Extended EPON P802.3bk Task Force

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Extended EPON Task Force
802.3 plenary meeting, Orlando, FL, USA – March 2013

Agenda

» Appointment of Recording Secretary
» Welcome and introductions
» Approve agenda
» Approve January 2013 TF minutes
» Goals for this meeting
» Reflector and Web
» Ground Rules
» IEEE
  > Structure
  > Bylaws and Rules
  > Call for Patents
  > IEEE Standards Process
» P802.3bk PAR
» Presentations & comment resolution
» Future Meetings
» Motions and Closing Business

Schedule

» **Tuesday: 8:00 – 17:00**

> Meeting opening

> Resolution of Draft D2.1 comments (19 in total)

> Draft D3.0 and associated topics

> Follow-up discussions

> Meeting closing

Except for Call To Order times, all times in the agenda are approximate and for guideline purposes only. Please watch the email reflector for changes in the agenda and meeting times.

Motion #1

» Approve agenda for 2013 March meeting of Extended EPON Task Force, as shown in 8023bk_1303_report.pdf, slide 2 and 3.

» Moved by: Edwin Mallette
» Seconded by: Susumu Nishihara

(Procedural motion, > 50%)

Motion passed by voice vote without opposition (08:03)

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.

Task Force 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

» Organizational business for this meeting

> Approval of minutes from January 2013 interim

» Resolve 22 comments against D2.1

> Three (3) technical comments were withdrawn, leaving 19 editorial comments for processing at the meeting

» Charter editor with creating next version of the draft:

> If technical changes are made to the draft, D2.2 will be generated and a 802.3 WG recirculation ballot will be started.

> If no technical changes are made to the draft, D3.0 will be generated and a Sponsor Ballot will be started

» No requests for new technical presentations have been received.

Attendance

» Tutorial Material on IEEE attendance tool

> http://www.ieee802.org/3/minutes/mar13/0313_imat.pdf

» To record your attendance for this meeting

> Go to URL: https://imat.ieee.org/attendance

> ***NO*** meeting access code

> IEEE account login and password required

> Sign in to "Attendance Tool"

> Select "C/LM/WG802.3 Attendance"

> Confirm your attendance for the day

Email reflector and web

» Currently 116 subscribers on Extended EPON TF reflector

» To subscribe to Extended EPON TF reflector, send email to: 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

» Task Force web page URL:
http://www.ieee802.org/3/bk/

» Study Group materials have been archived at:
http://www.ieee802.org/3/EXTND_EPON/index.html

TF Private Area

» Private area has been created at:
http://www.ieee802.org/3/bk/private/index.html

> Username: **802.3bk**

> Password: *******

» Write it down … password information is not posted on the website

» 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

IEEE Structure

IEEE-SA
Standards Association

Standards | Process

IEEE-SA
Standards Board

RevCom
Review Committee

NesCom
New Stds. Committee

IEEE 802
Sponsor Group

IEEE 802.3
Working Group

IEEE P802.3bk
Task Force

Approval Process

Standards Process

Technical Activities
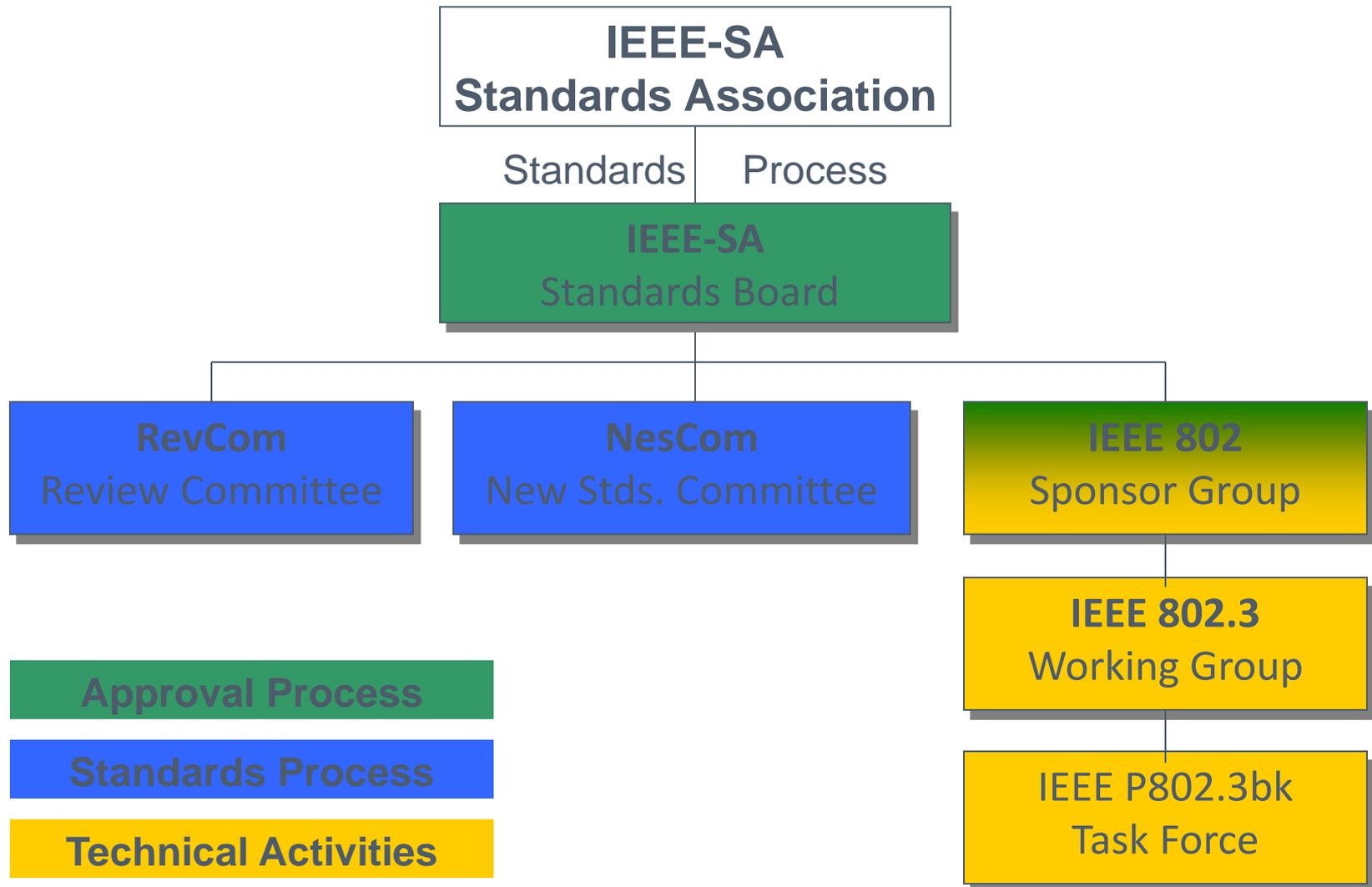
Important Bylaws and Rules

» **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 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.

25 March 2008 (updated January 2012)

◈IEEE

(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

◈IEEE

25 March 2008 (updated January 2012)

<u>Slide #1</u>

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

25 March 2008 (updated January 2012)

◆IEEE

<u>Slide #2</u>

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.
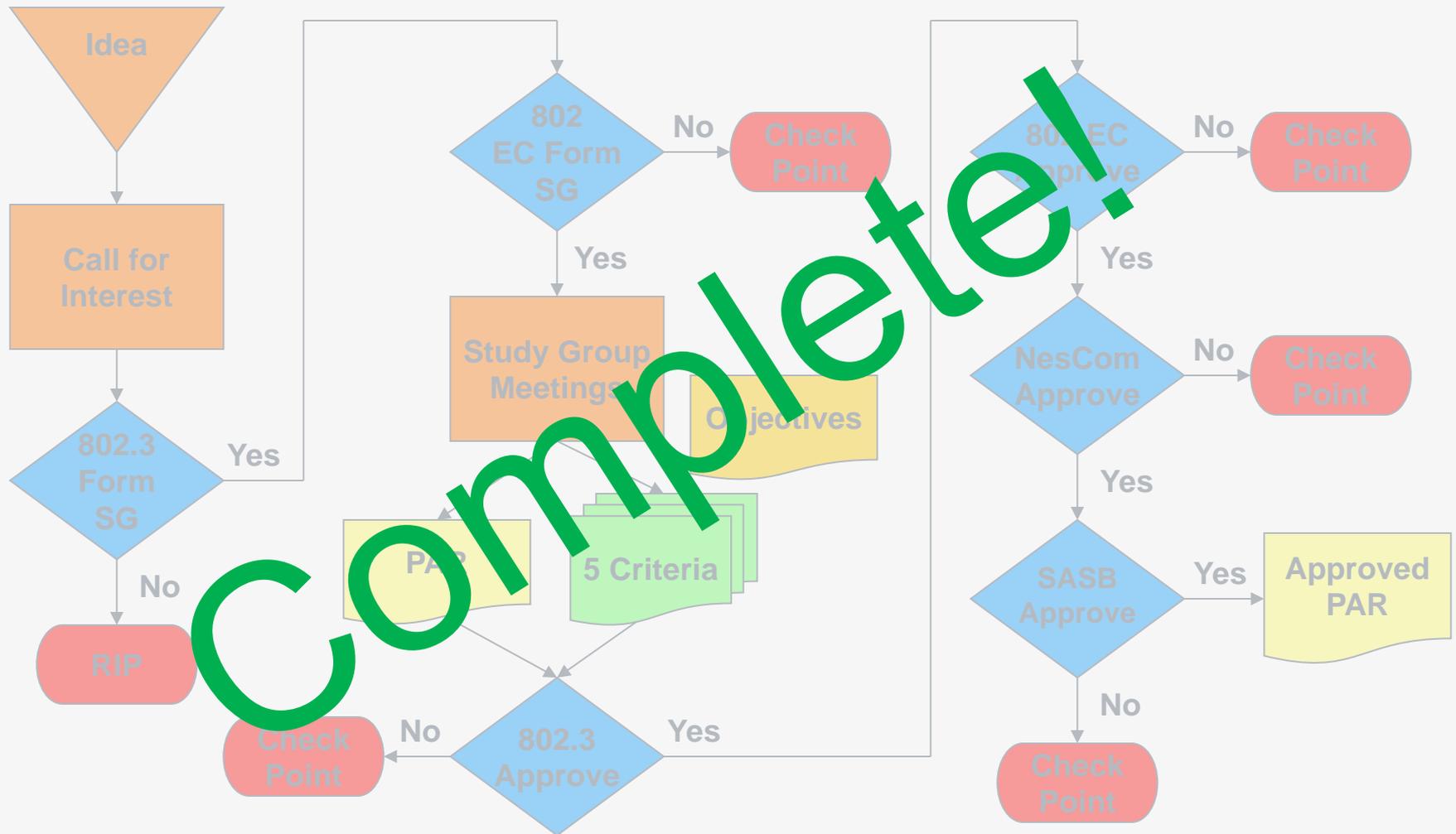
IEEE 802.3 Extended EPON Task Force (P802.3bk), 802.3 plenary meeting, Orlando, FL, USA
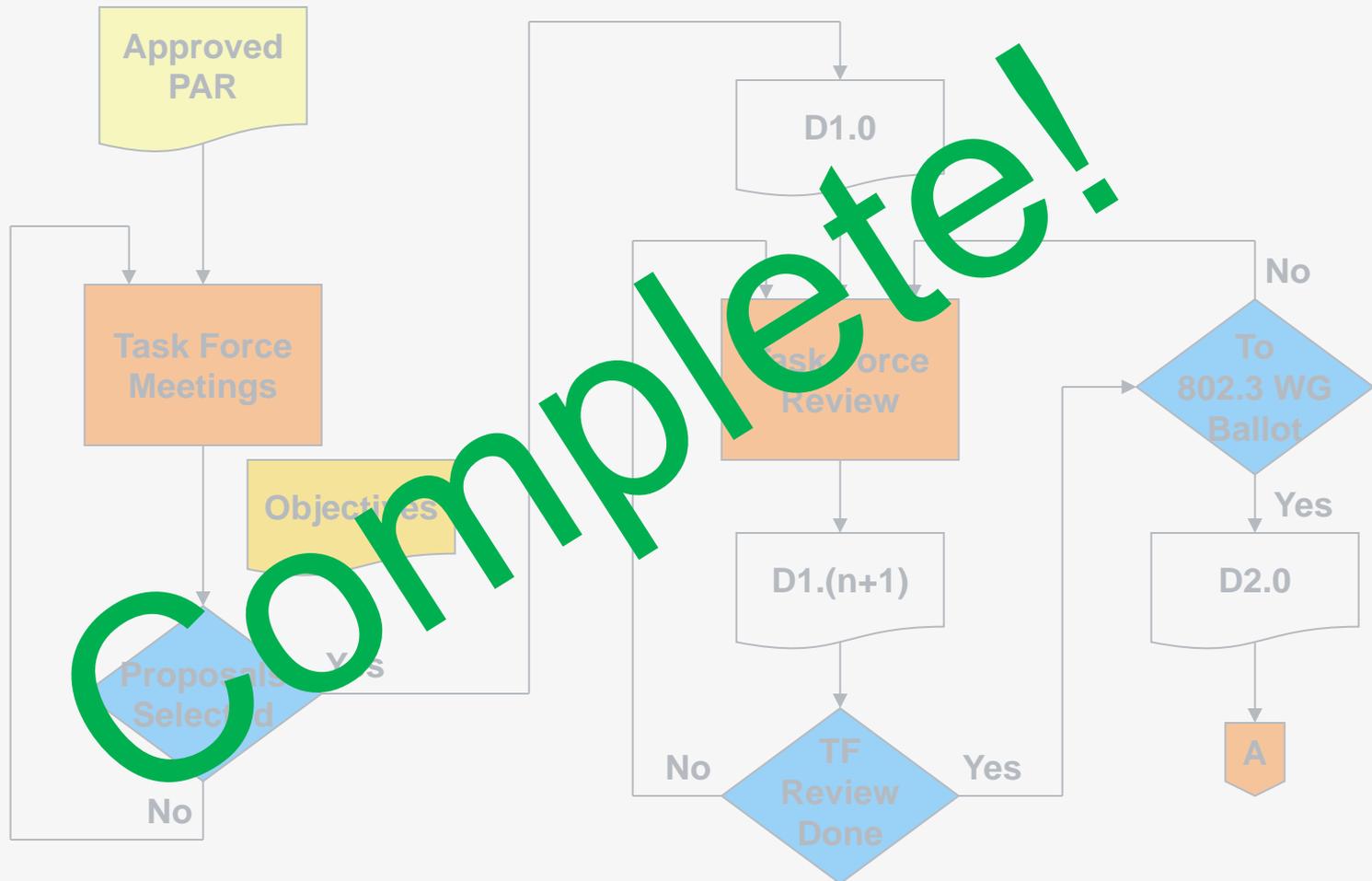
Note: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

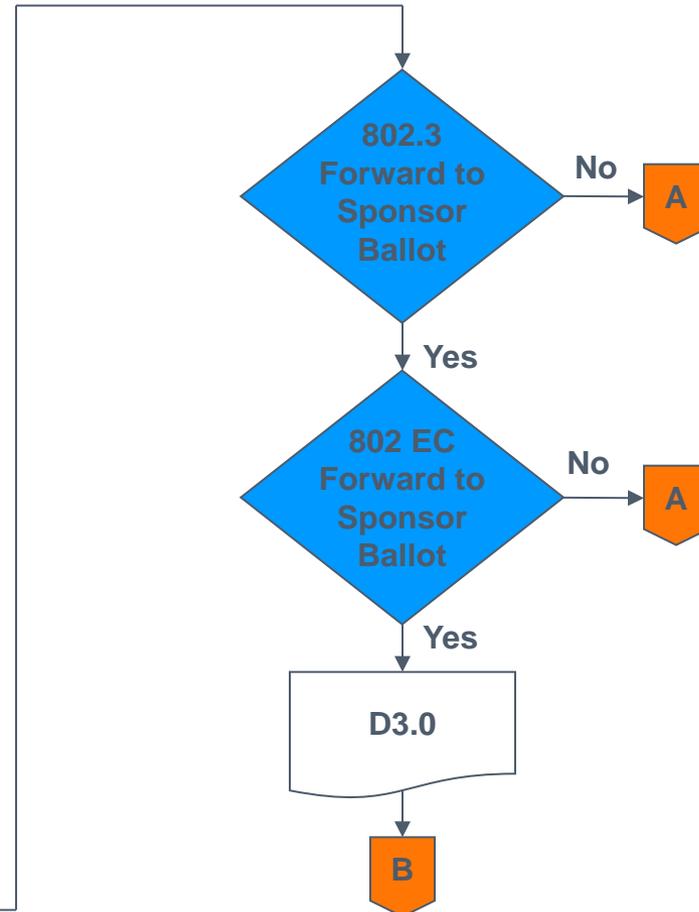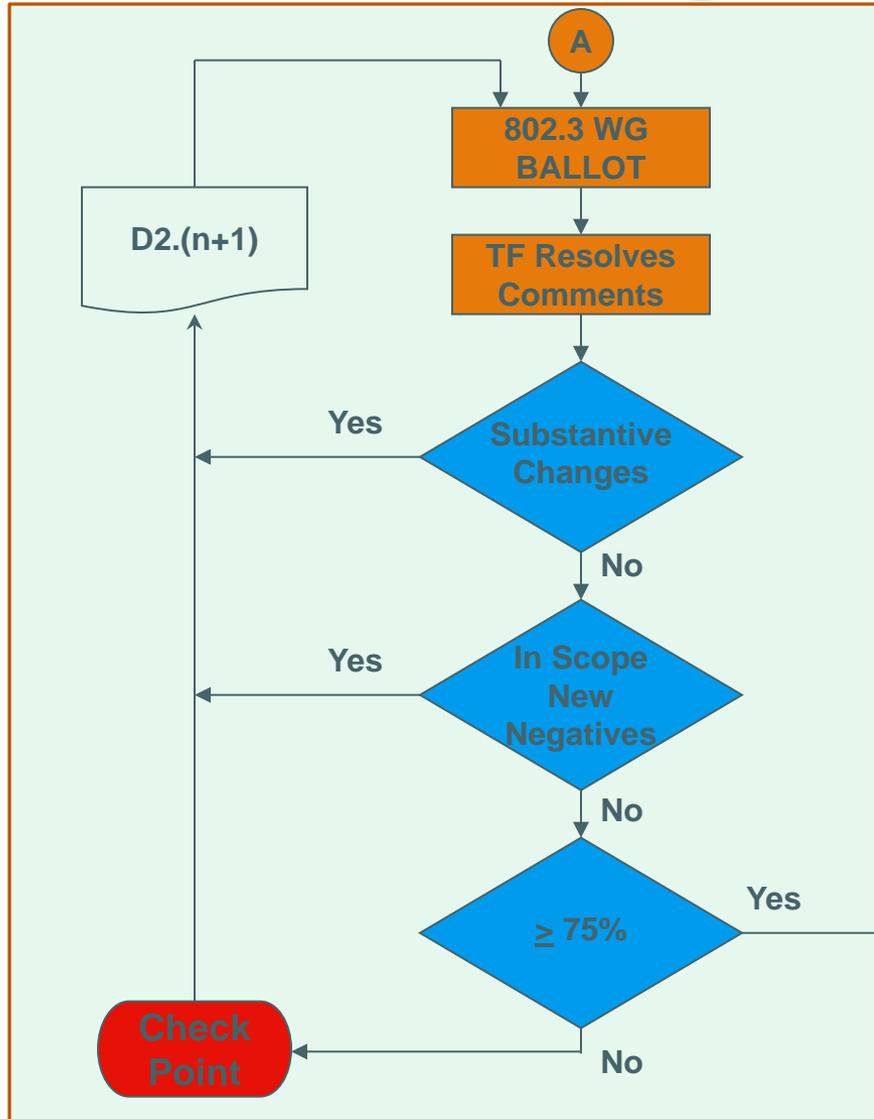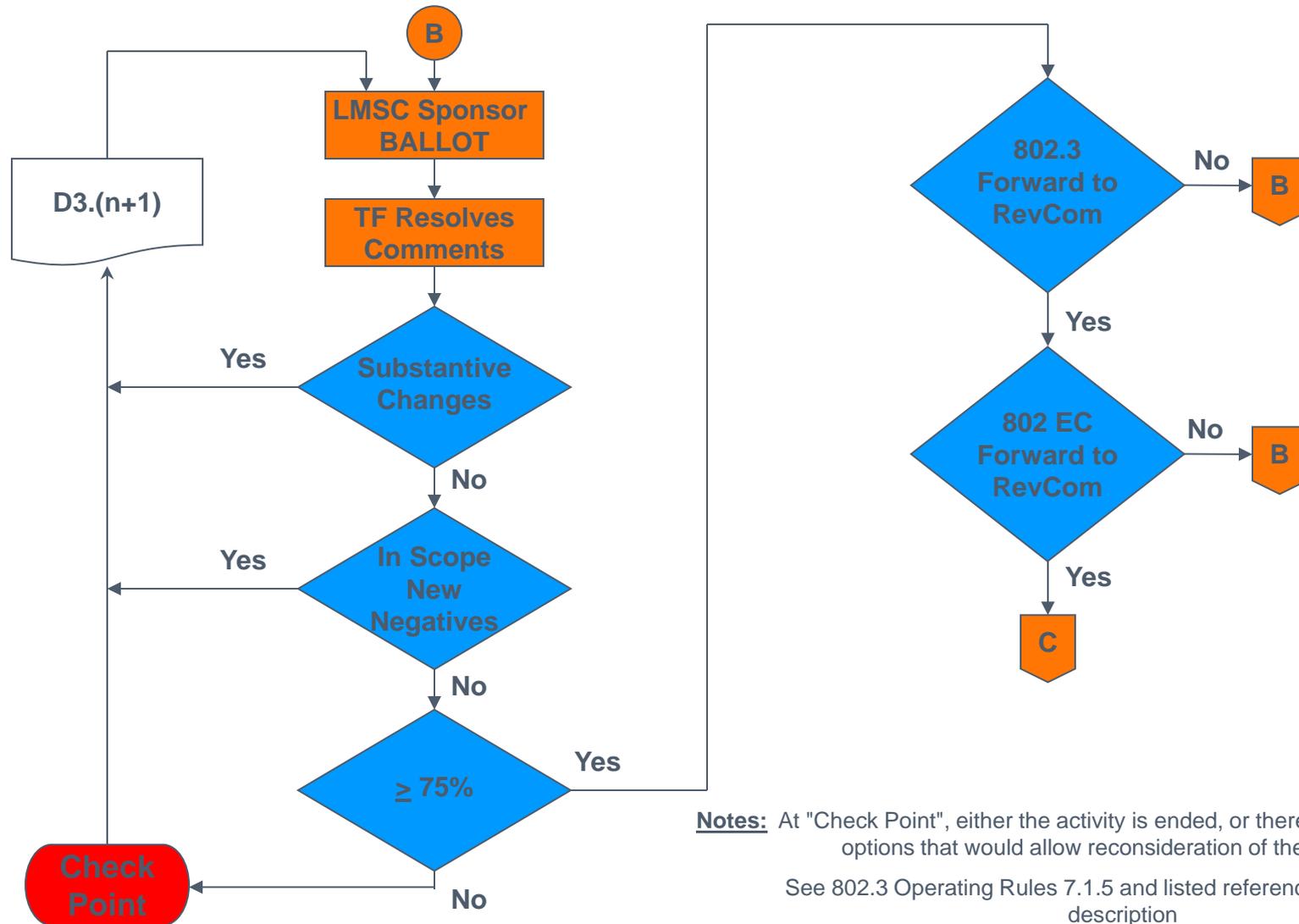**Notes**: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

See 802.3 Operating Rules 7.1.4 and listed references for complete description

B

LMSC Sponsor BALLOT

TF Resolves Comments

D3.(n+1)

Substantive Changes — Yes

No

In Scope New Negatives — Yes

No

≥ 75% — Yes → No → **Check Point**

802.3 Forward to RevCom — No → **B**

Yes
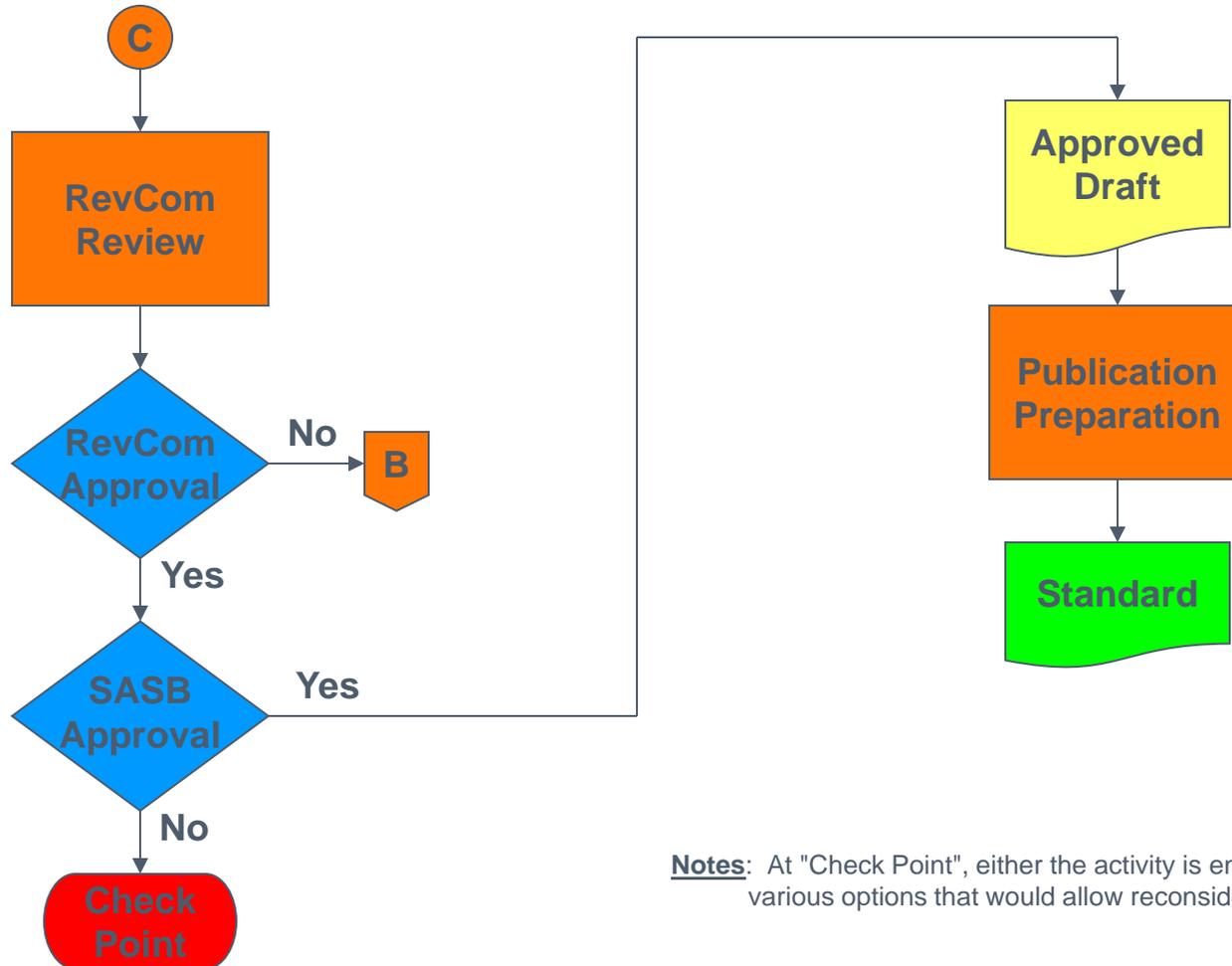
802 EC Forward to RevCom — No → **B**

Yes

C

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

C

RevCom Review

RevCom Approval — No → B

Yes

SASB Approval — Yes →

No

Check Point

Approved Draft

Publication Preparation

Standard

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

TF project documents

» Project Authorization Request (PAR), with changes from October 29, 2012
P802_3bk_PAR_291012.pdf

» Project Objectives
ExEPON_Objectives_approved.pdf

» 5 Criteria
ExEPON_5Criteria_approved.pdf

» Public website
http://www.ieee802.org/3/bk/

IEEE P802.3bk project objectives

» Support subscriber access networks using point-to-multipoint topologies on SM optical fiber

» EPON PHY(s) to have a BER better than or equal to 10^{-12} at the MAC/PLS service interface

» Provide physical layer specifications:

> for 1G-EPON supporting a downstream channel insertion loss of 29dB, compatible with PR(X)30 upstream channel insertion loss;

> for 1G-EPON supporting a split ratio of at least 1:64 at a distance of at least 20 km;

> for 10G-EPON, supporting a split ratio of at least 1:64 at a distance of at least 20 km;

IEEE P802.3bk project timeline

» D1.0

> Publish out of May 2012 meeting, start TF review cycle

» D2.0

> Publish out of November 2012 meeting, start WG ballot cycle

» D3.0

> Publish out of March 2013 meeting, start Sponsor ballot cycle

» Standard done: August 2013

Minutes from 2013 January meeting

» Minutes (unapproved) from January 2013 meeting have been posted on website for almost 2 months: http://www.ieee802.org/3/bk/public/1301/8023bk_1301_minutes_unapproved.pdf

» No requests for correction have been received by the start of this meeting

Motion #2

» Approve minutes of January 2013 meeting as recorded in 8023bk_1301_minutes_unapproved.pdf and post them online as 8023bk_1301_minutes_approved.pdf

» Moved by: Susumu Nishihara
» Seconded by: Wen Li

(Procedural motion, > 50%)

Motion passed by voice vote without opposition (08:17)

D2.1 review status

» The 2nd WG Ballot on P802.3bk D2.1:

> OPEN: 11th February 2013

> CLOSE: 25th February 2013 23:59 AOE

Voters	232					
Approve	99		**Response rate:**	**55.17%**	A = Approve	
Disapprove with comment	0		**Approval rate:**	**100.00%**	C = Approve/Comments	
Disapprove without comment	0		**Abstain rate:**	**22.66%**	D = Disapprove	
Abstain	29				E = Abstain/Expertise	
Returns	128		**Need to return:**	**-11**	T = Abstain/Time	
Comments	18		**Need to flip:**	**-25**	O = Abstain/Other	
Comments w/ floor	22					

Draft	D2.0	D2.1
Response rate	53.88%	55.17%
Approval rate	91.67%	100%
Comments	106	22

D2.1 comment distribution

3 T comments
(withdrawn)
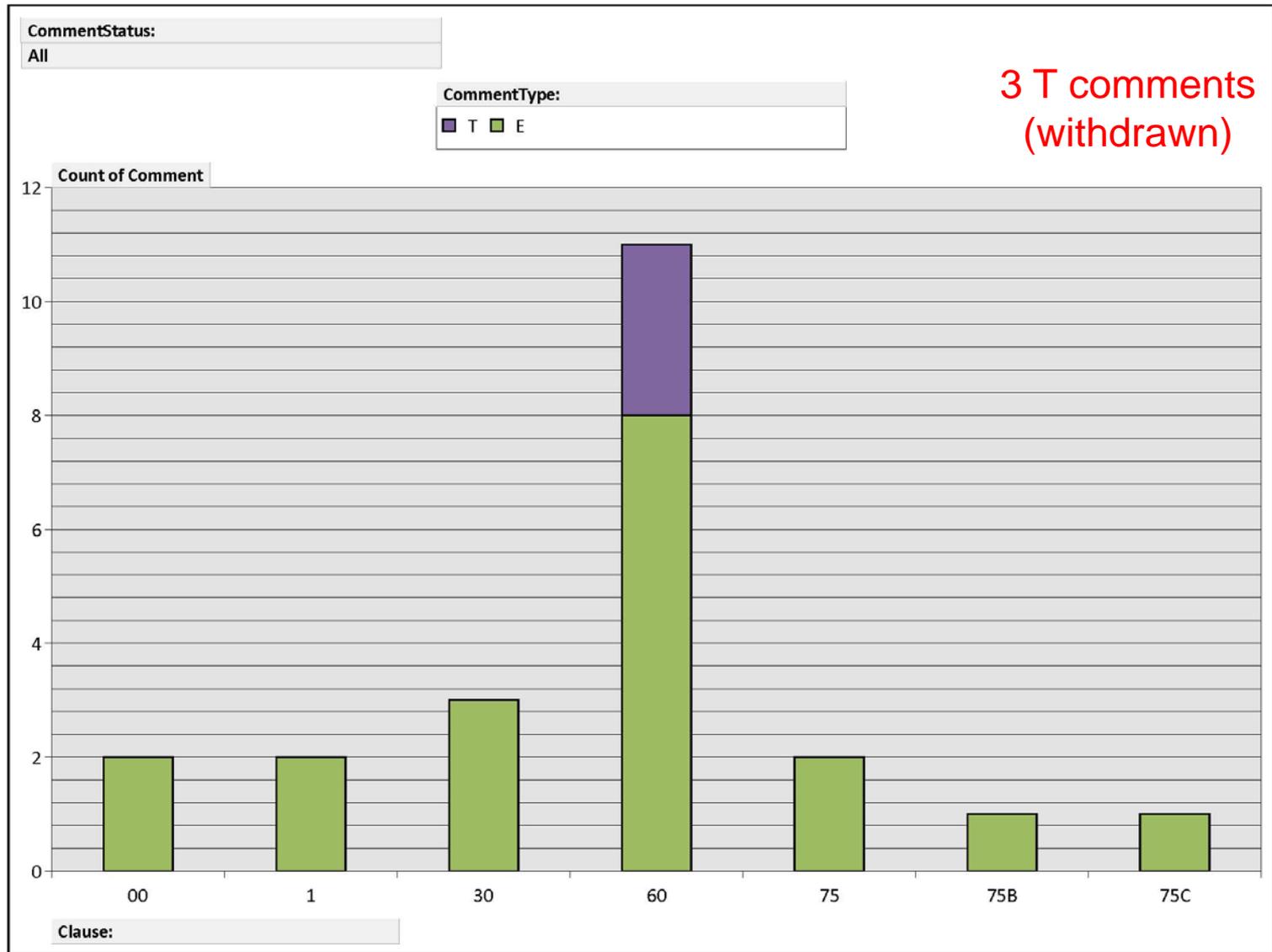
Motion #3

» Charter the Editor with creating draft D3.0 by incorporating approved responses to all received comments into draft D2.1.

» The Editor has a license to resolve conflicts and apply editorial changes as needed.

» Moved by: Edwin Mallette
» Seconded by: Akio Tajima

(Technical motion, requires ≥75%)

Yes: 5 / No: 0 / Abstain: 0 /

Motion passed (09:03)

Motion #4

» Request IEEE 802.3 WG Chair to open Sponsor Ballot on IEEE P802.3bk draft D3.0.

» Moved by: Susumu Nishihara

» Seconded by: Edwin Mallette

(Technical motion, requires ≥75%)

Yes: 6 / No: 0 / Abstain: 0 /

Motion passed (09:04)

Future Meetings

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

» 2013.05 802.3 interim meeting
  > The Fairmont Empress, Victoria, BC, Canada
  > Week of May 13, 2013

» 2013.07 802 plenary meeting
  > ITU facilities, Geneva, Switzerland
  > Monday, July 15th through Thursday, July 18th, 2013

» 2013.09 802.3 interim meeting
  > York Racecourse Conference Center, York, UK
  > Week of September 2, 2013

» Anyone interested in hosting a meeting contact me for more information.

Straw Poll #1

» I will attend the IEEE 802.3 interim meeting in The Fairmont Empress, Victoria, BC, Canada, during the week of May 13th

  > Yes: 5

  > Maybe Yes: 0

  > Maybe No: 0

  > No: 2

» I will attend the meeting of the Extended EPON P802.3bk Task Force, taking place during the IEEE 802.3 interim meeting in The Fairmont Empress, Victoria, BC, Canada, during the week of May 13th (likely one day meeting):

  > Yes: 5

  > Maybe Yes: 0

  > Maybe No: 0

  > No: 0

Thank You!