

IEEE 802.3 Working Group Opening Plenary 9th November 2015

David Law
Chair, IEEE 802.3 Working Group
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Agenda, voter lists:
<http://www.ieee802.org/3/minutes/nov15/index.html>

IEEE 802.3 Officers

IEEE 802.3 Chair: David Law <dlaw@hpe.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 25G/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 P802.3by 25 Gb/s Ethernet: Mark Nowell <mnowell@cisco.com>

IEEE P802.3bz 2.5G/5GBASE-T: Dave Chalupsky <david.chalupsky@intel.com>

IEEE 802.3 Study Group chairs

IEEE 802.3 Next Generation Ethernet Passive Optical Network: Curtis Knittle <c.knittle@cablelabs.com>

IEEE 802.3 2.5 Gb/s and 5 Gb/s Backplane and Short Reach Copper: Yong Kim <ybkim@broadcom.com>

WG Decorum



- Photography or recording by permission only (December 2014 IEEE-SA Standards Board Ops Manual 5.3.3.2)
- Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (December 2014 IEEE-SA Standards Board Ops Manual 5.3.3.3)
- 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/nov15/>
 - Any modifications, additions or deletions?
- Approve July and September 2015 minutes
 - <http://www.ieee802.org/3/minutes/Jul15/>
 - Published 24th July 2015
 - <http://www.ieee802.org/3/minutes/sep15/>
 - Published 18th September 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 14 and 15 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**
 - **“Should inform the IEEE (or cause the IEEE to be informed)” of the identity of “any other holders of 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 July 2015

- 12th August 2015, Durham, NH, USA
 - IEEE 802.3 (IEEE 802.3bx) Maintenance 11 (revision) Task Force
- 20th August 2015, Irvine, CA, USA
 - IEEE P802.3bw 100BASE-T1 Task Force
- 14th through 18th September 2015, Bonita Springs, FL, USA
 - IEEE 802.3 interim meeting series
- 13th through 16th October 2015, Catania Italy
 - IEEE P802.3bt DTE Power via MDI over 4-Pair Task Force
 - IEEE P802.3bu 1-Pair Power over Data Lines (PoDL) Task Force
- 15th October 2015, Milpitas, CA, USA
 - IEEE P802.3by 25 Gb/s Ethernet 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

panslow@ciena.com

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/nov15/1115_imat.pdf

Membership and attendance recording

Review of membership

- **IEEE 802.3 voters**

http://www.ieee802.org/3/minutes/nov15/1115_voters.pdf

- **IEEE 802.3 voters in peril**

http://www.ieee802.org/3/minutes/nov15/1115_peril.pdf

- **IEEE 802.3 potential voters**

http://www.ieee802.org/3/minutes/nov15/1115_potential.pdf

Treasury Report

IEEE 802.3 Ethernet Working Group

*Valerie Maguire, IEEE 802.3 Treasurer
The Siemon Company*

Dallas, TX

November 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
- Account balance
 - Opening July 2015 balance: \$21,477.90
 - Deposits: (0.00)
 - Interest paid: 19.58
 - Debits: (0.00)
 - Closing October 2015 balance: \$21,497.48

IEEE 802 Executive Committee report (p.1)

- Proposal to disband IEEE 802.18 Radio Regulatory Technical Advisory Group and move to standing committee
 - Other cross IEEE 802 outward focused groups are IEEE 802 Executive Committee standing committees (e.g. JTC1, ISO, IETF)
- Report on 3GPP workshop on 5G mobile networking
 - IEEE 802.11 plenary meeting Wednesday at 11:47am
- myProject redesign
 - Thursday 12:00-13:30 demo and Q&A session (Landmark D)

IEEE 802 Executive Committee report (p.2)

Meeting for the week

- Sunday 7:30-9:30pm LMSC Rules Review (room Pryor Crocket)
- Mon 8:00-10:00am Opening Executive Committee meeting (Landmark D)
- Mon 6:00-10:00pm Tutorials (Landmark BC) Tue 9:00am-10:00am open
- Tue 8:00- 830am 802/IETF Standing Committee (Pryor Crocket)
- Tue 8:30- 900am Moving Radio Regulatory to standing committee (Pryor Crocket)
- Tue 1:30pm-3:30pm 802/JTC1/SC6 Standing Committee (Bryan-Beeman A)
- Tue 7:30-9:30pm 802E Privacy project (Cotton Bowl)
- Wed 8:00-9:00am 802/ITU Standing Committee (Pryor Crocket)
- Wed 5:00-6:00pm Moving Radio Regulatory to standing committee (Pryor Crocket)
- Thu 7:00-8:00am Plenary venue space allocation planning (Pryor Crocket)
- Thu 8:00-9:00am Future venue planning (Pryor Crocket)
- Thu 9:00-10:00am 802 Chair's Open Office hour (Pryor Crocket)
- Thu 10:30-12:30pm IEEE 802 Task Force (Pryor Crocket)
- Thu 1:30-3:30pm 802/JTC1/SC6 Standing Committee – if required (Bryan-Beeman A)
- Thu 4:00-6:00pm get 802 agreement discussion, Executive Session (Pryor Crocket)
- Fri 01pm-06pm closing Executive Committee meeting (Landmark D)

IEEE 802 Executive Committee report (p.3)

IEEE 802 Task Force draft agenda

802 Task Force, Thurs 10:30AM-12:30 (room: Pryor Crocket)

Tentative agenda

1. Open portion of meeting:

1. Update on clarification of Indemnification Policy, 5 min, Nikolich
2. IEEE SA staff update, 15 min, tbd
3. Any other business?
4. Action item review, 5 min, Nikolich

2. Closed portion of meeting:

1. No executive session business.

3. Adjourn

IEEE 802 Tutorials

- Session #1, Monday 18:00 to 19:30
- Title: A Quick Walk Around the Block with PoDL
 - The goals are to make the IEEE 802 community aware of PoDL and assist with review the PoDL draft.
- Session #2, Monday 19:30 to 21:00
- Title: Perspectives on IEEE 802.11 in NGMN/5G
 - The planned format for this section will consist of panelists from different parts of the WLAN/cellular industry, each of whom will give a brief presentation, followed by questions and discussion from the audience.
- Session #3, Monday 21:00 to 22:30
- Title: Object Storage – a new architectural partitioning in Storage
 - This tutorial will discuss the current state and future prospects for object drives, and also the relevancy to IEEE 802.3 Ethernet and other networks that supports Object Storage access over IP.

Review other IEEE 802 PARs

Liaison letters

Continuing Agenda ...