IEEE 802.3 Working Group Opening Plenary
11th November 2013

David Law
Chair, IEEE 802.3 Working Group
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Agenda, voter lists:
http://www.ieee802.org/3/minutes/nov13/index.html

IEEE 802.3 Officers

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

IEEE 802.3 Vice Chair: Adam Healey <adam.healey@lsi.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 P802.3bj 100 Gb/s Backplane and Copper: Adam Healey <adam.healey@lsi.com>

IEEE P802.3bm 40Gb/s and 100 Gb/s Optical Ethernet: Dan Dove <dan_dove@ieee.org>

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

IEEE P802.3bp Reduced Twisted Pair 1Gb/s Ethernet (RTPGE) PHY: Steve Carlson <scarlson@hspdesign.com>

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

IEEE 802.3 Study Group chairs

IEEE 802.3 Distinguished Minimum Latency Traffic (DMLT) Ludwig Winkel <ludwig.winkel@siemens.com>

IEEE 802.3 400 Gb/s Ethernet: John D'Ambrosia <john_dambrosia@dell.com>

IEEE 802.3 4-pair Power over Ethernet: Chad Jones <cmjones@cisco.com>

IEEE 802.3 1-Pair Power over Data Lines (PoDL) Dave Dwelley <ddwelley@linear.com>

WG Decorum

- Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (December 2012 IEEE-SA Standards Board Ops Manual 5.3.3.5)
- Photography or recording by permission only (December 2012 IEEE-SA Standards Board Ops Manual 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
- Please observe proper decorum in meetings

Agenda and Minutes

- Approve agenda
  - http://www.ieee802.org/3/minutes/nov13/
  - Any modifications, additions or deletions?

- Approve July 2013 minutes
  - http://www.ieee802.org/3/minutes/jul13/
  - Published 6th August April 2013
  - 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.

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(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 [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**

25 March 2008 (updated January 2012)

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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

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25 March 2008 (updated January 2012)

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

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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.

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IEEE 802.3 Standards

- IEEE Std 802.3™-2012 (30th Aug 12 / 28th Dec 12)*

- IEEE Std 802.3.1™-2013 (14th Jun 13 / 2nd Aug 13)
- IEEE Std 802.3bk™ -2013 (23rd Aug 13 / 30th Aug 13)

* Available through Get IEEE 802
    http://standards.ieee.org/getieee802/802.3.html

      Note 1: Dates are Approval date / Publication date

Activities since July 2013 meeting Interim meetings

- 1st through 5th September 2013, York, Yorkshire, UK
    - IEEE 802.3 Maintenance Task Force
    - IEEE P802.3bj 100 Gb/s Backplane and Copper Task Force
    - IEEE P802.3bm 40Gb/s and 100 Gb/s Optical Ethernet Task Force
    - IEEE P802.3bn EPON Protocol over a Coax (EPoC) Task Force
    - IEEE P802.3bp Reduced Twisted Pair 1Gb/s Ethernet PHY Task Force
    - IEEE P802.3bq 40GBASE-T Task Force
    - IEEE 802.3 Distinguished Minimum Latency Traffic (DMLT) Study Group
    - IEEE 802.3 400 Gb/s Ethernet Study Group
    - IEEE 802.3 4-pair Power over Ethernet Study Group
    - IEEE 802.3 1-pair Power over Data Lines (PoDL) Study Group

Activities since July 2013 meeting
IEEE 802.3 balloting

- Working Group Ballots:
  - IEEE P802.3bj 2nd recirculation
  - IEEE P802.3bj 3rd recirculation

- Sponsor Ballots:
  - None

- Sponsor Ballots group formations
  - IEEE P802.3bj

Documents for November business

- IEEE P802.3bj 100 Gb/s Backplane and Copper Cable Task Force
  - IEEE P802.3bj/D2.3 and 3rd Working Group recirculation ballot comments
- IEEE P802.3bm 40 Gb/s and 100 Gb/s Over Fiber Optic Cable
  - IEEE P802.3bm/D1.2 Working Group preview draft
- IEEE 802.3 Distinguished Minimum Latency traffic Study Group
  - IEEE P802.3br Amendment: Specification and Management Parameters for Interspersing Express Traffic PAR, 5C and objectives
- IEEE 802.3 4-Pair power over Ethernet Study Group
  - IEEE P802.3bt Amendment: Physical Layer and Management Parameters for DTE Power via MDI over 4-Pair PAR, 5C and objectives
- IEEE 802.3 1-pair Power over Data Lines (PoDL) Study Group
  - IEEE P802.3bu Amendment: Physical Layer and Management Parameters for 1-Pair Power over Data Lines PAR, 5C and objectives

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 IEEE 802.3 potential voter agenda item
  - Participate in 2 of last 3 WG ballots (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
Review of membership

- IEEE 802.3 voters

  http://www.ieee802.org/3/minutes/nov13/1113_voters.pdf

- IEEE 802.3 voters in peril

  http://www.ieee802.org/3/minutes/nov13/1113_peril.pdf

- IEEE 802.3 potential voters

  http://www.ieee802.org/3/minutes/nov13/1113_potential.pdf

Reflectors and Working Group information

- IEEE 802.3 Working Group reflector <stds-802-3@ieee.org>
  - Not general discussion reflector
  - Subscription limited to members and observers
  - Monitored reflector for announcements of WG business
  - Archive is password protected
- IEEE 802.3 dialog reflector <stds-802-3-dialog@ieee.org>
  - Location for appropriate non project related discussion
- Meeting announcements
  - Sent to IEEE 802.3 and relevant TF/SG reflector(s)
- IEEE 802.3 TF/SG reflectors
  - Location for appropriate project related discussion
  - Subscription instructions are on the related TF/SG web page
- IEEE 802.3 Working Group web site
  - www.ieee802.org/3
  - Private areas access information announced in reports

IEEE 802.3 Working Group Treasurer's Report

Valerie Maguire

IEEE 802.3 Working Group Treasurer

valerie_maguire@siemon.com

IEEE-SA Standards Board IEEE 802.3 related actions since July

- NesCom recommendations
  - None

- RevCom recommendations (Aug IEEE-SASB meeting)
  - IEEE P802.3bk Extended EPON
    - Standard approved

- ICCom recommendations
  - None

IEEE-SA Standards Board
August 2013 meeting highlights

- ICCom
  - ICCom IPR Ad Hoc

- ProCom
  - Public review Ad Hoc
  - myProject and Affiliation

- PatCom
  - Enforcement agencies challenges Ad Hoc

- IEEE-SA Standards Board
  - ICCom Work Product Scope Ad Hoc

IEEE 802 Executive Committee report (p.1)

- IEEE 802 Overview and Architecture
  - Ballot closes Tuesday 11:59PM ET
    - 47 comments received so far
  - Meetings this week
    - Monday 1:30PM, Thursday 10:00AM

- IEEE 802 rules
  - 5 Criteria change proposals
  - Reciprocal rights
  - Fee waiver for individuals other SDOs
    - Not for technical participation

- IEEE 802 EC Workshop on Saturday 16th November
  - Next generation publication system
  - IEEE 802 marketing for 2014
  - Technical interchange between Working Groups

IEEE 802 Executive Committee report (p.2)

- JTC1 SC6 Ad Hoc
  - Tuesday, Wednesday, Thursday 1:30 to 3:30PM
    - No IEEE 802.3 items

- Treasury
  - Current reserve of ~$1.1M
  - Geneva meeting
    - Generated surplus of ~$120K
  - Dallas meeting
    - Registration of ~800
    - Expected loss of ~$59K
  - Beijing meeting
    - Deposit of ~346K paid

- RAC meeting
  - Thursday 6:00PM to 10:00PM

IEEE 802 Executive Committee report (p.3) Meeting for the week

Sunday 7:00-9:30pm   LMSC Rules Review (Pryor Crockett)

Monday 1:30-3:00   802 Architecture (Cockrell)
Monday 7:00-10:00pm   30/40th 802.3/Ethernet Anniversary Celebration

Tuesday 8-10am   Future Venue details (Pryor Crockett)
Tuesday 8-9am   University Outreach Orientation (Reunion G)
Tuesday 1:30pm-3:30pm   JTC1/SC6 ad hoc (cross 802 related topic, Windsor)
Tuesday 5-6pm   802 Chair's "open office hours" (room tbd)
Tuesday 7:30-9:00   EUI-64 only bridging and 48/64 heterogeneous bridging

Wed 1:30pm-3:30pm   JTC1/SC6 ad hoc (cross 802 related topic, Windsor)

Thursday 8:00-10:00   Meeting planner RFP (Pryor Crockett)
Thursday 10:30-12:30   802 Architecture (Cockrell)
Thursday 10-noon   IEEE 802 Task Force (room: tbd)
Thursday 1:30-3:30pm   JTC1/SC6 ad hoc (cross 802 related topics, Windsor)

IEEE 802 Executive Committee report (p.4) IEEE 802 Task Force tentative agenda

802 Task Force, Thurs 10AM-noon (room: TBD)

Tentative agenda

1. SA/802 roles and responsibilities clarification (Gerdon)
2. Review of recently reorganized SA Organization (McCabe)
3. getIEEE 802 review revised agreement (McCabe)
4. Next generation publishing program status update (Penciak)
5. International Topics (Haasz)
6. ITU World Summit on the Information Society (WSIS) status (Parsons)
7. Web conferencing pilot program status (Bennett)
8. Any Other Business?
9. Action item review – Nikolich
10. Adjourn

Approval required to hold
IEEE 802.3 Vice-Chair election

- Requirements in respect to Vice Chair election
  - Subclause 6.3 'Temporary appointments to vacancies' of the IEEE 802 WG P&P state that an election for the vacated office shall be conducted at the earliest practical time.

    http://www.ieee802.org/PNP/approved/IEEE_802_WG_PandP_v13.pdf#Page=5

  - Subclause 9.3 'Actions requiring approval by three-quarters vote' of the IEEE 802 WG P&P state that an officer election, other than at the first plenary session of even numbered year, requires approval by a three-quarters vote of the Working Group.

    http://www.ieee802.org/PNP/approved/IEEE_802_WG_PandP_v13.pdf#Page=11

Proposed Vice-Chair election process

- Opening IEEE 802.3 plenary meeting
  - 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 this agenda item
  - Nominations will be closed at the end of this meeting
- Closing IEEE 802.3 plenary meeting
  - Current Chair serves as Elections Chair
  - Candidates will be granted time for brief statements
  - Candidates will then leave the room during
  - A WG discussion will take place prior to a vote

Proposed Vice-Chair election process

- 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
  - Elections 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
    - Ballot must be marked for only one listed candidates to be counted

Items of interest

- Ethernet 40th Celebration

- DKE update

- The 3rd Ethernet & IP @ Automotive Technology Day
  - 500 + attendees in Stuttgart, Germany, hosted by Bosch
  - Focus on automotive Ethernet
  - David Law and Steve Carlson presented
  - IEEE-SA was a co-sponsor
  - Ethernet Techday will become an IEEE event going forwards
  - The "4th Ethernet & IP @ Automotive Technology Day" will take place on October 23rd/24th 2014 in Detroit, MI, USA

IEEE 802 Tutorials

- Session #1, Tuesday 6:00 PM to 7:30 PM
  - Wireless SDN in Access and Backhaul

- Session #2, Tuesday 7:30 PM to 9:00 PM
  - None

- Session #3, Tuesday 9:00 PM to 10:30 PM
  - None

Continuing Agenda ...