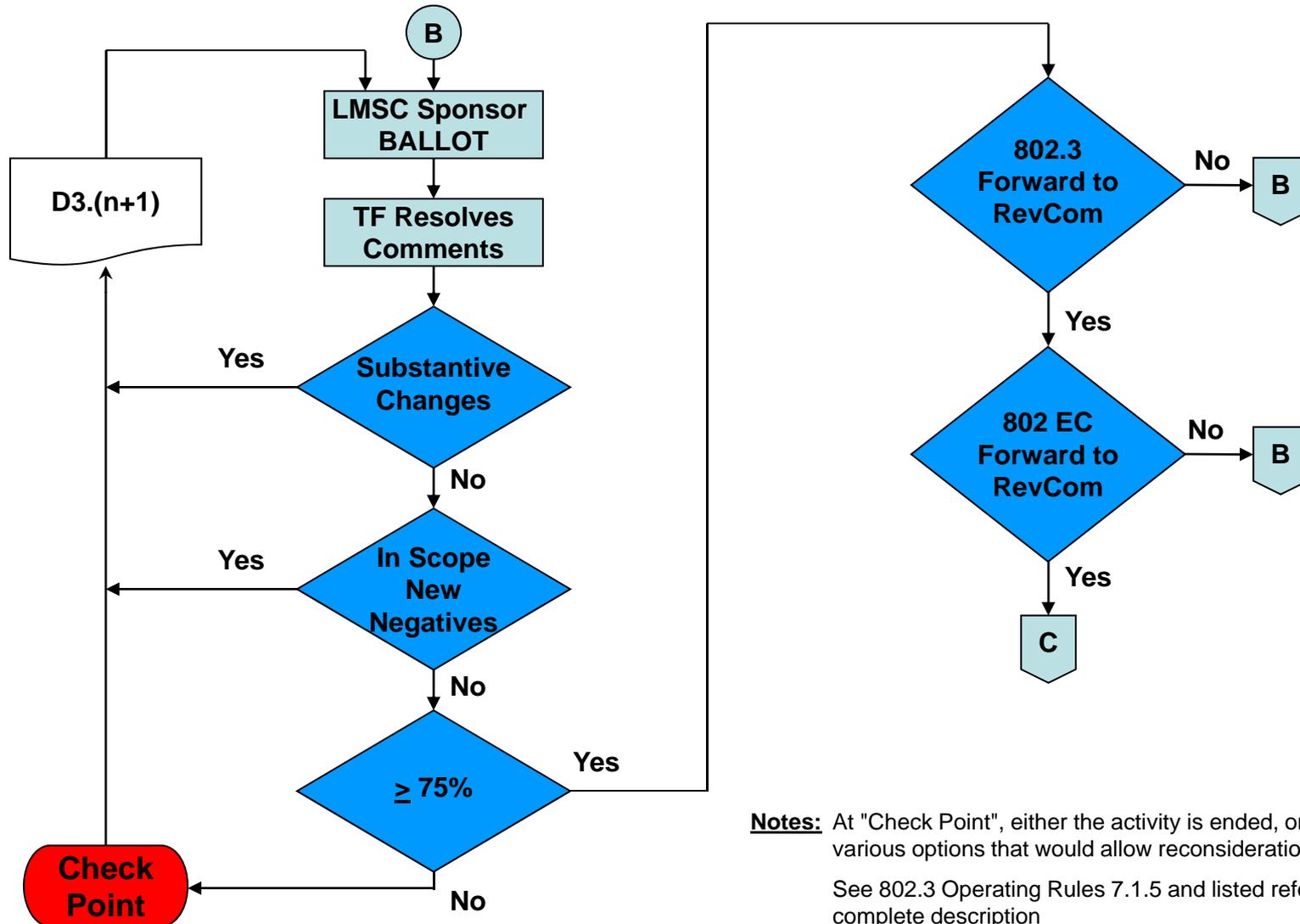# Overview of IEEE 802.3 Standards Process (2/5) – Task Force Comment Phase

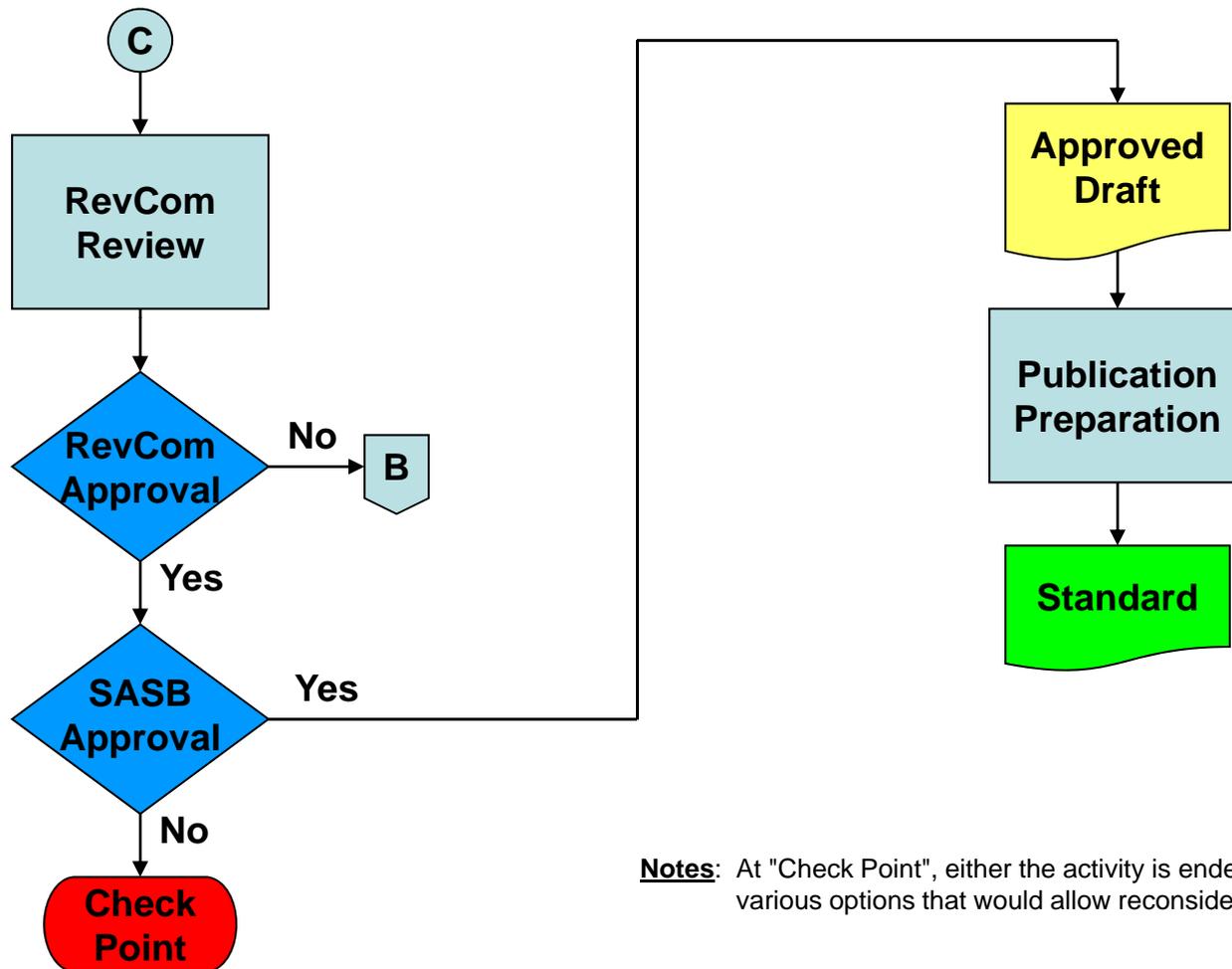# Overview of IEEE 802.3 Standards Process (3/5) – Working Group Ballot Phase

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

- None received

Presentations

- John D'Ambrosia – Dell - Introducing the 5 Criteria - 30
- Hugh Barrass and Howard Frazier – Guidelines for project objectives - 30
- Steve Shellhammer – Qualcomm - Questions on EPOC Technical Requirements - 45
- Mark Laubach – Broadcom - A View on Scope, Assumptions, and Needs - 30
- Edwin Mallette - Bright House Networks - Hybrid Fiber Coax, and EPON over Coax - 30
- Mark Laubach & Matt Schmitt - - Evaluation Criteria - 30
- Robert Howald – Motorola - Implications of New RF PHYs and Supporting Architectures for HFC Equipment Vendors - 20
- Boris Brun - Harmonic - HFC: New PHY- coexistence concerns and network limitations – 30
- Peter Wolff - Titan Photonics - Spectrum Proposal for EPoC - 20
- Mark Laubach - Broadcom - A first look at Modeling EPoC on Cable - 40
- Steve Shellhammer - Qualcomm - Project Authorization Request (PAR) Recommendations - 45
- Kevin Noll – Time Warner Cable – A high level perspective on EPoC requirements - 45

Social Reception

- Hosted by the Ethernet Alliance
- This evening (Wednesday)
- 6:30 – 8:00 pm
- Palms Pool Deck – 3rd floor
- Please wear your badge

Future Meetings

- See: http://www.ieee802.org/3/interims/index.html

- March 2012 Plenary
  - Waikoloa, HI
  - March 12 – 15, 2012

- May 2012 Interim
  - Venue T.B.D.
  - Week of May 14th

- If anyone is interested in hosting a meeting, you must contact me or Steve Carlson

Future Meetings

- Straw polls:

I will attend the March plenary ___
I probably will attend the March plenary___
I probably will not attend the March plenary ___
I will not attend the March plenary ___

I will attend the May interim ___
I probably will attend the May interim ___
I probably will not attend the May interim ___
I will not attend the May interim ___

Thank You!