

IEEE 802.3 Working Group Opening Plenary 15th March 2010

David Law
Chair, IEEE 802.3 Working Group
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Agenda, voter lists:
<http://www.ieee802.org/3/minutes/mar10/index.html>

IEEE 802.3 Officers

IEEE 802.3 Chair: David Law (david_law@3com.com)

IEEE 802.3 Vice Chair: Wael Diab (wdiab@broadcom.com)

IEEE 802.3 Exec. Secretary: Steve Carlson (scarlson@ieee.org)

IEEE 802.3 Secretary: Adam Healey (adam.healey@lsi.com)

IEEE 802.3 Treasurer (acting): Wael Diab (wdiab@broadcom.com)

IEEE P802.3az Energy Efficient Ethernet: Mike Bennett (mjbennett@lbl.gov)

IEEE P802.3ba 40 Gb/s and 100 Gb/s Ethernet: John D'Ambrosia (jdambrosia@ieee.org)

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

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

IEEE 802.3 40Gb/s Ethernet Single-mode Fiber PMD Study Group:

Mark Nowell (mnowell@ieee.org)

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 ?

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

(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.

Minutes

- Approve Minutes
 - November 2009 minutes
 - Any corrections, modifications, additions ?

IEEE 802.3 Standards

- IEEE Std 802.3TM-2008 (26 Dec 08 / 26 Dec 08)*
 - IEEE Std 802.3avTM-2009 (11 Sep 09 / 30 Oct 09)
 - IEEE Std 802.3bcTM-2009 (11 Sep 09 / 28 Sep 09)
 - IEEE Std 802.3atTM-2009 (11 Sep 09 / 30 Oct 09)
 - IEEE Std 802.3-2008/Cor1 (9 Dec 09 / 1 Feb 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 November

- New Orleans, LO, USA 25th through 29th January 2010
 - IEEE P802.3az, Energy Efficient Ethernet Task Force
 - IEEE P802.3ba, 40Gb/s and 100Gb/s Ethernet Task Force
 - IEEE P802.3.1, Ethernet MIBs Task Force
 - IEEE P802.3bf, Time Synchronization Protocol Task Force
 - IEEE 802.3, Maintenance Task Force
 - IEEE 802.3 40Gb/s Ethernet Single-mode fibre PMD Study Group

IEEE 802.3 ballots since November

- Working Group Ballots:
 - IEEE P802.3az D2.2, 2nd recirculation ballot
 - IEEE P802.3az D2.3, 3rd recirculation ballot
- Sponsor Ballots:
 - IEEE P802.3ba D3.0, Initial ballot
 - IEEE P802.3ba D3.1, 1st recirculation ballot
- Sponsor Ballots group formations
 - IEEE P802.3az

WG documents for March business

- IEEE P802.3az Energy-efficient Ethernet
 - IEEE P802.3az/D2.3 (3rd Working Group recirculation ballot) and ballot comments
- IEEE P802.3ba 40Gb/s and 100Gb/s Ethernet
 - IEEE P802.3ba/D3.1 (1st Sponsor recirculation ballot) and ballot comments
- IEEE P802.3.1 Ethernet MIBs
 - IEEE P802.3.1/D1.9 (Working Group preview)
- IEEE 802.3 40Gb/s Ethernet Single-mode Fibre PMD Study Group.
 - IEEE P802.3bg Physical Layer and Management Parameters for Serial 40 Gb/s Ethernet Operation Over Single Mode Fiber draft PAR, draft 5 Criteria and draft Objectives

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/mar10/1109_voters.pdf

- **IEEE 802.3 voter in peril**

http://www.ieee802.org/3/minutes/mar10/1109_peril.pdf

- **IEEE 802.3 potential voters**

http://www.ieee802.org/3/minutes/mar10/1109_potential.pdf

IEEE 802.3 Working Group Treasurer's Report

Wael William Diab
Acting Treasurer, IEEE 802.3 Working Group
wdiab@broadcom.com

Standards Board highlights (p.1)

- NesCom recommendations approved
 - IEEE 802.3 Projects approved
 - IEEE P802.3bf Media Access Control (MAC) service interface and management parameters to support time synchronization protocols
- RevCom recommendations approved
 - IEEE 802.3 Projects approved
 - IEEE Std 802.3™-2008/Cor1-2009 Corrigendum 1: Timing Considerations for PAUSE Operation
- PatCom
 - Short meeting

Standards Board highlights (p.2)

- ProCom items
 - Obligations and code of Ethics
 - Text approved
 - Implementation date set for 31st March 2010
 - Copyright
 - Received BoG approval
 - FAQ approved
 - Implementation date set for 31st March 2010
 - Operations Manual and Style guide

LMSC EC Report (p.1)

- IEEE 802 Treasury
 - Made a reasonable surplus in Atlanta
 - Cash reserve ~ 1.2M
- Elections
 - Paul Nickolich is standing for re-election
 - Some changes to appointed positions if re-elected
 - 1st Vice-chair: Pat Thaler
 - 2nd Vice-chair: Matthew Sherman,
 - Recording Secretary: James Gilb
 - Treasurer: John Hawkins
 - Executive Secretary: Jon Rosdahl
 - Meeting Manager Member: Emeritus Buzz Rigsbee
 - Advisor Member Emeritus: Geoff Thompson

LMSC EC Report (p.2)

- IEEE 802 Overview and Architecture
 - Open revision PAR for IEEE 802 O&A
 - Need broad review throughout Working Groups
 - Matt Landry is IEEE 802 O&A champion for IEEE 802.3
 - Email reflector <stds-802-arch@ieee.org>
 - Meetings this week
 - Tuesday 5PM to 7PM (Governors Boardroom)
 - Review outstanding comments, work item assignments
 - Thursday 8AM to 10AM (Governors Boardroom)
 - Review results, next steps
- Single standards sales
 - Looking to add Amazon as an additional channel

LMSC EC Report (p.3)

- IEEE Copyright and obligations
 - Implementation date of 31st March 2010
 - Update session this week
 - Wednesday 6:00PM to 7:00PM
- IEEE 802 LMSC rules
 - Now three documents
 - [IEEE 802 LAN/MAN Standards Committee \(LMSC\) Policies and Procedures](#)
 - Revision currently awaiting AudCom approval
 - [IEEE 802 LAN/MAN Standards Committee \(LMSC\) Operations Manual](#)
 - [IEEE 802 LAN/MAN Standards Committee \(LMSC\) Working Group \(WG\) Policies and Procedures](#)

LMSC EC Report (p.4)

- 30th Anniversary of IEEE 802
 - Tuesday evening 7:00PM to 9:00PM
 - Panel discussion (Grand Sierra D)
- EC Chairs meetings for this week
 - Wednesday 1:00PM to 4:00PM
 - IEEE 802 LMSC Task Force (Governors Boardroom)
 - Wednesday 5:00PM to 6:00PM
 - Copyright P&P review (Room TBD)
 - Thursday 10:00AM to 11:00AM
 - ‘virtual meeting’ discussion (Governors Boardroom)

Tutorials slots

- Monday 6:00PM to 7:30 PM
Personal Space Communications (PSC)
- Monday 7:30PM to 9:00 PM
IEEE 802 Emergency Services Project
- Monday 9:00PM to 10:30PM
Future IEEE 802.16 Networks:
Challenges and Possibilities

IEEE 802.3 Elections

- Process adopted in November
- Announced candidates
 - Chair: David Law
 - Vice Chair: Wael Diab
 - Any other candidates?
- Nominations close at the end of the IEEE 802.3 Opening Plenary meeting

Continuing Agenda ...