IEEE 802.3 Working Group Opening Plenary
8th November 2010

David Law
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Agenda, voter lists:
http://www.ieee802.org/3/minutes/nov10/index.html

IEEE 802.3 Officers

IEEE 802.3 Chair: David Law (dlaw@hp.com)
IEEE 802.3 Vice Chair: Wael William Diab (wdiab@broadcom.com)
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 P802.3az Energy Efficient Ethernet: Mike Bennett (mjbennett@lbl.gov)
IEEE P802.3bd MAC Control Frame for Priority-based Flow Control
       This project is being undertaken by the IEEE 802.1 DCB Task Group
IEEE P802.3bf Time Synchronization: Steve Carlson (scarlson@ieee.org)
IEEE P802.3bg 40Gb/s Ethernet Single-mode Fiber PMD: Mark Nowell
(mnowell@ieee.org)

IEEE 802.3 Maintenance: Wael William Diab (wdiab@broadcom.com)

IEEE P802.3.1 Ethernet MIB: Howard Frazier (hfrazier@broadcom.com)

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

Agenda

- Approve agenda
  - Any modifications, additions ?

Minutes

- Approve Minutes
  - July 2010 minutes
  - Posted 23rd September
    - 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 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.

25 March 2008

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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:

- "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

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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/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

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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

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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)

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

Note: Dates are Approval date / Publication date

Reflectors and WG information

- IEEE 802.3 Working Group (stds-802-3@ieee.org) is a monitored reflector for announcements of WG business
  - Not a general discussion reflector
  - Subscription limited to members and observers
  - Archive is password protected
- IEEE 802 plenary meeting announcements may be received by subscribing to: stds-802-all@ieee.org
- IEEE 802.3 interim meetings are announced on the 802.3 and relevant TF/SG reflector
- IEEE 802.3 TF/SG reflectors are the location for appropriate project related discussion
- IEEE 802.3 dialog reflector is the location for appropriate non project related
- Reflector subscription
  - Instructions are on the IEEE 802.3 and IEEE 802.3 TF/SG web pages
- Web site
  - www.ieee802.org/3
  - Access information to private areas is announced by Vice Chair, TF/SG Chairs and in WG announcements

Interim meetings held since July

- 12th August 2010 Berkeley, CA, USA
  - IEEE P802.3az, Energy-efficient Ethernet Task Force
- 20th through 23rd September 2010 Portland, OR, USA
  - IEEE P802.3.1, Ethernet MIBs Task Force
  - IEEE P802.3bf, Time Synchronization Protocol Task Force
  - IEEE P802.3bg, 40Gb/s Ethernet Single-mode fibre PMD Task Force
  - IEEE 802.3, Maintenance Task Force

IEEE 802.3 ballots since July

- Working Group Ballots:
  - IEEE P802.3.1 D2.2, 2nd recirculation ballot
  - IEEE P802.3.1 D2.3, 3rd recirculation ballot
  - IEEE P802.3bf D2.0 initial ballot
  - IEEE P802.3bf D2.1, 1st recirculation ballot
  - IEEE P802.3bg D2.0 initial ballot
  - IEEE P802.3bg D2.1, 1st recirculation ballot

- Sponsor Ballots:
  - IEEE P802.3az D3.2, 2nd recirculation ballot
  - IEEE P802.3az D3.2, 3rd recirculation ballot

- Sponsor Ballots group formations
  - IEEE P802.3.1
  - IEEE P802.3bf
  - IEEE P802.3bg

WG documents for November business

- IEEE P802.3.1 Ethernet MIBs
  - IEEE P802.3.1/D2.3 (3rd Working Group recirculation ballot) and ballot comments

- IEEE P802.3bf Ethernet Time Synchronization Support
  - IEEE P802.3bf/D2.1 (1st Working Group recirculation ballot) and ballot comments

- IEEE P802.3bg 40Gb/s Ethernet Single-mode Fibre PMD
  - IEEE P802.3bg/D2.1 (1st Working Group recirculation ballot) and ballot comments

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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802.3 Membership

- IEEE 802.3 voters

  http://www.ieee802.org/3/minutes/nov10/1110_voters.pdf

- IEEE 802.3 voter in peril

  http://www.ieee802.org/3/minutes/nov10/1110_peril.pdf

- IEEE 802.3 potential voters

  http://www.ieee802.org/3/minutes/nov10/1110_potential.pdf

IEEE 802.3 Working Group Treasurer's Report

Valerie Maguire

IEEE 802.3 Working Group Treasurer

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Standards Board highlights (p.1) September

- RevCom recommendations approved
  - IEEE 802.3 Projects approved
    - IEEE Std 802.3az™-2010 Amendment 5: Media Access Control Parameters, Physical Layers, and Management Parameters for Energy-Efficient Ethernet

- PatCom
  - Short meeting

- ProCom items
  - Operations Manual and Style guide
    - Change agreed and approved by SASB

Standards Board highlights (p.2) September

- Standards Board
  - Corporate influence ad hoc
    - New proposal presented to SASB
  - Reaffirmations ad hoc
    - Proposal is to remove this option, require revision at least every 10 years, if not standard becomes inactive, discussions continuing

LMSC EC Report (p.1)

- IEEE 802 Treasury
  - Reserve still approx $1.1M
    - Needed for nNA meetings
  - San Diego meeting
    - Attendance of 931
    - Approx $22K surplus
  - Dallas meeting
    - Projecting attendance 807
      - Shortfall due to conflict with IETF meeting
    - Small loss projected (approx $5K)
  - John Hawkins is stepping down at end of meeting
  - Bob Grow to be appointed to replace

LMSC EC Report (p.2)

- Industry connections
  - IEEE-SA Board of Governors activity
    - Proposal for Ethernet bandwidth road-mapping
    - Seeking oversight by IEEE 802.3 Working Group
      - Volunteers: John D'Ambrosia, Wael Diab, David Law, Steve Mills, Paul Nikolich, Geoff Thompson
      - IEEE-SA Staff: Bob Labelle, Jim Wendorf

- IEEE 802 Overview and Architecture
  - Meetings
    - Tuesday 6 pm - 8 pm (Gaston B)
    - Thursday 8 am - 10 am (Cumberland D)
  - Agenda
    - Review the draft

LMSC EC Report (p.3)

- Get802 program
  - Proposal to move to $1 per download
  - Wait period of 6 month would be removed
  - Provided by existing IEEE distributer

- March 2011 plenary
  - Still working on room rates
    - Answer expected Friday

LMSC EC Report (p.4)

- EC Chair meetings (Pryor-Crockett room)
  - Tues 9:00-10:00am
    - Chairs guideline preparation
  - Wed 1:00-3pm
    - IEEE 802 LMSC Task Force
      - IT Services uptime/availability requirements
      - Single Copy Sales Channel--update
      - JTC1/SC6 update regarding potential 802 items
      - Status of 'fast publishing' trial
      - GetIEEE 802 budget
  - Wed 3-5pm
    - March 2011 plenary session discussions
  - Friday 6:30-8:00pm
    - ISO/IEC/JTC1/SC6/WG1 discussion

Tutorials

- Tutorials
  - Monday 6:00 - 7:30 PM
    - Towards Wireless 100 Gb/s beyond 300 GHz
  - Monday 7:30 - 9:00 PM
    - Opening Pandora's Toolbox: Key Management Protocols Value, Cost, and Future Proofing
  - Monday 9:00 - 10:30 PM
    - ASN.1 for More Effective Network Standards

Continuing Agenda ...