

# Extended EPON Study Group opening report

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# Outline

- » Appointment of Recording Secretary
- » 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
- » 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.
- » The meeting room network is prepared and sized accordingly for the needs of our group. Please use the following access information:
  - > SSID: **Fairmont\_Meeting**
  - > Customer code: \*\*\*\*
  - > Group code: \*\*\*\*\*
- » The network in the meeting room is set up to support 450 IP addresses. Please, use the guest/lobby network for your smartphones and tablets, to prevent IP address exhaustion on the meeting network.
- » **Special thanks to the Ethernet Alliance for hosting this meeting**

# Attendance

- » Tutorial Material on attendance tool
  - > [http://ieee802.org/3/minutes/nov11/1111\\_imat.pdf](http://ieee802.org/3/minutes/nov11/1111_imat.pdf).
- » URL (Valid for this meeting only)
  - > URL: <https://seabass.ieee.org/imat/>
  - > Meeting attendance code: **\*\*\*\*\***
- » The attendance in any Study Group at the meeting counts towards the meeting credit. Please make sure you are signed in for the day.

# Study Group Decorum



- » Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (2008 SASB Op Manual 5.3.3.5)
- » Photography or recording by permission only (5.3.3.4)
- » Cell phone ringers off
- » 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 this meeting

- » Hear and discuss any presentations associated with [approved project objectives](#), in preparation for the technical work under Task Force
- » No technically binding decisions can be made at this time. We can discuss technical merits of proposed solutions, compare them and prepare materials for the Task Force.
- » Baseline proposals, motions to select specific technical solution etc. are to be delayed until the Task Force meetings start

# Email reflector and web

- » Currently 94 subscribers on Extended EPON SG reflector
- » To subscribe to Extended EPON SG reflector, send email to: [listserv@ieee.org](mailto:listserv@ieee.org) and include this line in the body of the message:  
*subscribe stds-802-3-EXTND-EPON firstname lastname*
- » Detailed information is available at:  
[http://www.ieee802.org/3/EXTND\\_EPON/reflector.html](http://www.ieee802.org/3/EXTND_EPON/reflector.html)
- » Study Group web page URL:  
[http://www.ieee802.org/3/EXTND\\_EPON/index.html](http://www.ieee802.org/3/EXTND_EPON/index.html)

# Introductions

- » Please, state
  - > Your name
  - > Your affiliation

## **IEEE SA Standards Board Operations manual**

### **5.3.3.1 Disclosure of affiliation**

Each participant's affiliation shall be disclosed at any working group or project meeting. The chair or the chair's delegate shall inform the meeting of the requirement for disclosure of affiliation (see 5.2.1.5 of the IEEE-SA Standards Board Bylaws). This shall be via a sign-in (e.g., sign-in sheet, electronic sign-in, verbal disclosure, or electronic communication) that provides for disclosure of employer and any other affiliation, a reminder of the definition of affiliation, and possible penalties for non-compliance.

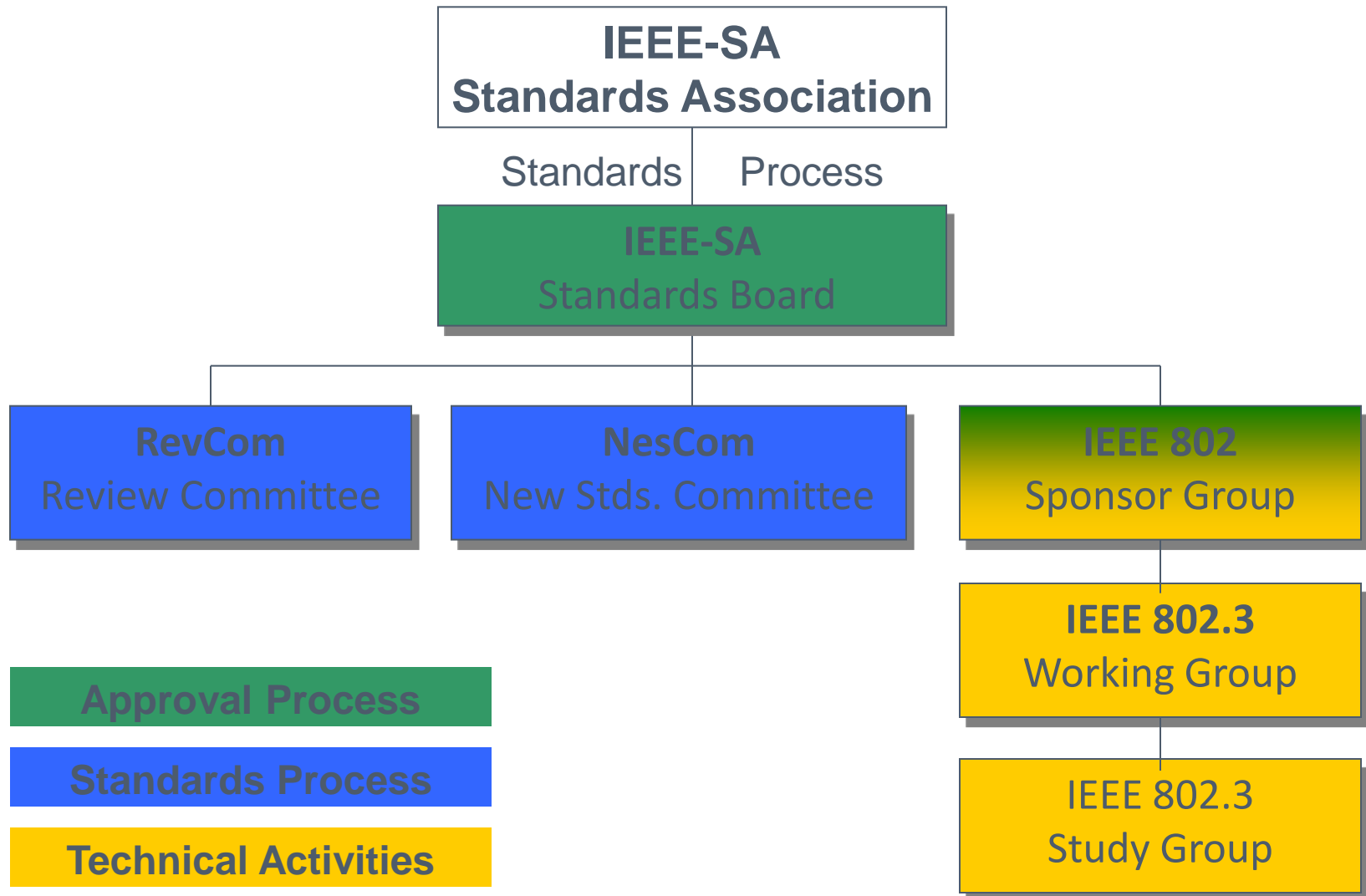
...

The minutes of each working group or project meeting shall record a list of attendees and the disclosed affiliation of each attendee.

# 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

# IEEE Structure



# 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](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)

# Guidelines for IEEE-SA Meetings

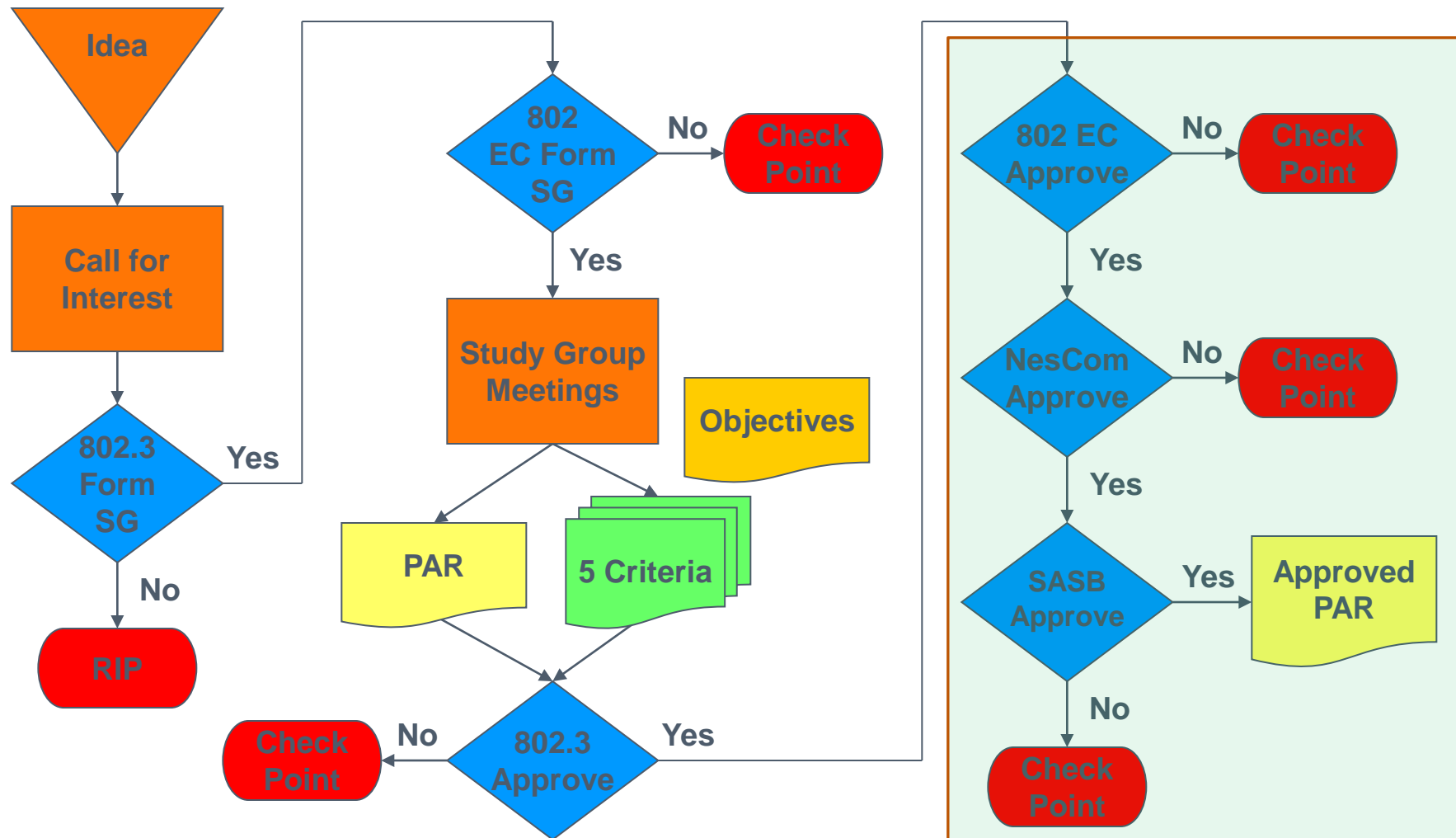
- » All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.
- » Don't discuss the interpretation, validity, or essentiality of patents/patent claims.
- » Don't discuss specific license rates, terms, or conditions.
  - > Relative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

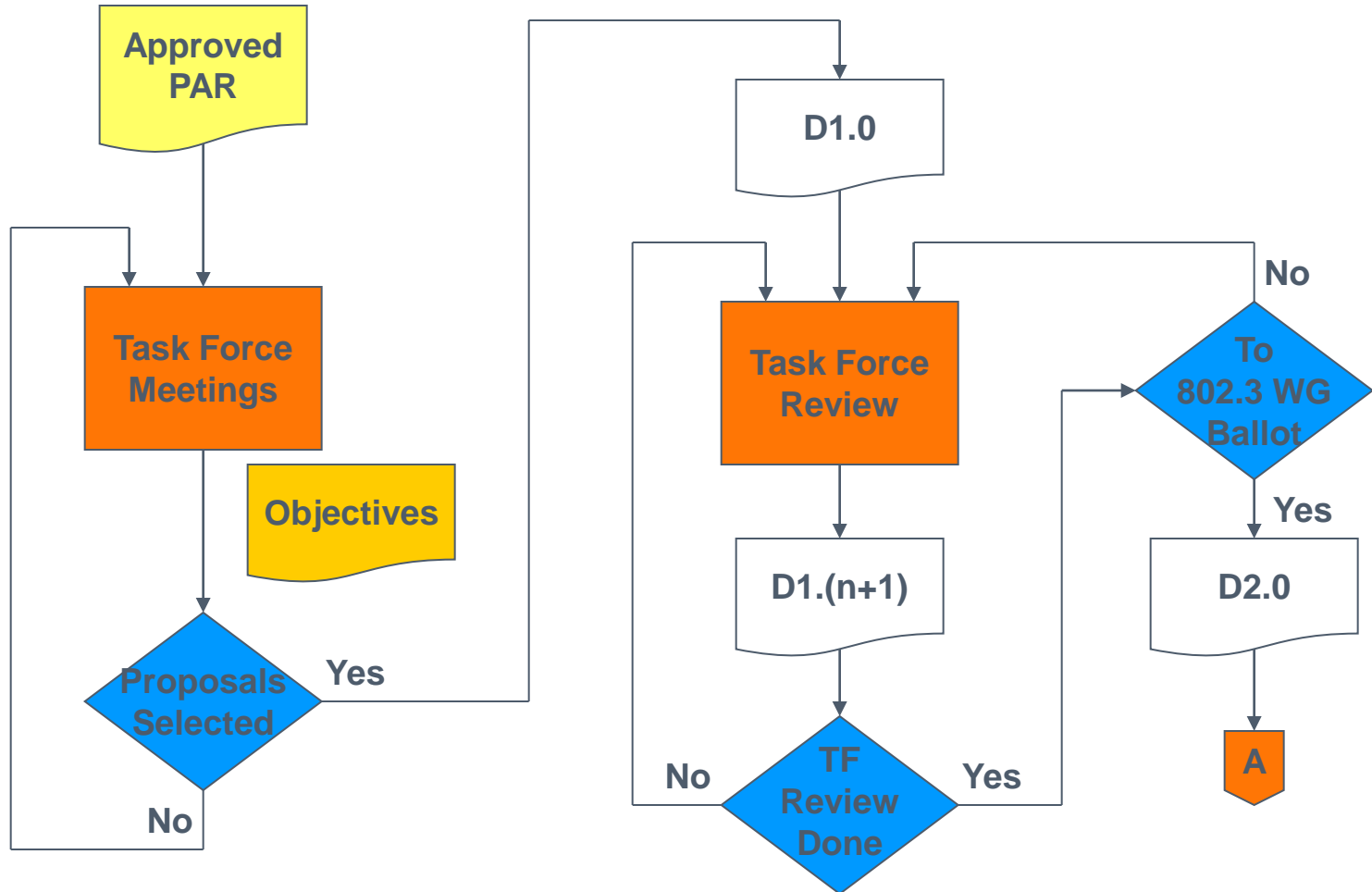
## Study Group Phase



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

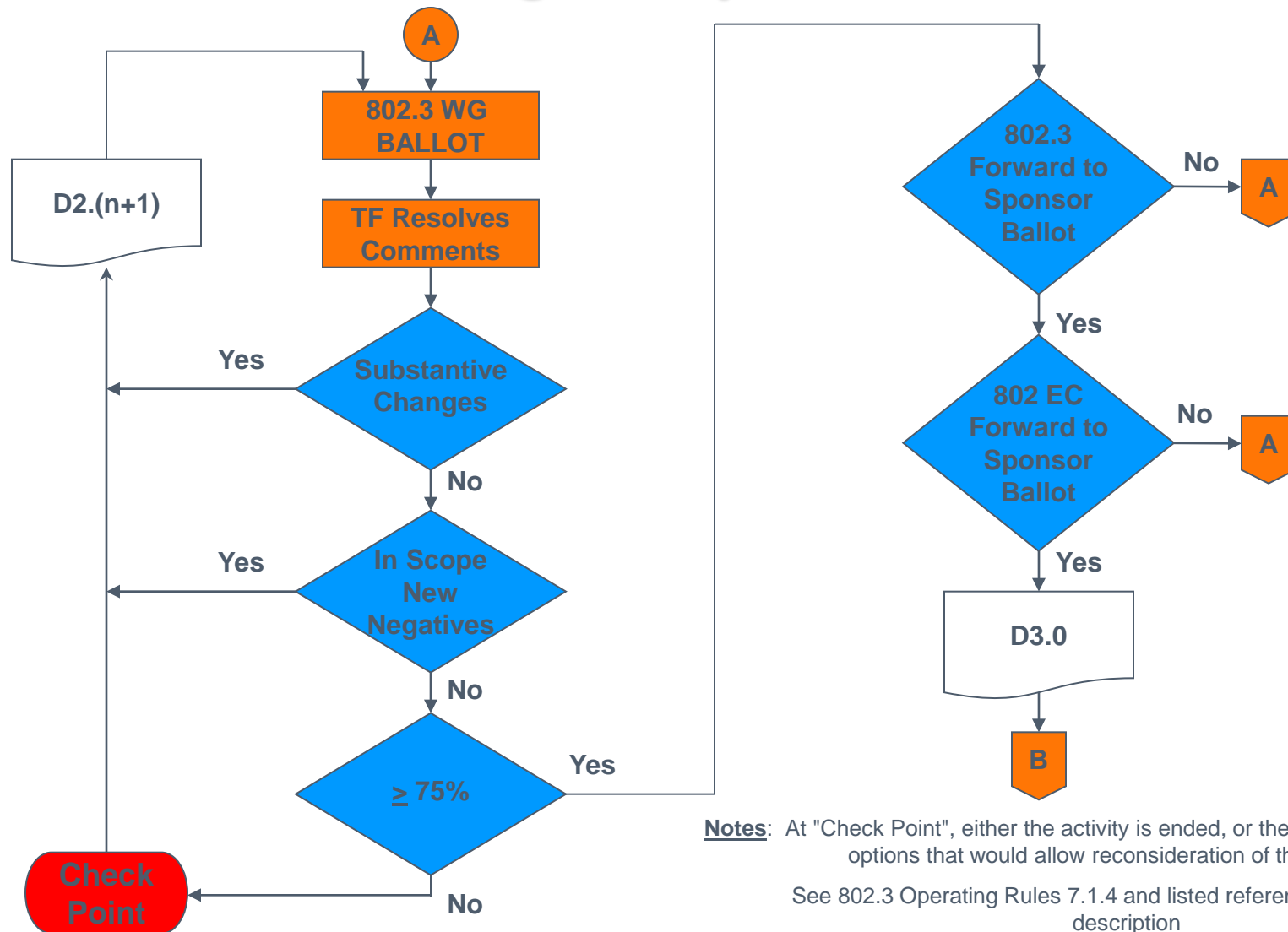
# Overview of IEEE 802.3 Standards Process (2/5)

## Task Force Comment Phase



# Overview of IEEE 802.3 Standards Process (3/5)

## Working Group Ballot Phase

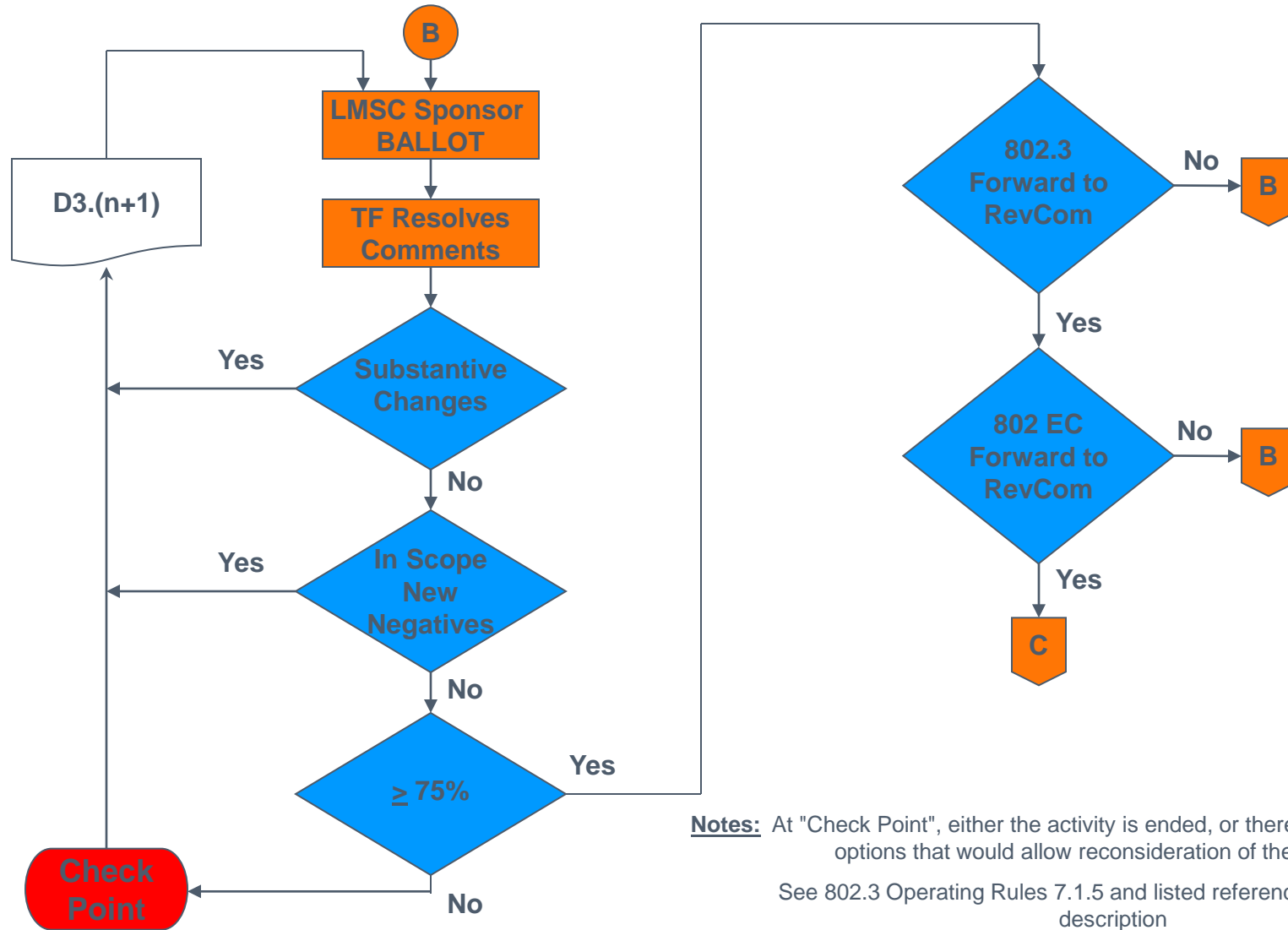


**Notes:** At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

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

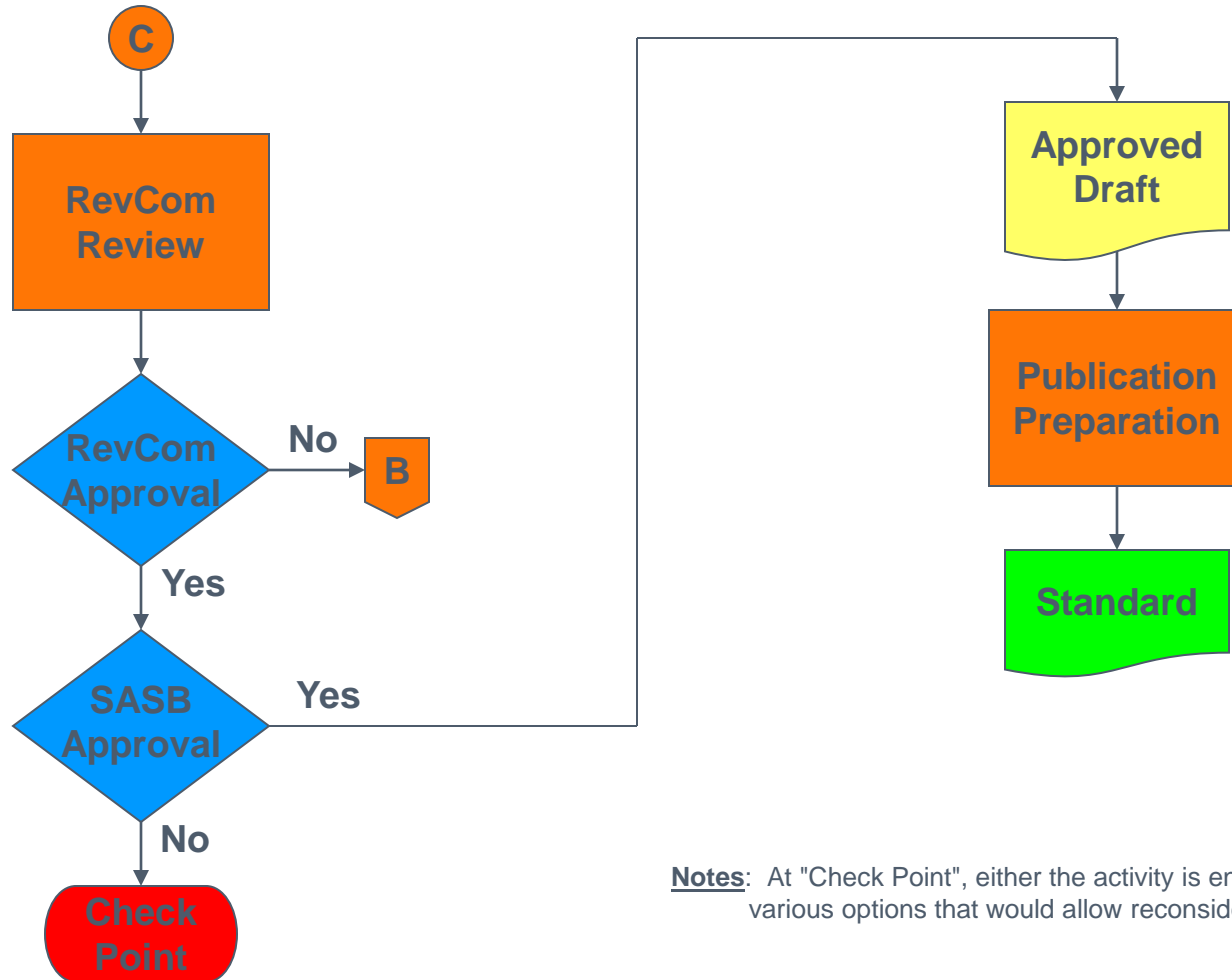


**Notes:** At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

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.

# The Study Group

- » Normal function is to draft a complete PAR and Five Criteria
- » Provide a plenary week tutorial to the LMSC.
- » Gain approval at the WG 802.3, 802 SEC, IEEE NesCom and IEEE-SA Standards Board.
  
- » SG only exists for 6 months
  - > Extensions can be requested
  - > Voted on by 802.3
  - > Ratified by SEC
- » Development of Objectives helps set the goals for the Task Force
- » Consensus (>75%) required to move forward
  
- » Not a goal – choosing a solution.

# Request for Formation of Study Group (as per #19 Plenary Motion)

» Motion #19 from July 2011 plenary

## **MOTION #19**

Move the IEEE 802.3 Working Group authorizes the formation of a Study Group for “Extended EPON”.

M: M. Hajduczenia

S: D. Remein

> 50%

Y: 41, N: 0, A: 16

Passed 21-July-2011 6:14 pm

[http://www.ieee802.org/3/minutes/jul11/minutes\\_0711.pdf](http://www.ieee802.org/3/minutes/jul11/minutes_0711.pdf)

# Project documents

- » Project Authorization Request (PAR)

[ExEPON PAR approved.pdf](#)

- » Project Objectives

[ExEPON Objectives approved.pdf](#)

- » 5 Criteria

[ExEPON 5Criteria approved.pdf](#)

- » Public website

[http://www.ieee802.org/3/EXTND\\_EPON/index.html](#)

# Minutes from 2011 November meeting

- » Minutes (unapproved) from November 2011 meeting have been posted on website for almost 2 months:  
[http://www.ieee802.org/3/EXTND\\_EPON/public/1111/ExEPON\\_1111\\_minutes\\_unapproved.pdf](http://www.ieee802.org/3/EXTND_EPON/public/1111/ExEPON_1111_minutes_unapproved.pdf)
- » No requests for corrections have been received so far

# Approval of Last Meeting's Minutes

## Motion #1

- » Approve minutes of November 2011 meeting as recorded in ExEPON\_1111\_minutes\_unapproved.pdf and post them online as ExEPON\_1111\_minutes\_approved.pdf
- » Moved by: Duane Remein
- » Seconded by: Maggie Zang

(Procedural motion, > 50%)

Motion passed by voice vote without opposition.

# Agenda

## » Thursday: 09:00 – 17:00 (with lunch/coffee breaks)

- > Meeting opening
- > Technical contributions in the following order
  - + [ExEPON 1201\\_mallette 1.pdf](#)
  - + [ExEPON 1201\\_li 2.pdf](#)
  - + [ExEPON 1201\\_li 1.pdf](#)
- > Informal communication to CCSA (discussion + draft letter generation)
- > Formation of “ODN ad-hoc” to study ODN elements and model loss/power budget for Study Group / Task Force consumption
- > Follow-up discussions

## » Friday: 09:00 – 17:00 (with lunch/coffee breaks)

- > Follow-up discussions
- > Motions, closing report & adjourn
- > We may end up in Thursday if agenda is exhausted.
- > Please watch out for reflector announcements of schedule changes.

# Approval of meeting's agenda

## Motion #2

- » Approve agenda for 2012 January meeting of ExEPON SG, as shown in ExEPON\_1201\_opening.pdf, slide 23
- » Moved by: Geoff Thompson
- » Seconded by: Alan Brown

(Procedural motion, > 50%)

Motion passed by voice vote without opposition

# Technical presentations

- 1) [ExEPON 1201 mallette 1.pdf](#)
- 2) [ExEPON 1201 li 2.pdf](#)
- 3) [ExEPON 1201 li 1.pdf](#)

# Information communication with CCSA

- » Background: early on, it was reported that CCSA is/was working on extended EPON optics' specification, parallel or overlapping with the effort in this SG. Request was made to establish communication and cooperation with CCSA in best serve EPON industry
- » Draft of information communication has been posted online as  
[ExEPON\\_1201\\_informal\\_communication\\_to\\_CCSA\\_draft.pdf](#)

# Approval of information communication with CCSA

## Motion #3

- » Approve the text of the informal communication with CCSA as posted at ExEPON\_1201\_informal\_communication\_to\_CCSA.pdf. SG Chair to deliver the approved document to recipients as necessary.
- » Moved by: Ed Mallette
- » Seconded by: Bill Powell

(Procedural motion, > 50%)

Motion passed by voice vote without opposition

# ODN ad-hoc

- » Purpose: study the ODN elements (connectors, splices, fibre, splitters/couplers) and develop loss budget and power budget models for the use of Study Group / Task Force (once approved at TF level) to facilitate validation of the power budget proposals from the membership. The tools developed will be published in the tools directory of the SG / TF.
- » Duration: until the end of the SG charter; may be extended by TF if needed
- » Appointed ad-hoc chair:  
Ed Mallette, Brighthouse Networks

# Future Meetings

- » See: <http://www.ieee802.org/3/interims/index.html>
  
- » 2012.03 802 Plenary Meeting
  - > Hilton Waikoloa Village, Big Island, Hawaii, USA
  - > Monday, March 12<sup>th</sup> through Thursday, March 15<sup>th</sup>, 2012
- » 2012.05 802.3 Interim Meeting
  - > location TBD
  - > Week of May 14, 2012
- » 2012.07 802 Plenary Meeting
  - > Grand Hyatt Manchester, San Diego, CA, USA
  - > Monday, July 16<sup>th</sup> through Thursday, July 19<sup>th</sup>, 2012
- » 2012.09 802 Interim Meeting
  - > ITU-T facilities, Geneva, CH
  - > Monday September 24<sup>th</sup> through Friday, September 28<sup>th</sup>, 2012
  
- » Anyone interested in hosting a meeting contact me for more information.

# Straw Poll #1

- » I will attend the IEEE 802 plenary meeting in Hilton Waikoloa Village, Big Island, Hawaii, USA, Monday, March 12<sup>th</sup> through Thursday, March 15<sup>th</sup>, 2012
  - > Yes: 8
  - > Maybe Yes: 2
  - > Maybe No: 0
  - > No: 0
- » I will attend the meeting of the Extended EPON Study Group, taking place during the IEEE 802 plenary meeting during the week of March 12<sup>th</sup>:
  - > Yes: 9
  - > Maybe Yes: 2
  - > Maybe No: 0
  - > No: 0

# Straw Poll #2

- » I will attend the IEEE 802 interim meeting during the week of May 14, 2012
  - > Yes: 9
  - > Maybe Yes: 2
  - > Maybe No: 1
  - > No: 0
- » I will attend the meeting of the Extended EPON Study Group, taking place during the IEEE 802 interim meeting during the week of May 14, 2012:
  - > Yes: 9
  - > Maybe Yes: 1
  - > Maybe No: 1
  - > No: 0

# Thank You!