

IEEE 802.3 Working Group Opening Plenary 9th March 2015

David Law
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Agenda, voter lists:
<http://www.ieee802.org/3/minutes/mar15/index.html>

IEEE 802.3 Officers

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

IEEE 802.3 Vice Chair: Adam Healey <adam.healey@avagotech.com>

IEEE 802.3 Secretary: Pete Anslow <panslow@ciena.com>

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

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

IEEE 802.3 Task Force chairs

IEEE P802.3bn EPON Protocol over Coax (EPoC): Mark Laubach <laubach@broadcom.com>

IEEE P802.3bp 1000BASE-T1: Steve Carlson <scarlson@hspdesign.com>

IEEE P802.3bq 40GBASE-T: Dave Chalupsky <david.chalupsky@intel.com>

IEEE P802.3br Interspersing Express Traffic: Ludwig Winkel <ludwig.winkel@siemens.com>

IEEE P802.3bs 400 Gb/s Ethernet: John D'Ambrosia <john_dambrosia@dell.com>

IEEE P802.3bt DTE Power via MDI over 4-Pair: Chad Jones <cmjones@cisco.com>

IEEE P802.3bu 1-Pair Power over Data Lines (PoDL): Dave Dwelley <ddwelley@linear.com>

IEEE P802.3bv Gigabit Ethernet Over Plastic Optical Fiber: Bob Grow <bob.grow@ieee.org>

IEEE P802.3bw 100BASE-T1: Thomas Hogenmueller <thomas.hogenmueller@de.bosch.com>

IEEE P802.3by 25 Gb/s Ethernet: Mark Nowell <mnowell@cisco.com>

IEEE 802.3 Study Group chairs

IEEE 802.3 Next Generation Enterprise Access BASE-T PHY: Dave Chalupsky <david.chalupsky@intel.com>

IEEE 802.3 25GBASE-T: Dave Chalupsky <david.chalupsky@intel.com>

WG Decorum



- Photography or recording by permission only (December 2013 IEEE-SA Standards Board Ops Manual 5.3.3.4)
- Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (December 2013 IEEE-SA Standards Board Ops Manual 5.3.3.5)
- 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 and Minutes

- Approve agenda
 - <http://www.ieee802.org/3/minutes/mar15/>
 - Any modifications, additions or deletions?
- Approve November 2014 minutes
 - <http://www.ieee802.org/3/minutes/nov14/>
 - Published 19th November 2014
 - Minor correction published 27th February 2015
 - 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.



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

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>

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.

Important Bylaws and Rules

- IEEE-SA Operations Manual
 - http://standards.ieee.org/develop/policies/sa_opman/
- IEEE-SA Standards Board Bylaws
 - <http://standards.ieee.org/develop/policies/bylaws/>
- IEEE-SA Standards Board Operations Manual
 - <http://standards.ieee.org/develop/policies/opman/>
- IEEE 802 LAN/MAN Standards Committee (LMSC) Policies and Procedures
 - <http://standards.ieee.org/about/sasb/audcom/pnp/LMSC.pdf>
- IEEE 802 LAN/MAN Standards Committee (LMSC) Operations Manual
 - <http://www.ieee802.org/devdocs.shtml>
- IEEE 802 LAN/MAN Standards Committee (LMSC) Working Group (WG) Policies and Procedures
 - <http://www.ieee802.org/devdocs.shtml>
- IEEE 802.3 Working Group Operating Rules
 - http://ieee802.org/3/rules/P802_3_rules.pdf

Interim meetings since November 2014

- 12th through 16th January 2015, Atlanta, GA, USA
 - IEEE 802.3 interim meeting series
- 2nd and 3rd February 2015, Louisville, CO, USA
 - IEEE 802.3 Next Generation EPON (NGEPON) Ad Hoc
- 9th through 12th February 2015, Austin, TX, USA
 - IEEE P802.3bp 1000BASE-T1 Task Force
 - IEEE P802.3bw 100BASE-T1 Task Force

Membership and attendance recording

Membership requirements

- 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 potential voter agenda item at IEEE 802.3 opening or closing plenary
 - Participate in **two** out of the last **three** IEEE 802.3 Working Group ballots to retaining membership
 - Maintain valid contact information
 - Consistent declaration of affiliation

Membership and attendance recording Meeting attendance tool procedures

Pete Anslow

IEEE 802.3 Working Group Secretary

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Membership and attendance recording

Meeting attendance tool procedures

- The IEEE-SA Meeting Attendance Tool will be the basis of the official attendance record for this meeting: <http://imat.ieee.org>
- You need to login only once per meeting day
 - You are certifying that you are attending a "substantial" portion of that meeting day
- The server must be accessed from the meeting network
 - You will probably have to disconnect your VPN software
- Check that your affiliation (slide 24) and employer (slide 25) are correct per presentation below.
- Full details of how to record attendance are available at the URL below (this link was e-mailed to all registered participants prior to the meeting):

http://www.ieee802.org/3/minutes/mar15/0315_imat.pdf

Membership and attendance recording

Review of membership

- **IEEE 802.3 voters**

http://www.ieee802.org/3/minutes/mar15/0315_voters.pdf

- **IEEE 802.3 voters in peril**

http://www.ieee802.org/3/minutes/mar15/0315_peril.pdf

- **IEEE 802.3 potential voters**

http://www.ieee802.org/3/minutes/mar15/0315_potential.pdf

Treasury Report

IEEE 802.3 Ethernet Working Group

Valerie Maguire, IEEE 802.3 Treasurer
The Siemon Company

Berlin, Germany

March 9, 2015

IEEE 802.3 Ethernet Working Group Treasury Report

- IEEE 802.3 funds are deposited in a Wells Fargo Concentration Banking account supported by NetSuite online Accounting
- Automated 2014 tax filing
 - EZ L50-S replaced by NetSuite online Accounting
 - Opening 2013 balance: \$ 21,395.60
 - Deposits: (0.00)
 - Interest paid: 53.07
 - Debits: (0.00)
 - Closing 2014 balance: \$21,448.67

IEEE 802.3 Ethernet Working Group Treasury Report, cont.

- Account balance
 - Opening Nov 2014 balance:\$21,438.99
 - Deposits: (0.00)
 - Interest paid: 19.70
 - Debits: (0.00)
 - Closing Feb 2015 balance:\$21,458.69

IEEE-SA Standards Board activity since November

- NesCom recommendations (December meeting)
 - IEEE P802.3bv Gigabit Ethernet Over Plastic Optical Fiber
 - IEEE P802.3by 25 Gb/s Ethernet
- RevCom recommendations (January teleconference)
 - IEEE P802.3bm 40 Gb/s and 100 Gb/s optical Ethernet
- PatCom
 - Updates to Patent Slides for Standards Development Meetings
 - No updates to Patent Slides for Pre-PAR Meetings
- IEEE-SA Standards Board
 - Approved updates to Patent Letter of Assurance (LOA) Form
 - In support of patent policy updates
 - IEEE-SA Standards Board Operations Manual updates
 - Trial Use standards, use of commercial terms and conditions

IEEE 802 Executive Committee report (p.1)

- Treasury
 - Reserve remains just in excess of \$1M
 - Nov 2014 plenary meeting: Approx. \$37K loss
 - Jan 2015 hosted interim: Approx. \$115 surplus
 - March 2015 plenary meeting: \$86K loss
- Updates to IEEE LMSC Working Group P&P
- IEEE 802.24 setting up a IoT Task Force

IEEE 802 Executive Committee report (p.2)

Meeting for the week

- Sunday 7:30-9:30pm LMSC Rules Review (room 30441)
- Mon 6:30-10:00pm Tutorials (ECC room 1)
- Tue 9:00am-10:00am Student Outreach (room 30210)
- Tue 1:30pm-3:30pm 802/JTC1/SC6 standing committee (room 30441)
- Tue 4:00pm-6:00 Student Outreach (room 30210)
- Tue 7:30-9:30pm Privacy ECSG (ECC room 4)
- Wed 7:00-8:00am 802/ITU Standing Committee (room 30310)
- Wed 8:00-9:00am 802/IETF Standing Committee (room 30310)
- Wed placeholder
- Thu 7:00-8:00am Plenary venue space allocation planning (30241)
- Thu 8:00-9:00am Future venue planning (30241)
- Thu 9:00-10:00am 802 Chair's Open Office hour (30241)
- Thu 10:30-12:30pm IEEE 802 Task Force (30241)
- Thu 8:00-10:00am Privacy ECSG (ECC room 4)
- Fri 08:00am-noon open

IEEE 802 Executive Committee report (p.3)

IEEE 802 Task Force draft agenda

802 Task Force, Thurs 10:30-12:30 (room: 30241)

Tentative agenda

1. Open portion of meeting:

1. Update on draft Public Review policy, 15 min, Thompson
2. Update on clarification of Indemnification Policy, 5 min, Nikolich
3. Any other business?
4. Action item review, 10 min, Nikolich

2. Closed portion of meeting: draft Get IEEE 802 Agreement

1. Executive Session due to confidential content (limited to EC members and invited guests):
2. Review draft Get IEEE 802 agreement, 15 min, Nikolich
3. Action item review, 5 min, Nikolich

3. Adjourn

IEEE 802 Tutorials

- Session #1, Monday 18:00 to 19:30
 - Real-time Ethernet on IEEE 802.3 Networks
- Session #2, Monday 19:30 to 21:00
 - Introduction to EPON Protocol over Coax (EPoC): Part II
- Session #3, Monday 21:00 to 22:30
 - IEEE802.15.7r1 – Expanding User Experiences
- Other items of potential interest
 - Self-heating of the cable due to carrying power
 - **Wednesday 10h00 IEEE P802.3bt Task Force** : Presentation of *Technical Report, TR 50174-99-1 'Information technology - Cabling installation - Remote powering'* by CENELEC TC215 Working Group 1 Convenor
 - Proposal to develop YANG models for IEEE 802.1
 - **Tuesday 13h00 to 15h00 in IEEE 802.1**: Possible similar proposal may be made in IEEE 802.3 in the future, particularly if IEEE 802.1 takes this forward, Encourage those interested in management to attend

Continuing Agenda ...