

IEEE 802.3 Working Group Opening Plenary 7th November 2016

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Agenda, voter lists:
<http://www.ieee802.org/3/minutes/nov16/index.html>

IEEE 802.3 Officers

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

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

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IEEE 802.3 Task Force chairs

IEEE P802.3bs 200 Gb/s and 400 Gb/s Ethernet: John D'Ambrosia <jdambrosia@ieee.org>

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): Dan Dove <dan_dove@ieee.org>

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

IEEE P802.3ca 25 Gb/s, 50 Gb/s, and 100 Gb/s EPON: Curtis Knittle <c.knittle@cablelabs.com>

IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane: Dan Smith <daniel.f.smith@seagate.com>

IEEE P802.3cc 25 Gb/s Ethernet over Single-Mode Fiber: David Lewis <David.Lewis@lumentum.com>

IEEE P802.3cd 50 Gb/s, 100 Gb/s, and 200 Gb/s Ethernet: Mark Nowell <mnowell@cisco.com>

IEEE 802.3.2 (IEEE 802.3cf) YANG Data Model: Yan Zhuang <zhuangyan.zhuang@huawei.com>

IEEE 802.3 Study Group chairs

IEEE 802.3 10 Mb/s Single Twisted Pair Ethernet: George Zimmerman
<george@cmephyconsulting.com>

WG Decorum



- Photography or recording by permission only (December 2015 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 2015 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/nov16/>
 - Any modifications, additions or deletions?
- Approve July 2016 plenary meeting and September 2016 interim meeting minutes
 - <http://www.ieee802.org/3/minutes/jul16/>
 - Published 8th August 2016
 - <http://www.ieee802.org/3/minutes/sep16/>
 - Published 23rd September 2016
 - 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 2016

- 12th through 16th September 2016, Fort Worth, TX, USA
 - IEEE 802.3 interim meeting series
- 10th October 2016, Santa Barbara, CA
 - IEEE P802.3bu 1-Pair Power over Data Lines (PoDL) Task Force interim
- 20th October 2016, Milpitas, CA
 - IEEE P802.3cc 25 Gb/s Ethernet over Single-Mode Fiber Task Force interim

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/nov16/1116_imat.pdf

Membership and attendance recording

Review of membership

- IEEE 802.3 voters

http://www.ieee802.org/3/minutes/nov16/1116_voters.pdf

- IEEE 802.3 voters in peril

http://www.ieee802.org/3/minutes/nov16/1116_peril.pdf

- IEEE 802.3 potential voters

http://www.ieee802.org/3/minutes/nov16/1116_potential.pdf

IEEE 802.3 Treasury Report

IEEE 802 Executive Committee report

- No changes proposed to P&P, OM, WG P&P
- Proposed [additional meeting slide](#)
 - Existing IEEE-SA and IEEE 802 policies and guidance on participation in IEEE 802 individual based standards development projects
- Treasury
 - Atlanta
 - \$100K surplus
 - Macao
 - Currently \$120K loss
 - Sponsorship \$128K from Macao Government

IEEE 802 Executive Committee report (p.2)

Meeting for the week (provisional)

Sunday 19:30-21:30 LMSC Rules Review (Crockett A)

Mon 08:00-10:00 Opening Executive Committee meeting (Texas C)

Mon 18:00-22:00 no tutorials this session Tue 08:00-13:30 open (Crockett A)

Tue 07:00-09:00 Tgax report, 802 EC executive session (Crockett A)

Tue 13:30-15:30 802/JTC1/SC6 Standing Committee (Crockett A)

Tue 13:30-15:30 802/IETF Standing Committee (tbd)

Wed 08:00-09:00 802/ITU Standing Committee (Crockett A)

Thu 07:00-08:00 Plenary venue space allocation planning (Crockett A)

Thu 08:00-09:00 Future venue planning (Crockett A)

Thu 09:00-10:00 802 Chair's Open Office hour (Crockett A)

Thu 10:30-12:30pm IEEE 802 Task Force (Crockett A)

Fri 08:00-noon open (Crockett A)

Fri 13:00-18:00 closing Executive Committee meeting (Texas C)

IEEE 802 Executive Committee report (p.3)

IEEE 802 Task Force draft agenda

- IEEE 802 Task Force Thurs 10:30-12:30

Tentative agenda

1. Open portion of meeting:

1. Clarification of Indemnification Policy update, 15 min, Thompson
2. Marketing support concerns, 15 min, Law
3. IEEE SA staff update, 15 min, tbd
4. Any other business, 15min, tbd?
5. Action item review, 5 min, Nikolich

2. Closed portion of meeting (if necessary):

1. Indemnification Policy discussion, 30 min, Thompson

3. Adjourn

Other IEEE 802 PARs under consideration this week

- New Standard PARs
 - IEEE P802.1CS Link-local Registration Protocol
 - IEEE P802.19.2 Amendment: Coexistence of Unlicensed Wireless Systems in an Automotive Environment
- Revision PAR
 - IEEE P802.1AR Secure Device Identity draft
- Amendment project PAR
 - IEEE P802.11 Amendment: Low-power wake-up radio operation
- PAR Modification request:
 - IEEE P802c Amendment: Local Medium Access Control (MAC) Address Usage

ISO/IEC SC25/WG3 liaison report

TIA TR-42 liaison report

Liaison (con't)

- External Liaison request
 - ISO TC22 SC32 category A liaison request
 - IEEE P802.3bv Task Force
- New external Liaison letters
 - Broadband Forum Low power modes for fibre backhaul for FTTdp
 - John D'Ambrosia and Curtis Knittle
 - ISO/IEC JTC1/SC25/WG3 Elevated temperature operation of cabling
 - TIA TR-42 Elevated temperature operation of cabling
 - IEEE P802.3bt Task Force

Assigned group or individual to review letter and make a recommendation at the IEEE 802.3 closing plenary if there should be a reply, and if so, propose a draft reply

Liaison (con't)

- New external Liaison letters (con't)
 - ISO/IEC JTC1/SC25/WG3 2.5/5GBASE-T and 25GBASE-T
 - David Chalupsky
 - TIA TR-42 1-pair cabling and applications liaison letter
 - IEEE 802.3 10 Mb/s Single Twisted Pair Ethernet Study Group
 - ITU-T SG15 Generic & Transport Technology Specific Management Information Models
 - ITU-T SG15 Reply to Liaison “NetConf(NC)/YANG management for PON”
 - IEEE P802.3.2 (IEEE 802.3cf) Task Force

Assigned group or individual to review letter and make a recommendation at the IEEE 802.3 closing plenary if there should be a reply, and if so, propose a draft reply

Liaison (con't)

- ITU-T SG15 Standardization Work Plans
 - Access Network Transport (ANT)
 - Home Network Transport (HNT)
 - Optical Transport Network Technology (OTNT)
 - Since next ITU-T SG15 plenary is 19th to 30th June 2017 recommend that we defer responses until May 2017 IEEE 802.3 interim meeting
 - New external liaison letters information item
 - OIF: Progress on OIF CEI-56G Projects
 - Internal liaison report
 - Potential IEEE 802 5G Industry Connection activity report
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Continuing Agenda ...