Extended EPON P802.3bk Task Force

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Extended EPON Task Force
802.3 interim meeting, Geneva, Switzerland – September 2012

Outline

» Appointment of Recording Secretary
» Welcome and introductions
» Approve agenda
» Approve July TF minutes
» 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

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

» Resolve all received comments against D1.1

» Charter TF Editor with the creation of draft D1.2 and publish as soon as possible

» Pre-submit D1.2 for Working Group ballot.

» Review and discuss any received technical contributions

» Review communication from CCSA received on 17th of September and generate response

Email reflector and web

» Currently 117 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 802.3
Study Group

Approval Process

Standards Process

Technical Activities
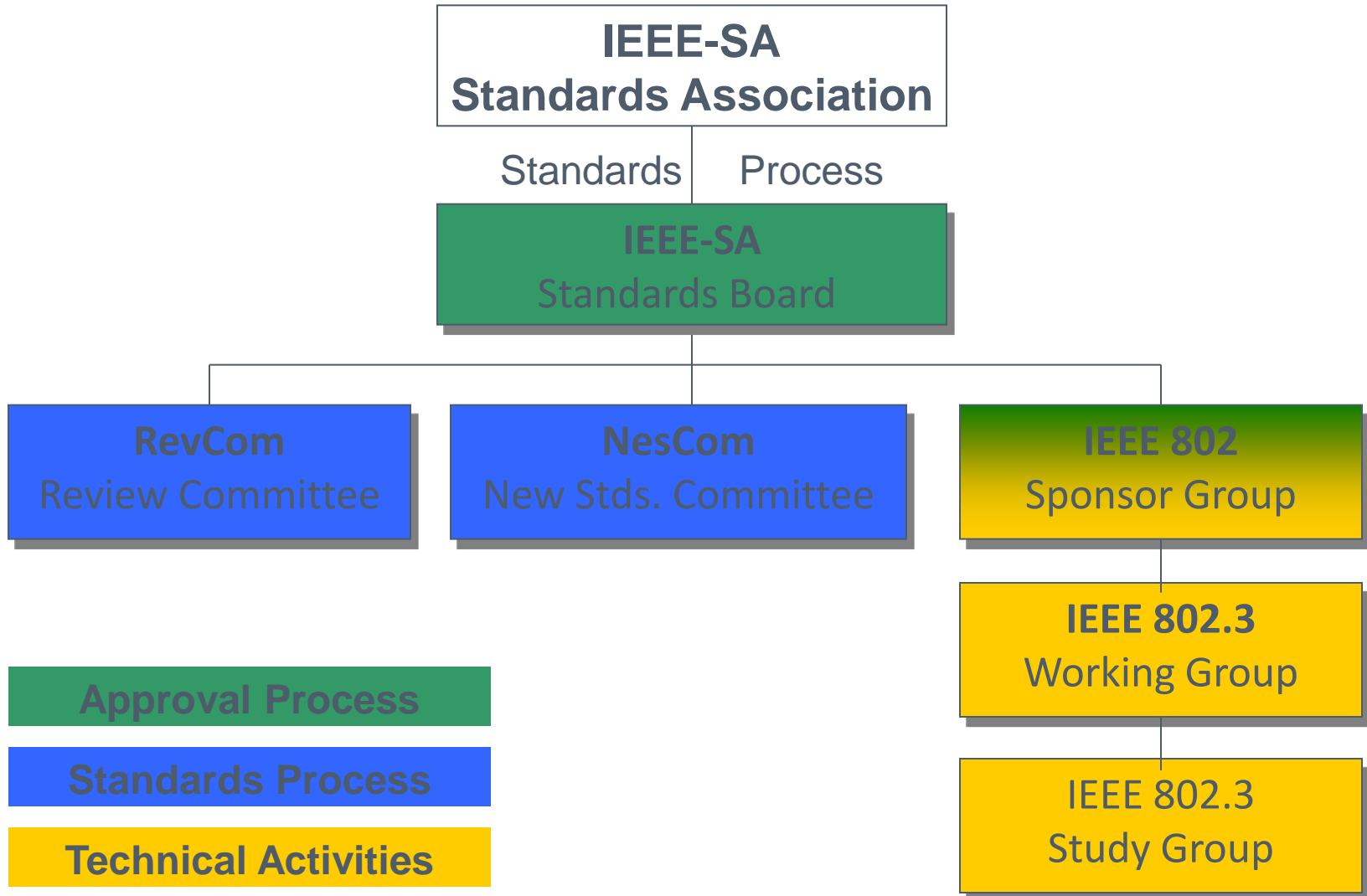
Important Bylaws and Rules

» **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 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

Slide #2

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

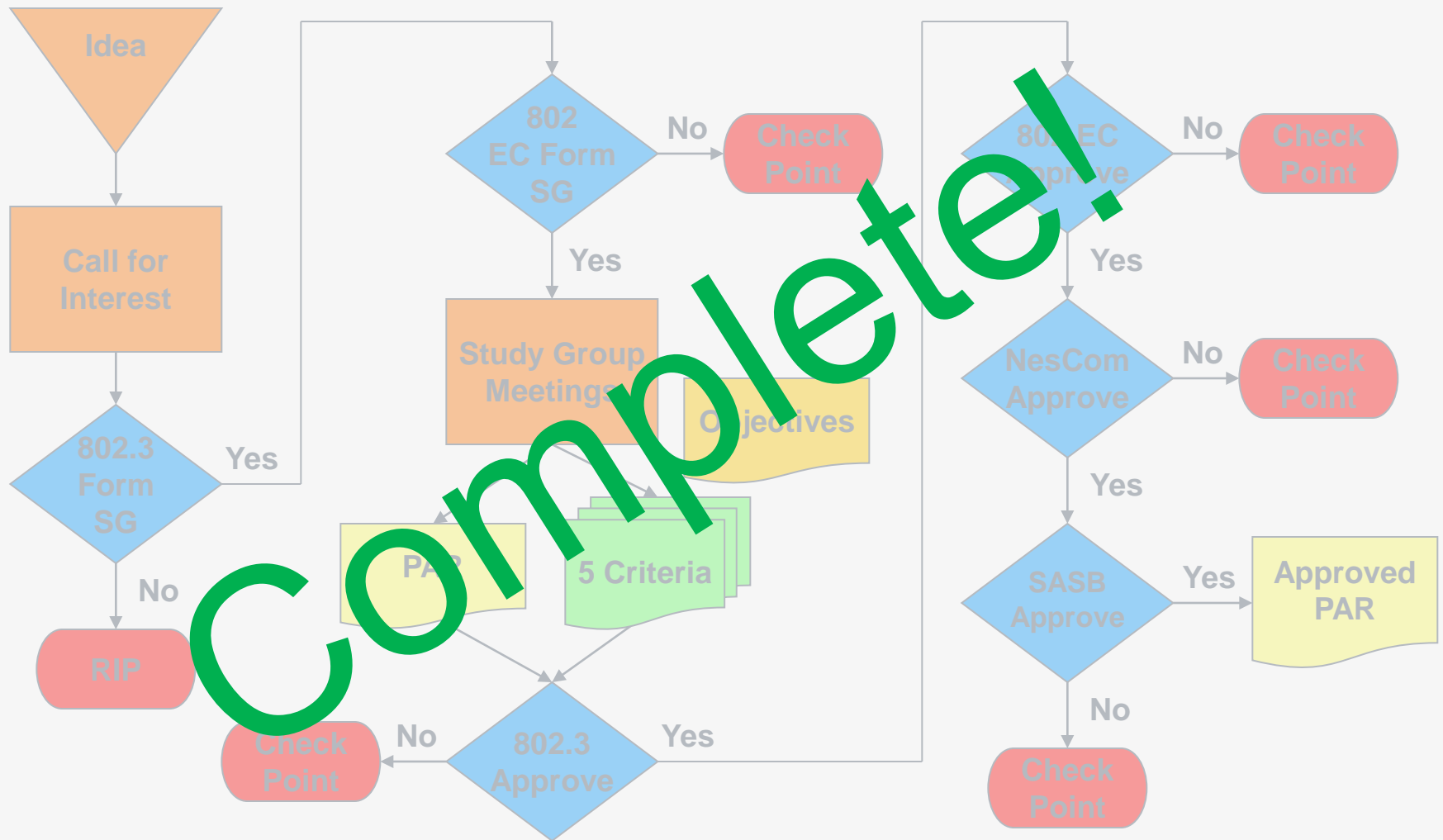25 March 2008 (updated January 2012)

◆IEEE

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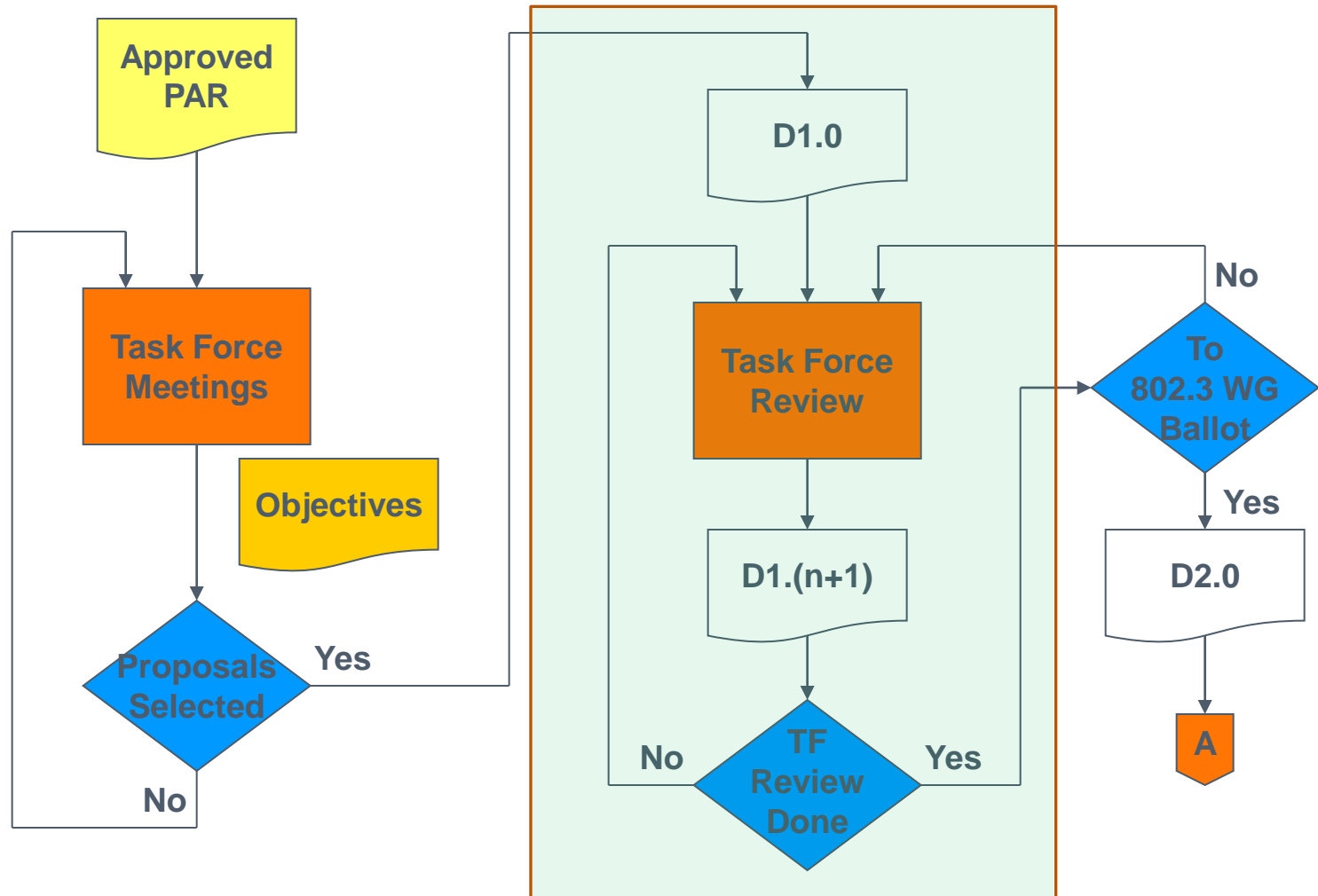
Note: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.
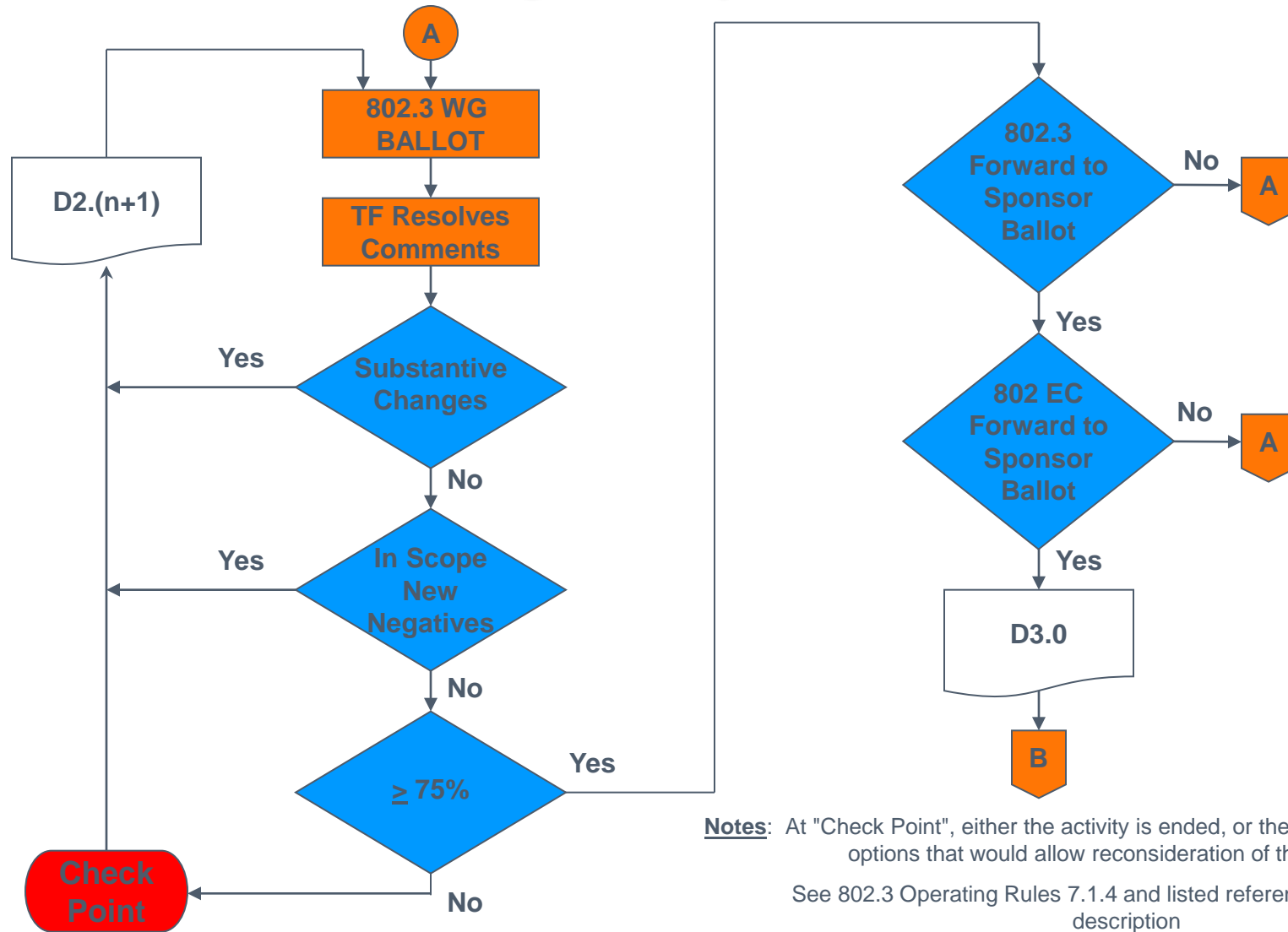
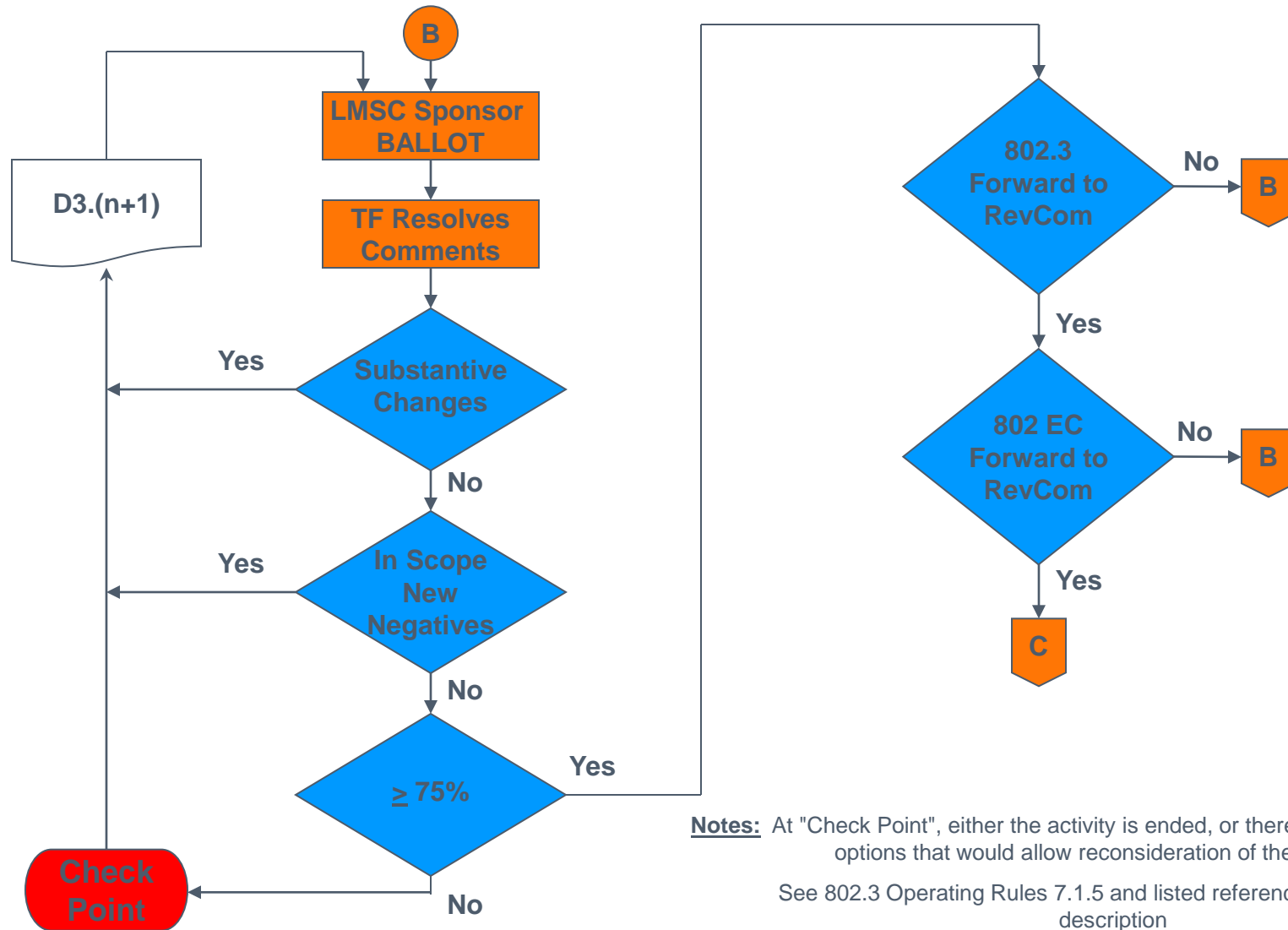# Overview of IEEE 802.3 Standards Process (2/5)
Task Force Comment Phase

Approved PAR → Task Force Meetings → Objectives → Proposals Selected — Yes → D1.0 → Task Force Review → D1.(n+1) → TF Review Done — Yes → To 802.3 WG Ballot — Yes → D2.0 → A; No (Proposals Selected) loops back; No (To 802.3 WG Ballot) returns to Task Force Review

A

802.3 WG BALLOT

TF Resolves Comments

D2.(n+1)

Substantive Changes — Yes

In Scope New Negatives — No ... Yes

≥ 75% — No ... Yes

Check Point

802.3 Forward to Sponsor Ballot — No → **A**

Yes

802 EC Forward to Sponsor Ballot — No → **A**
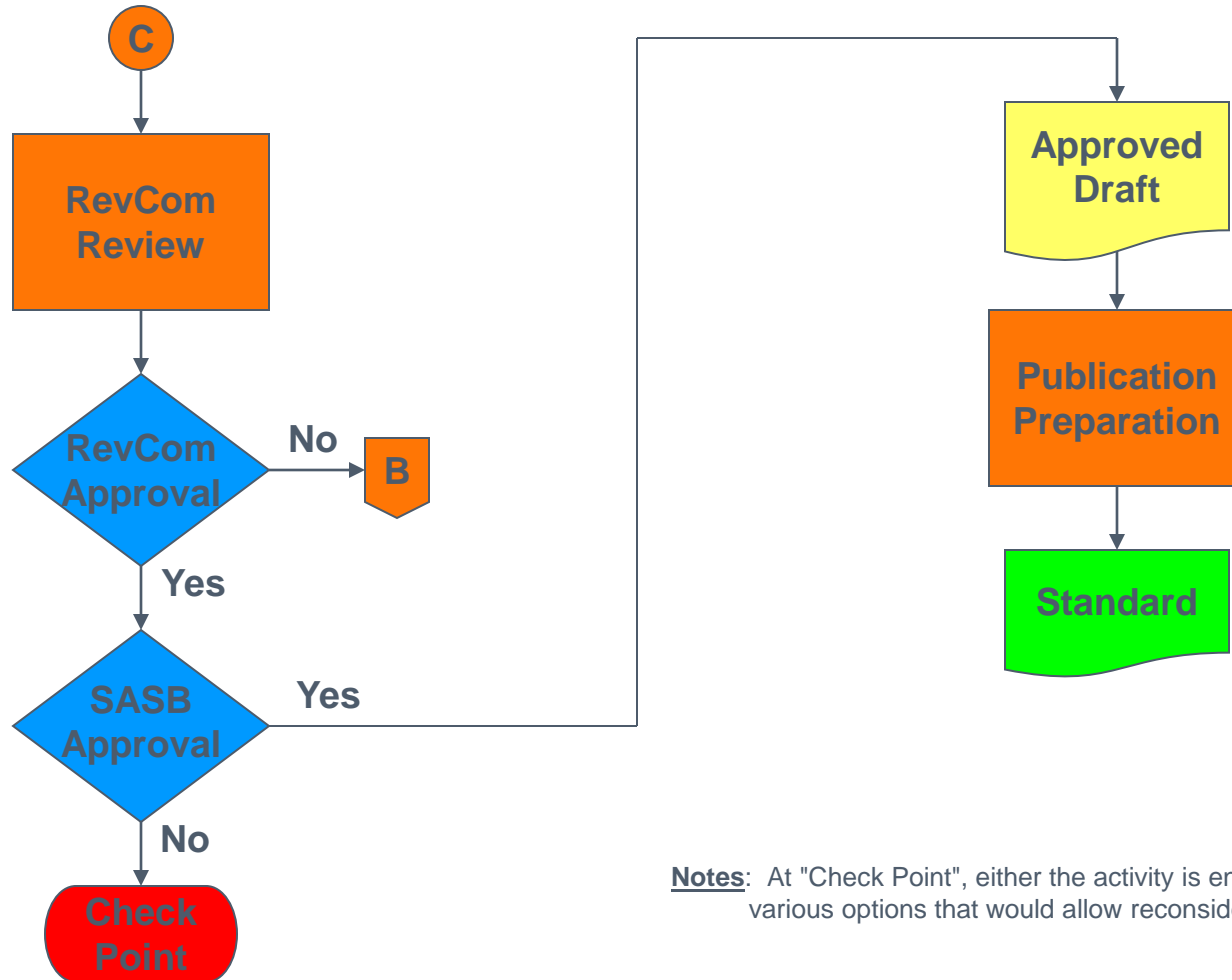
Yes

D3.0

B

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

Sponsor Ballot Phase

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

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

IEEE P802.3bk approved project documents

» Project Authorization Request (PAR)
http://www.ieee802.org/3/bk/P802.3bk.pdf

» Project Objectives
http://www.ieee802.org/3/bk/ExEPON_Objectives_approved.pdf

» 5 Criteria
http://www.ieee802.org/3/bk/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 2012 July meeting

» Minutes (unapproved) from July 2012 meeting have been posted on website for almost 2 months: http://www.ieee802.org/3/bk/public/1207/8023bk_1207_minutes_unapproved.pdf

» No requests for corrections have been received so far

Motion #1

Approval of Last Meeting's Minutes

» Approve minutes of July 2012 meeting as recorded in 8023bk_1207_minutes_unapproved.pdf and post them online as 8023bk_1207_minutes_approved.pdf

» Moved by: Susumu Nishihara
» Seconded by: Bill Powell

(Procedural motion, > 50%)

Motion passed by voice vote without opposition (09:50)

Agenda

» **Monday: 09:30 – 17:00 (with coffee breaks)**

> Meeting opening

> Comment resolution

> Technical contributions in the following order

+ 8023bk_1209_Umeda_1.pdf

> Follow-up discussions

» **Tuesday: 9:30 – 17:00 (with coffee breaks)**

> Unfinished business from Monday

> 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.
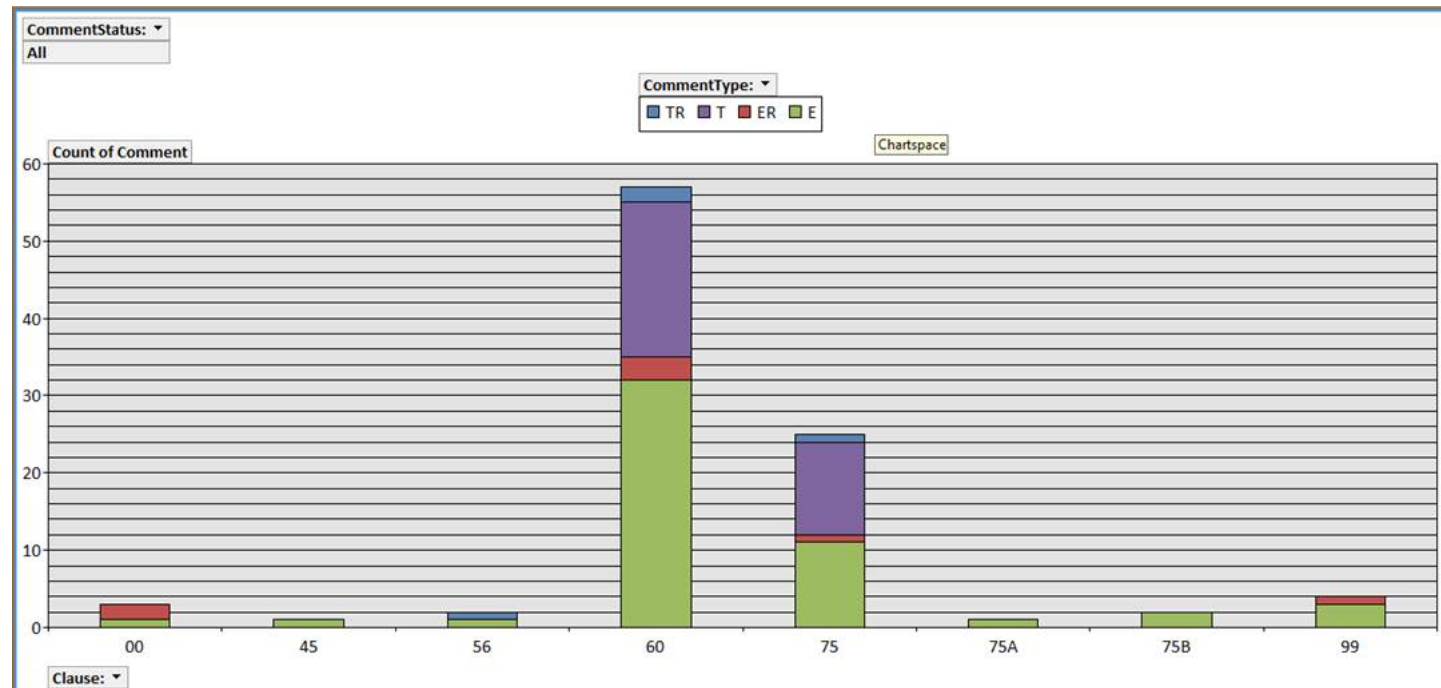
Motion #2

Approval of meeting's agenda

» Approve agenda for 2012 September meeting of Extended EPON Task Force, as shown in 8023bk_1209_opening_TF.pdf, slide 26

» Moved by: Duane Remein
» Seconded by: Susumu Nishihara

(Procedural motion, > 50%)

Motion passed by voice vote without opposition (09:54)

D1.1 review status

» The 2nd TF Review on D1.1 closed on September the 5th, 2012 11:59PM AOE

» Out of these 95 comments received, we have:

> E: 52; T : 32; ER: 7; TR: 4

> R-type comments will be reviewed as regular comments at this meeting

IEEE 802.3 Extended EPON Task Force (P802.3bk), 802.3 interim meeting, Geneva, Switzerland

Motion #3

» Charter the Editor with creating draft D1.2 by incorporating all resolved comments as recorded in 8023bk_D11_resolved.pdf into draft D1.1.
» The Editor has a license to resolve conflicts and apply editorial changes as needed.

» Moved by: Duane Remein
» Seconded by: Bill Powell

(Technical motion, requires ≥75%)

Yes: 8 No: 0 Abstain: 1

Motion passes (14:52)

D1.2 TF Review schedule

» Draft D1.2 available and posted online:
the 10th of October 2012 (10.10.2012)

» The 3rd Task Force review on draft D1.2 starts:
the 10th of October 2012 (10.10.2012)

» Task Force review on draft D1.2 ends
the 1st of November 2012 (01.11.2012) AOE

» Proposed responses for D1.2 comments posted:
the 8th of November 2012 (08.11.2012)

Motion #4

» Conduct the 3rd Task Force review on draft D1.2 starting on 10th of October 2012.

» Moved by: Susumu Nishihara

» Seconded by: Bill Powell

(Technical motion, requires ≥75%)

Yes: 8 No: 0 Abstain: 1

Motion Passes (14:55)

Motion #5

» Move that the 802.3bk Task Force request that 802.3 circulate IEEE P802.3bk D1.2 for an 802.3 Working Group Ballot and commenting, and conduct re-circulations as necessary.

» Moved by: Susumu Nishihara
» Seconded by: Bill Powell

(Technical motion, requires ≥75%)

Yes: 8 No: 0 Abstain: 1

Motion passes (14:58)

Presentations

1) 8023bk_1209_Umeda_1.pdf
   TDP for PX30-D and PX40-D

Communication with CCSA

» Letter from CCSA was received on 17th of September.

» It was posted as in private directory as
P8023bk_1209_LL_CCSA_incoming.pdf.

» P802.3bk TF should generate response to CCSA's letter and share the latest draft (D1.2) once publish. Also notify on impeding transition to Working Group ballot and start of official voting process.

Motion #6

» Approve the text of informal communication with CCSA as shown in 8023bk_1209_informal_communication_to_CCSA.pdf.

» TF Chair to send draft D1.2 when published.

» Moved by: Susumu Nishihara

» Seconded by: Bill Powell

(Procedural motion, requires >50%)

Motion passed by voice vote without opposition (15:10)

Future Meetings

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

» 2012.11 802 Plenary Meeting
  > Grand Hyatt San Antonio, San Antonio, TX, USA
  > Monday, November 12th through Thursday, November 15th, 2012
» 2013.01 802 interim Meeting
  > Location is TBD
  > Week of January 21, 2013
» 2013.03 802 Plenary Meeting
  > Caribe Royale, Orlando, FL, USA
  > Monday, March 18th through Thursday, March 21st, 2013

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

Straw Poll #1

» I will attend the IEEE 802.3 plenary meeting in San Antonio, TX, USA, Monday, November 12th through Thursday, November 15th, 2012

> Yes: 6

> Maybe Yes: 2

> Maybe No: 1

> No: 0

» I will attend the meeting of the Extended EPON P802.3bk Task Force, taking place during the IEEE 802.3 plenary meeting in San Antonio, TX, USA, Monday, November 12th through Thursday, November 15th, 2012 (specific dates are TBD this time):

> Yes: 5

> Maybe Yes: 2

> Maybe No: 1

> No: 0

Thank You!