IEEE 802.3 Working Group Opening Plenary 16th July 2012

David Law
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Agenda, voter lists:
http://www.ieee802.org/3/minutes/jul12/index.html

IEEE 802.3 Officers

IEEE 802.3 Chair: David Law <dlaw@hp.com>

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IEEE 802.3 Secretary: Adam Healey <adam.healey@lsi.com>

IEEE 802.3 Executive Secretary: Steve Carlson <scarlson@ieee.org>

IEEE 802.3 Treasurer: Valerie Maguire <valerie_maguire@siemon.com>

IEEE 802.3 Maintenance and IEEE P802.3 (IEEE 802.3bh) Ethernet revision Task Force:
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IEEE P802.3.1 (IEEE 802.3.1a) Ethernet MIBs (revision) Task Force:
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IEEE P802.3bj 100 Gb/s Backplane and Copper Task Force:
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IEEE P802.3bk Extended Ethernet Passive Optical Network (EPON) Task Force:
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IEEE 802.3 Next Generation 40Gb/s and 100 Gb/s Optical Ethernet Study Group:
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IEEE 802.3 EPON Protocol over a Coax (EPoC) PHY Study Group:
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IEEE 802.3 Reduced Twisted Pair Gigabit Ethernet (RTPGE) Study Group:
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WG 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

Agenda

- Approve agenda
  - Any modifications, additions ?

Minutes

- Approve Minutes
  - March 2012 minutes
    - Published 4th April 2012
    - Any corrections, modifications, additions ?

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.

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(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

25 March 2008 (updated January 2012)

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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)

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Call for Potentially Essential Patents

l   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:

- l   Either speak up now or
- l   Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible or
- l   Cause an LOA to be submitted

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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.

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IEEE 802.3 Standards

- IEEE Std 802.3™-2008 (26 Dec 08 / 26 Dec 08)*

  - IEEE Std 802.3av™-2009 (11 Sep 09 / 30 Oct 09)*
  - IEEE Std 802.3bc™-2009 (11 Sep 09 / 28 Sep 09)*
  - IEEE Std 802.3at™-2009 (11 Sep 09 / 30 Oct 09)*
  - IEEE Std 802.3-2008/Cor1-2009™ (9 Dec 09 / 1 Feb 10)*
  - IEEE Std 802.3ba™-2010 (17 Jun 10 / 22 Jun 10)*
  - IEEE Std 802.3az™-2010 (30 Sep 10 / 27 Oct 10)*
  - IEEE Std 802.3bg™-2011 (31 Mar 11 / 31 Mar 11)*
  - IEEE Std 802.3bf™-2011 (16 May 11 / 15 Jul 11)*
  - IEEE Std 802.3bd™-2011 (16 Jun 11 / 10 Aug 11)*

- IEEE Std 802.3.1™-2011 (16 May 11 / 5 Jul 11)*

* Available through Get IEEE 802
    http://standards.ieee.org/getieee802/802.3.html

Note 1: Dates are Approval date / Publication date

Interim meetings held since March

- 14th through 18th May 2012 Minneapolis, MN, USA
  - IEEE 802.3 Maintenance Task Force
  - IEEE P802.3.1 (IEEE 802.3.1a) Ethernet MIB (Revision) Task Force
  - IEEE P802.3bj 100 Gb/s Backplane and Copper Task Force
  - IEEE 802.3bk Extended EPON Task Force
  - IEEE 802.3 Ethernet Bandwidth Assessment Ad Hoc
  - IEEE 802.3 Next Generation 100Gb/s Optical Ethernet Study Group
  - IEEE 802.3 EPON Protocol over a Coax (EPoC) PHY Study Group
  - IEEE 802.3 Reduced Twisted Pair Gigabit Ethernet Study Group

IEEE 802.3 ballots since March

- Working Group Ballots:
  - IEEE P802.3.1 (IEEE 802.3.1a) 1st recirculation

- Sponsor Ballots:
  - IEEE P802.3 (IEEE 802.3bh) 2nd recirculation

- Sponsor Ballots group formations
  - None

WG documents for July business

- IEEE P802.3 (IEEE 802.3bh) Maintenance #10 (Revision)
  - IEEE P802.3/D3.2 (second Sponsor recirculation ballot) and ballot comments
- IEEE P802.3.1 (IEEE 802.3.1a) Ethernet MIBs (revision)
  - IEEE P802.3.1/D1.1 (first Working Group recirculation ballot) and ballot comments
- Next Generation 40 Gb/s and 100 Gb/s Optical Ethernet Study Group
  - IEEE P802.3bm Amendment: Physical Layer Specifications and Management Parameters for 40 Gb/s and 100 Gb/s Operation Over Fiber Optic Cables draft PAR, draft 5 Criteria and draft Objectives
- EPON Protocol over a Coax (EPoC) PHY Study Group
  - IEEE P802.3bn Amendment: Physical Layer Specifications and Management Parameters for Ethernet Passive Optical Networks Protocol over Coax Networks draft PAR, draft 5 Criteria and draft Objectives
- IEEE 802.3 Ethernet Bandwidth Assessment Ad Hoc
  - IEEE 802.3 Ethernet Bandwidth Assessment Ad Hoc report draft D1.2

Membership and Attendance

- Membership requirements (gaining and retaining)
  - 75% attendance at 2 of last 4 plenary sessions (a qualifying interim may be substituted for one plenary)
  - Request to become member during 802.3 potential voter agenda item
  - Participate in 2 of last 3 WG ballots (retaining membership)
  - Maintain valid contact information
  - Consistent declaration of affiliation

Meeting attendance tool procedures

Adam Healey

IEEE 802.3 Working Group Secretary

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Reflectors and WG information

- IEEE 802.3 Working Group reflector <stds-802-3@ieee.org>
  - Not general discussion reflector
  - Subscription limited to members and observers
  - Monitored reflector for announcements of WG business
  - Archive is password protected
- IEEE 802.3 dialog reflector <stds-802-3-dialog@ieee.org>
  - Location for appropriate non project related discussion
- Meeting announcements
  - Sent to IEEE 802.3 and relevant TF/SG reflector(s)
- IEEE 802.3 TF/SG reflectors
  - Location for appropriate project related discussion
  - Subscription instructions are on the related TF/SG web page
- IEEE 802.3 Working Group web site
  - www.ieee802.org/3
  - Private areas access information announced in reports

802.3 Membership

- IEEE 802.3 voters

  http://www.ieee802.org/3/minutes/jul12/0712_voters.pdf

- IEEE 802.3 voter in peril

  http://www.ieee802.org/3/minutes/jul12/0712_peril.pdf

- IEEE 802.3 potential voters

  http://www.ieee802.org/3/minutes/jul12/0712_potential.pdf

IEEE 802.3 Working Group Treasurer's Report

Valerie Maguire

IEEE 802.3 Working Group Treasurer

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IEEE-SA Governance highlights March and June

- NesCom recommendations
  - IEEE P802.3bk Extended EPON PAR approved
- RevCom recommendations
  - None
- Items of note
  - Definition Ad Hoc
  - Duration of sponsor ballots
    - Initial – minimum 30 days in duration
    - Recirculation – minimum 10 days in duration
  - External representatives policy

LMSC EC Report (p.1)

- Treasury
  - March had 570 registration
    - Loss of approximately 80K
  - Reserve currently $900K
  - July at 796 registrations
- IEEE 802 Overview and Architecture
  - Completed 1st recirculation ballot
    - Approval rate: 79%, Comments: 41
    - 7 disapprove, 6 remain from the initial ballot , 1 new
  - Comment resolution meeting this week
    - Mon 1:30 PM - 3:30PM in Mohsen B
    - Thu 10:30 AM - 12:30PM in Mohsen B

LMSC EC Report (p.2)

- Smart Grid ECSG
  - Expect proposal to form TAG on Friday
- IEEE 802 Standards Micropayment
  - Drafts and standards $5 promotion
  - Still analysing data on the impact of program

LMSC EC Report (p.3)
IEEE 802 EC meeting for the week

- Monday 1:30-3:30pm   IEEE 802 Architecture (room: Mohsen B)
- Monday 4-6pm   IEEE 802 Smart Grid Study Group (room: Elizabeth D)
- Tuesday 8-9am   University Outreach Orientation (room: Madeline CD)
- Tuesday noon-1pm   Industry Connections discussion
- Tuesday 1:30pm-3:30pm   JTC1/SC6 ad hoc (cross 802 related topics, in Windsor B)
- Tuesday 3pm-4pm   July 2013 Geneva venue preparation
- Tuesday 4-6pm   IEEE 802 Smart Grid Study Group (room: Elizabeth D)
- Tuesday 4-5pm   University Outreach Feedback(room: Madeline CD)
- Tuesday 8-9pm   Joint 802/IETF leadership meeting preparation
- Tuesday 9-10pm   Global Standards Update discussion
- Wed noon-1pm   Future Plenary Session Venue options review
- Wed 1:30pm-3:30pm   JTC1/SC6 ad hoc (cross 802 related topics, in Windsor B)
- Wed 4-6pm   IEEE 802 Smart Grid Study Group (room: Elizabeth D)
- Thursday 10:30-12:30pm   IEEE 802 Architecture (room: Mohsen B)
- Thursday 10-noon   IEEE 802 Task Force
- Thursday 1:30pm-3:30pm   JTC1/SC6 ad hoc (cross 802 related topics, in Windsor B)
- Thursday 5-10pm   Registration Authority Committee (SA BoG mtg, invite only)

LMSC EC Report (p.4)
IEEE 802 Task Force agenda

Tentative agenda

1. Single Copy Sales Channel--update (McCabe)

2. getIEEE 802 update (McCabe)

3. Legal/risk policy evolution update (McCabe)

4. Contract execution status/cumbersome process (McCabe)

5. IEEE SA Etools update (Boyce)

6. Document publication priority update (Turner)

7. International Activities Update (Haasz)

8. New Managing Director starting 20AUG2012

9. Any Other Business?

10. Action item review – Nikolich

11. Adjourn

Thu 10AM - Noon in George Bush

Central Desktop

Christina Boyce
Manager Standards Solutions Services, IEEE Standards

Drop in sessions

Wednesday 10:30 to 11:30 and 1:30 to 2:30
Moshen A

Tutorials, Monday evening

- Session #1, 6:00 PM to 7:30 PM
    - What's next? Wireless Communication beyond 60 GHz
- Session #2, 7:30 PM to 9:00 PM
    - IEEE Industry Connections Ethernet Bandwidth Assessment
- Session #3, 9:00 PM to 10:30 PM
    - Heterogeneous Networking among the IEEE 802 Family proposal for an Open Mobile Network Interface (OMNI) Standard

Continuing Agenda ...