

# IEEE 802.3 Working Group Closing Plenary 9<sup>th</sup> November 2017

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Agenda, voter lists:  
<http://www.ieee802.org/3/minutes/nov17/index.html>

# IEEE 802.3 Officers

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

IEEE 802.3 Vice Chair: Adam Healey <adam.healey@broadcom.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 P802.3bs 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 P802.3ca 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 Cables: 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 P802.3cg 10 Mb/s Single Twisted Pair Ethernet: George Zimmerman <george@cmephyconsulting.com>

IEEE P802.3ch Multi-Gig Automotive Ethernet PHY: Steve Carlson <scarlson@ieee.org>

## **IEEE 802.3 Study Group chair**

IEEE 802.3 Beyond 10 km Optical PHYs: John D'Ambrosia <jdambrosia@ieee.org>

# WG Decorum



- Photography or recording by permission only (December 2016 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 2016 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

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- Approve agenda
  - <http://www.ieee802.org/3/minutes/nov17/>
  - Any modifications, additions or deletions?

# 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](mailto: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.**

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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

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- IEEE-SA Operations Manual
  - [http://standards.ieee.org/develop/policies/sa\\_opman/](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](http://ieee802.org/3/rules/P802_3_rules.pdf)

# Participation in IEEE 802 Meetings

**Participation in any IEEE 802 meeting (Sponsor, Sponsor subgroup, Working Group, Working Group subgroup, etc.) is on an individual basis**

- **Participants in the IEEE standards development individual process shall act based on their qualifications and experience. ([https://standards.ieee.org/develop/policies/bylaws/sb\\_bylaws.pdf](https://standards.ieee.org/develop/policies/bylaws/sb_bylaws.pdf) section 5.2.1)**
- **IEEE 802 Working Group membership is by individual; “Working Group members shall participate in the consensus process in a manner consistent with their professional expert opinion as individuals, and not as organizational representatives”. (subclause 4.2.1 “Establishment”, of the IEEE 802 LMSC Working Group Policies and Procedures)**
- **Participants have an obligation to act and vote as an individual and not under the direction of any other individual or group. A Participant’s obligation to act and vote as an individual applies in all cases, regardless of any external commitments, agreements, contracts, or orders.**
- **Participants shall not direct the actions or votes of any other member of an IEEE 802 Working Group or retaliate against any other member for their actions or votes within IEEE 802 Working Group meetings, see [https://standards.ieee.org/develop/policies/bylaws/sb\\_bylaws.pdf](https://standards.ieee.org/develop/policies/bylaws/sb_bylaws.pdf) section 5.2.1.3 and the IEEE 802 LMSC Working Group Policies and Procedures, subclause 3.4.1 “Chair”, list item x.**

**By participating in IEEE 802 meetings, you accept these requirements. If you do not agree to these policies then you shall not participate**

(Latest revision of IEEE 802 LMSC Working Group Policies and Procedures: <http://www.ieee802.org/devdocs.shtml>)

# Membership and attendance recording

## Membership requirements

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- 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

## Review of membership

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- IEEE 802.3 voters

[http://www.ieee802.org/3/minutes/nov17/1117\\_voters.pdf](http://www.ieee802.org/3/minutes/nov17/1117_voters.pdf)

**Plus those added on Monday**

- IEEE 802.3 voters in peril

[http://www.ieee802.org/3/minutes/nov17/1117\\_peril.pdf](http://www.ieee802.org/3/minutes/nov17/1117_peril.pdf)

- IEEE 802.3 potential voters

[http://www.ieee802.org/3/minutes/nov17/1117\\_potential.pdf](http://www.ieee802.org/3/minutes/nov17/1117_potential.pdf)

**Those added Monday marked with '(o)'**

# IEEE 802 Executive Committee report

## Cross-IEEE 802 topics

<b>Monday</b>	<b>Notes</b>
<b>18:00-19:20 Tutorial: Use of 802.11 for 5G mmWave Systems</b>	Grand Sierra D
<b>19:30-20:50 Tutorial: Local MAC Addresses in 802 Overview and Architecture</b>	Grand Sierra D
<b>21:00-22:30 OPEN</b>	
<b>Tuesday</b>	
<b>13:30-15:30 802/JTC1 Standing Committee, Myles</b>	Governors Boardroom
<b><del>13:30-15:30 802/IETF Standing Committee, Thaler</del></b>	not being held this week
<b>19:00-21:00 802.1 Industry Connections: Network Enhancements for the Next Decade</b>	Grand Sierra G
<b>Wednesday</b>	
<b>08:00-09:00 802/ITU Standing Committee, Parsons</b>	Boca II
<b>19:00-21:30 Social Reception</b>	Pavillion
<b>Thursday</b>	
<b>07:30-08:00 Next Venue Logistics, Rosdahl</b>	Governors Boardroom
<b>08:00-09:00 Future Venues Ad Hoc, Rosdahl</b>	
<b>09:00-10:00 802 Chair's Open Office Hours, Nikolich</b>	
<b>13:30-15:30 802/JTC1 Standing Committee, Myles</b>	Governors Boardroom

# IEEE 802 Executive Committee report

## Meeting for the week

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Sunday 19:30-21:30	LMSC Rules Review
Mon 08:00-10:00	Opening Executive Committee meeting
Tue 07:00-13:30	open
Tue 13:30-15:30	802/JTC1/SC6          Standing Committee
Tue 13:30-15:30	<del>802/IETF</del> <del>Standing Committee</del>
Tue 16:00-18:00	open
Wed 08:00-09:00	802/ITU          Standing Committee
Thu 07:30-08:00	Next plenary venue space allocation planning
Thu 08:00-09:00	Future venue planning
Thu 09:00-10:00	802 Chair's Open Office hour
Thu 10:30-12:30pm	IEEE 802 Task Force
Thu 13:30-15:30	<del>802/JTC1/SC6</del> <del>Standing Committee</del>
Thu 16:00-18:00pm	open
Fri 08:00-10:00	open
Fri 10:00-12:00	closing EC agenda prep
Fri 13:00-18:00	closing Executive Committee meeting

# IEEE 802 Executive Committee report

## IEEE 802 Task Force draft agenda

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

### Tentative agenda

#### 1. Open portion of meeting:

1. IEEE SA Open Source update, 15 min, Adam Newman
2. Any other business?
3. Action item review, 5 min, Nikolich

#### 2. Closed portion of meeting (as necessary):

1. (Time specific: noon) IEEE SA tools update/discussion, 15 min, Roger Marks, Adam Newman

#### 3. Adjourn



# IEEE 802.3 Working Group Proposed election procedures March 2018 elections

# General information & requirements

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- IEEE 802 LMSC P&P specifies elections occur the first plenary meeting of even numbered years
- IEEE 802 LMSC Officers
  - LMSC Chair will be elected by current Executive Committee during Friday, 9<sup>th</sup> March 2018 EC meeting
  - TAG/WG Chair and Vice Chair elected by respective groups
  - LMSC officers are appointed by the Chair and confirmed by the EC
- IEEE 802.3 Chair and Vice Chair
  - Any candidates are requested to consult with a member of the EC and announce their candidacy
  - All candidates shall assure they are eligible for confirmation at the March closing EC meeting, and submit for eligibility review:
    - Letter of support
    - Affiliation statement

# IEEE 802.3 Election Process (p.1)

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- Opening IEEE 802.3 plenary meeting (March 2018)
  - Candidates may announce before or during the opening IEEE 802.3 plenary session agenda item
  - If a paper ballot is to be used, it must be mandated by motion during the opening plenary meeting agenda item
  - Nominations will be closed at the end of the meeting
- Closing IEEE 802.3 plenary meeting (March 2018)
  - An Elections Chair will be established for each election
    - Current IEEE 802.3 Chair if not standing for election to the office
    - Else, if not a candidate for the office, current Vice Chair conducts election of Chair, current Chair conducts election of Vice Chair
    - Else, an Elections Chair will be selected by vote of the WG
  - Candidates will be granted time for brief statements
  - Candidates will leave the room during WG discussion prior to a vote

# IEEE 802.3 Election Process (p.2)

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- Only IEEE 802.3 members may vote
- Default method of voting is by show of hands with candidates absent from room
  - If no candidate receives a majority of votes cast, a subsequent vote will be conducted
  - On each iteration the candidate with lowest vote count from the previous ballot is eliminated and may return to the room
  - Acting chair may allow limited discussion between ballots
- If a paper ballot was mandated by majority motion
  - Candidates may be present during voting
  - Similar multiple rounds of balloting if required
  - The Elections Chair shall select two monitors to assist in
    - The distribution and counting of ballots
    - Ballots shall be counted in the meeting room
    - A ballot must be marked for only one of the listed candidates to be counted

# IEEE 802.3 Election Process Motion

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- Adopt the election rules as shown in [1117\\_802\\_3\\_closing\\_plenary.pdf](#).

# Continuing Agenda ...