IEEE 802.3 Maintenance Task Force 17th March 2010, Orlando, FL

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Agenda

- Review and approve agenda
- Review patent slides
- Approve Maintenance minutes
- Maintenance requests
- Interpretation requests
- Discuss assignment of code points
  - TLV for IEEE P802.3az
  - MAC Control Frame for IEEE P802.3bd
- Review pictorial draft of next revision plan

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.

(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:

- ○ **"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**

  Quoted text excerpted from IEEE-SA Standards Board Bylaws subclause 6.2

- ● **Early identification of holders of potential Essential Patent Claims is strongly encouraged**

- ● **No duty to perform a patent search**

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/guides/bylaws/sect6-7.html#6

IEEE-SA Standards Board Operations Manual

http://standards.ieee.org/guides/opman/sect6.html#6.3

Material about the patent policy is available at

http://standards.ieee.org/board/pat/pat-material.html

If you have questions, contact the IEEE-SA Standards Board Patent Committee Administrator at patcom@ieee.org or visit http://standards.ieee.org/board/pat/index.html

This slide set is available at http://standards.ieee.org/board/pat/pat-slideset.ppt

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.

Agenda and Minutes Motions

- Motion to approve the agenda
  - M: B. Woodruff   S: M. Hajduczenia
  - Passes by voice vote without opposition

- Motion to approve the January 2010 minutes
  - M: H. Barrass   S: M. Bennett
  - Passes by voice vote without opposition

Maintenance Request Status

- 28 Open Maintenance requests
- 7 new request since January
  - Related to IEEE Std 802.3-2008 and Std 802.3av-2009
- Current status of open requests:

Balloting	6
Ready for ballot	10
Awaiting clarification	0
To be categorised	12

Notes: Some 'Balloting' assigned to IEEE P802.3az and IEEE P802.3ba

New requests

Req #	Standard	Subclause	Subject
1216	802.3-2008	55	10GBASE-T PMA_Coeff_Exch
1217	802.3av-2009	76.2.2.3	Dual Rate Mode Fig Typo
1218	802.3av-2009	76.3.2.5.7	Undefined constants in Data Detector, input process SM
1219	802.3av-2009	76.3.2.4.1	FEC Block Naming Typo
1220	802.3av-2009	77.2.2.7	10G-EPON ONU FEC Bug
1221	802.3av-2009	77:2.2.7;3.5.6	10G-EPON ONU Registration Bug
1222	802.3-2008	64:3.3.6;3.5.6	1G-EPON ONU Registration Bug

Maintenance Request 1216 Notes

- Consensus to make the change (Updated Table in the request)
  - Y:4   N:2
  - Discuss again after other requests
  - Y:7   N:1

- Refer the request to IEEE P802.3az Task Force along with the results of the straw poll for consideration
  - M: H. Frazier   S: M. Landry
  - Tech 75%
  - Y: 13   N:0   A:1
  - Motion Passes

Maintenance Request 1217 Notes

- Consensus to make the change
  - Y: 7   N: 0

- Implement suggested text in next revision

- Change state to "Ready for Ballot"

Maintenance Request 1218 Notes

- Consensus to make the change
  - Y: 7   N: 0
- Implement suggested text in next revision
- Change state to "Ready for Ballot"

Maintenance Request 1219 Notes

- Consensus to make the change
  - Y: 7   N: 0

- Implement suggested text in next revision

- Change state to "Ready for Ballot"

Maintenance Request 1220 Notes

- Consensus to make the change
  - Y: 2   N: 0

- Further discussion
  - Implement the change with the variable name

    IdleCount to IdleGapCount to help clarify intent
    of variable

    Y: 6   N: 0

- Implement suggested text in next revision

- Change state to "Ready for Ballot"

Late Maintenance Requests

- Requests 1221, 1222 received after deadline (3/11)

- Per direction from WG
  - We will take a vote on consideration
  - Vote is procedural

- Motion
  - Move that
    - Requests #1221 and #1222 be considered at this meeting
    - This will not serve as a precedent
  - M: M. Hajduczenia   S: M. Bennett
  - Proc (>50%)
  - Y:11   N:0   A:1
  - Motion passes

Requests 1221 and 1222 Notes

- Requests address the same type functional issue
- Preference to keep behaviours the same across both systems
- Add an Editor's note to the change, when it is balloted, to read
  - "Similar change being done for both 1G-EPON and 10G-EPON"
- For request 1222, only make change to Fig 64-29. Fig 64-28 is OK, suggested change does not change functionality
- Consensus to make the change
  - Y: 7   N: 0
- Implement suggested text in next revision
- Change state to "Ready for Ballot"

Late Interpretation Requests

- Requests 1-3/10 and 2-3/10 received Mon (3/15)

- Per direction from WG

  - We will take a vote on consideration

  - Vote is procedural

- Motion

  - Move that

    - Requests 1-3/10 and 2-3/10 be considered at this meeting

    - This will not serve as a precedent

  - M: M. Bennett   S: M. Hajduczenia

  - Proc (>50%)

  - Y:9   N:6   A:3

  - Motion passes

Interpretation 1-3/10

- Withdrawn

Interpretation 2-3/10

- The standard is unambigious.

- PBO is normatively defined in 55.4.3.1:

- "The minimum power backoff level requested shall comply with the power backoff schedule in Table 55–7."

- Move to accept the above text as a response to Interpretation 2-3/10
  - M: S. Kasturia S: D. Law
  - Y:15   N:0   A:1
  - Tech (>=75%)
  - Motion Passes
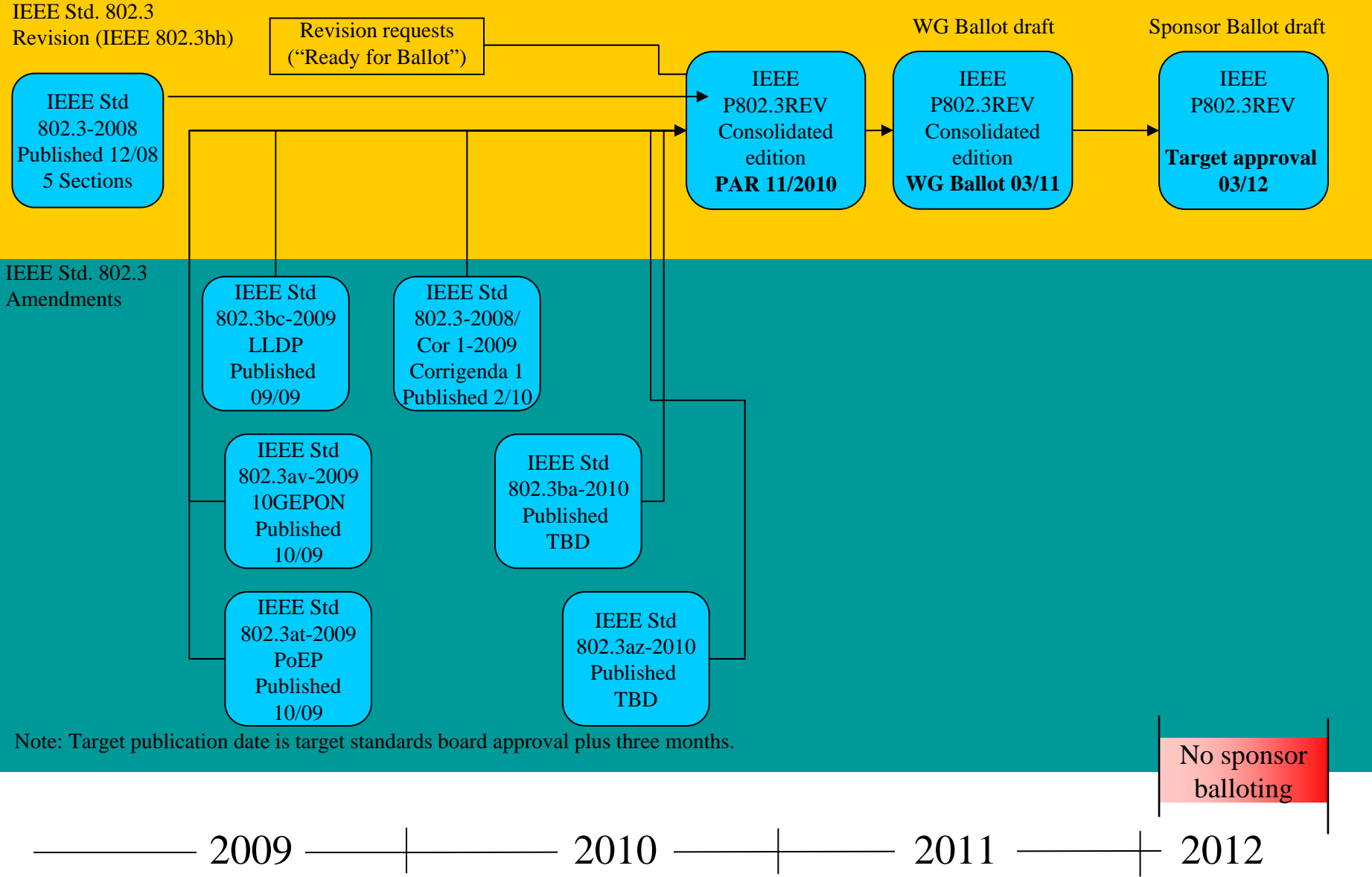
P802.3az TLV Code Point

- Move to
  - Allocate IEEE 802.3 subtype 5 for use in P802.3az and update Table 79–1—IEEE 802.3 Organizationally Specific TLVs
  - M: Mike B   S: Hugh B
  - Tech (>=75%)
  - Y:9   N:0   A:4
  - Motion Passes

P802.3bd MAC Control Frame OpCode

- Move to
  - Allocate the PFC OpCode 01-01 for use in P802.3bd and update Table 31A-1
  - M: H. Frazier   S: M. Hajduczenia
  - Tech (>=75%)
  - Y: 5   N: 0   A: 2
  - Motion Passes

IEEE Std 802.3 revision plan

IEEE Std. 802.3 Revision (IEEE 802.3bh)

Revision requests ("Ready for Ballot")

WG Ballot draft

Sponsor Ballot draft

IEEE Std 802.3-2008 Published 12/08 5 Sections

IEEE P802.3REV Consolidated edition **PAR 11/2010**

IEEE P802.3REV Consolidated edition **WG Ballot 03/11**

IEEE P802.3REV **Target approval 03/12**

IEEE Std. 802.3 Amendments

IEEE Std 802.3bc-2009 LLDP Published 09/09

IEEE Std 802.3-2008/ Cor 1-2009 Corrigenda 1 Published 2/10

IEEE Std 802.3av-2009 10GEPON Published 10/09

IEEE Std 802.3ba-2010 Published TBD

IEEE Std 802.3at-2009 PoEP Published 10/09

IEEE Std 802.3az-2010 Published TBD

Note: Target publication date is target standards board approval plus three months.

No sponsor balloting

2009 — 2010 — 2011 — 2012

Motion to Adjourn

- Move to adjourn
  - M: D. Remein   S: H. Frazier
  - Passes by voice vote
- Adjourned at 5.03pm

Maintenance Web Information

- IEEE 802.3 Maintenance web site:

    http://www.ieee802.org/3/maint/index.html

- IEEE 802.3 Maintenance request form is available at:

    http://www.ieee802.org/3/private/maint/revision_request.html

- Access information

  Username: ********

  Password: ********

  (Password **is** case sensitive)

- IEEE 802.3 Maintenance reflector

    stds-802-3-maint@ieee.org