IEEE 802.3
Maintenance Task Force
9th November 2010,
Dallas, TX

Wael William Diab
Chair, IEEE 802.3 Maintenance TF
Vice-Chair, IEEE 802.3 Working Group
wdiab@broadcom.com

Agenda

- Review patent slides
- Review and approve agenda
- Approve maintenance minutes
- Discuss new maintenance request
- Discuss interpretation request
- Discuss liaison
  - Report from the ad-hoc
- Discuss deadline text for new requests
- Review next revision PAR
- Time permitting review request #1230

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.

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

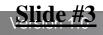*http://standards.ieee.org/board/pat/pat-material.html*

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: L. Lamb   S: M. Hajduczenia
  - Passes by voice vote without opposition

- Motion to approve the September 2010 minutes
  - M: H. Barrass   S: D. Feldman
  - Passes by voice vote without opposition

Maintenance Request Status

- 32 Open Maintenance requests
- 1 new request since September
  - Related to IEEE Std 802.3-2008
- Current status of open requests:

Balloting	0
Ready for ballot	25
Awaiting clarification	0
Errata	1
To be categorised	6

Notes: Some 'Balloting' assigned to IEEE P802.3az have published.
Another request received after the deadline and will be considered in Jan

New requests

Req #	Standard	Subclause	Subject
1232	802.3-2008	52.5	OM4 Support for 10GBASE-S

Maintenance Request 1232 Notes

- State to remain as "Received"
- Mr. Barrass "volunteered" to contact the submitters
  - Request additional technical analysis to determine impact from other optical parameters such as jitter
  - Consensus building within the optical community in 802.3
  - Discuss process options / schedule to make the change (request vs. revision)
- Straw poll to recommend the above:
- Y: 19   N: 0

1-11/10: Summary of Sep Discussion

- The current text of the interpretation is written as a request for consultation and not an interpretation request

- As noted in the email to .3, this item will be reported on at the open 802.3 plenary and remains open for WG action

- Mr. Carlson has volunteered to contact the submitter

- Straw Poll
  - Y:8   N:0

1-11/10 Notes

- Submitter withdraws the request

SIEPON Single-Copy LLID Liaison

- http://www.ieee802.org/3/minutes/nov10/incoming/siepon_1010_LS_802_3_outgoing.pdf

- From IEEE P1904.1

- Move to

  - Approve the liaison response to IEEE P1904.1 as captured in "hajduczenia_1_1110.pdf". Request that the WG Chair send the response with editorial license.

  - M: M. Hajduczenia   S: M. McCormack

  - Tech (75%)

  - Y: 19   N:0   A:0

  - Motion Passes

Maintenance TF Deadline

- At the March 2010 WG session, a deadline was adopted for new maintenance requests. Deadline was to allow for processing time and notification of membership

- Deadline has helped in getting the materials out to the members prior to the meeting

- However, deadline does not provide sufficient time for members to make travel plans based on materials
  - Especially important as new requests can be very diverse, requiring expertise that may not be currently attending 802.3 work on a regular basis. E.g. PoE, EPON etc.

- Proposal is to increase deadline from 1 week to 5 weeks to allow for processing time and travel planning

Updated Deadline Text

New requests are initially considered by the standing Maintenance Task Force. For an interim cycle, the deadline is 35 calendar days prior to the meeting of the Maintenance Task Force. For a plenary cycle, the deadline is 35 calendar days prior to the opening plenary session of the IEEE 802.3 Working Group.

Interpretation Deadline

- At the March 2010 WG session, a deadline was adopted for new interpretation requests. Deadline was to allow for processing time and notification of membership
- Deadline has helped in getting the materials out to the members prior to the meeting
- However, deadline does not provide sufficient time for members to make travel plans based on materials
  - Especially important as new requests can be very diverse, requiring expertise that may not be currently attending 802.3 work on a regular basis. E.g. PoE, EPON etc.
- Proposal is to increase deadline from 1 week to 5 weeks to allow for processing time and travel planning

Updated Deadline Text

The deadline for a request to be assigned to IEEE 802.3 Working Group so that the request is considered at the upcoming plenary meeting is 35 calendar days prior to the IEEE 802.3 opening plenary.

Revision PAR Motion

- ## Move to
  - – Accept the revision PAR as captured in "P802_3_PAR_Draft_110910.pdf"

- ## M: M. McCormack   S: M. Hajduczenia

- ## Y: 13   N: 0   A: 0

- ## Tech (75%)

- ## 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
06/2010

IEEE Std
802.3bf-201x
Published
TBD

IEEE Std
802.3at-2009
PoEP
Published
10/09

IEEE Std
802.3az-2010
Published
10/2010

IEEE Std
802.3bg-201x
Published
TBD

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

No sponsor
balloting

2009 ———— 2010 ———— 2011 ———— 2012

Consensus on Revision Plan

- Maint Chair to work with IEEE Staff and WG Chair for a request for a consolidated edition by the March 1st of 2011
  - Include Kim and Michelle on all correspondence
- Plan to show the consolidated edition and list of maintenance requests, in separate documents, as the WG Preview draft and request WG approval on those for WG Ballot during the March plenary
- Based on above, do a review of the maint request changes that are in the "ready for ballot" state during the Jan 2011 interim to ensure they have clear change instructions
- Submit plan to RevCom in 2011 assuming approval date will be in 2012 or afterwards (> 3 years)
- Coordinate 802.3 REV with 802.3.1
  - E.g. remove GDMO from 802.3 (in consolidated edition)
  - E.g. point OAM to arcs in .3.1

Maintenance Request 1230 Notes

- In addition to the notes agreed to in the last Maintenance meeting, change text of the request to:

Following a valid detection and a rising voltage transition from Vvalid, or lower, to VClass, the PD Physical Layer classification signature shall be valid within Tclass as specified in Table 33-18 and remain valid for the duration of the classification period.

- Consensus to progress the request with the above modification
  - Y: 12   N:0

- Cycle: Remains to be initiated at the next Maintenance revision or amendment

- State: Remains "Ready for Ballot"

Motion to Adjourn

- Move to adjourn
  - M: M. MCCormack   S: Y. Darshan
  - Proc (50%)
  - Motion passes by voice without opposition

- Adjourned at 4.40pm

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