

IEEE 802.3 Working Group Closing Plenary 18th July 2013

David Law
Chair, IEEE 802.3 Working Group
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Agenda, voter lists:
<http://www.ieee802.org/3/minutes/jul13/index.html>

IEEE 802.3 Officers

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

IEEE 802.3 Vice Chair: Wael William Diab <wdiab@broadcom.com>

IEEE 802.3 Secretary: Adam Healey <adam.healey@lsi.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 P802.3.1 (IEEE 802.3.1a) Ethernet MIBs (revision): Howard Frazier <hfrazier@broadcom.com>

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

IEEE P802.3bk Extended Ethernet Passive Optical Network: Marek Hajduczenia <marek.hajduczenia@zte.pt>

IEEE P802.3bm 40Gb/s and 100 Gb/s Optical Ethernet: Dan Dove <ddove@apm.com>

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@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>

WG Decorum



- Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (2008 SASB Op Manual 5.3.3.5)
- Photography or recording by permission only (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

- Approve agenda
 - <http://www.ieee802.org/3/minutes/jul13/>
 - 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 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.

General WG business

Membership and review of membership

- Membership (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
- Review of membership
 - Review of voting membership
http://www.ieee802.org/3/minutes/jul13/0713_voters.pdf
Plus those added on Monday
 - Review of voter in peril
http://www.ieee802.org/3/minutes/jul13/0713_peril.pdf
 - Review of potential voters
http://www.ieee802.org/3/minutes/jul13/0713_potential.pdf
Those added Monday marked with '(o)'

IEEE 802.3 voters

July 2013 (page 1 of 6)

Abaye, Ali

Abbas, Ghani

Abbott, John

Abramson, David

Abughazaleh, Shadi

Allard, Michel

Amlashi, Peerouz

Anderson, Jon

Anslow, Peter

Balasubramanian,
Koussalya

Baldwin, Thananya

Barnett, Barry

Barr, David

Barrass, Hugh

Bates, Stephen

Beaudoin, Denis

Ben-Artzi, Liav

Bennett, Michael

Bergey, Chris

Bevilacqua, John

Bhatt, Vipul

Bhoja, Sudeep

Bliss, William

Booth, Brad

Boyd, Edward

Braun, Ralf-Peter

Breuer, Dirk

Brophy, Timothy

Brown, Alan

Brown, Kevin

Brown, Matthew

Bugg, Mark

Carlson, Steve

Carroll, J. Martin

Casher, Patrick

Chadha, Mandeep

Chalupsky, David

Chang, Fuhlim

Chang, Jacky

Chang, Xin

Cheng, Wheling

Chou, Joseph

Choudhury, Golam

Cibula, Peter

IEEE 802.3 voters

July 2013 (page 2 of 6)

Cideciyan, Roy

Cole, Christopher R

Cook, Charles

Cui, Kai

Dai, Eugene

Dai, Shaoan

Dambrosia, John

Darling, Mike

Darshan, Yair

Dawe, Piers

Delveaux, William

Diab, Wael

Dickinson, John

Diminico, Chris

Donahue, Curtis

Donnay, Beth

Dove, Dan

Dudek, Mike

Dwelley, David

Elbakoury, Hesham

Erba, Simone

Estes, David

Ewen, John

Farhoodfar, Arash

Flatman, Alan

Forbes, Harry

Frazier, Howard

Ganga, Ilango S.

Garavaglia, Andrea

Ghiasi, Ali

Grimwood, Michael

Grow, Robert

Gundubogula, Sudhakar

Gustlin, Mark

Hajduczenia, Marek

Hamano, Hiroshi

Hammond, Bernie

HANNA, Charaf

Healey, Adam

Heath, Jeffrey

Hidaka, Yasuo

Hogenmueller, Thomas

Holden, Brian

Horner, Rita

Hou, Victor

IEEE 802.3 voters

July 2013 (page 3 of 6)

Huang, Liang-wei

Huang, Xi

Irwin, Scott

Isono, Hideki

Iwaoka, Mitsuru

Jain, Rajeev

Jewell, Jack

Jiang, Wenbin

Jimenez, Andrew

Jones, Chad

Kasturia, Sanjay

Kawatsu, Yasuaki

Keeley, James

Kelsen, Michael

Kim, Yong

Kimmitt, Myles

King, Jonathan

Kinnard, Brian

Kipp, Scott

Kliger, Avi

Ko, Dylan

Koenen, David

Kolesar, Paul

Kolze, Tom

Kono, Masashi

Kosanovich, Keith

Kramer, Glen

KUO, ALBERT

Kvist, Bengt

Lackner, Hans

Larsen, Wayne

Latchman, Ryan

Laubach, Mark

Law, David

Le Cheminant, Greg

Lewis, David

Li, Mike Peng

Lingle, Robert

Liu, Alexander

Liu, Zhenyu

Lusted, Kent

Lutz, Sharon

Maguire, Valerie

Maki, Jeffery J.

MALKIMAN, YONATAN

(134/245)

IEEE 802.3 voters

July 2013 (page 4 of 6)

Mallette, Edwin

Marris, Arthur

Martin, Arlon

Matheus, Kirsten

Matsuda, Shougo

Mcclay, Phil

McCormack, Michael S.

Mcdermott, Thomas

McDonough, John

McNarney, Martin

Meghelli, Mounir

Mei, Richard

Meier, Wolfgang

Mellitz, Richard

misek, brian

Montejo, Juan

Montreuil, Leo

Moore, Charles

Nakamoto, Edward

Nicholl, Gary

Nielsen, Allan

Nikolich, Paul

Nishihara, Susumu

Noll, Kevin

Nordin, Ronald

Nowell, Mark

Ofelt, David

Palkert, Tom

Pardo, Carlos

Parnaby, Gavin

Parthasarathy, Vasu

Patel, Pravin

Pepeljugoski, Petar

Pepper, Gerald

Perrie, Randy

Petrilla, John

Pietsch, Christian

Pimpinella, Rick

Powell, William

Prodan, Richard

Rabinovich, Rick

Rahman, Saifur

Rajkotia, Purva

RAN, ADEE

Remein, Duane

IEEE 802.3 voters

July 2013 (page 5 of 6)

Ressler, Michael

Rimboim, Poldi (Pavlick)

Salinger, Jorge

Salunke, Vineet

sambasivan, Sam

Sayre, Edward

Schmitt, Matthew

Searles, Shawn

Sela, Oren

Shanbhag, Megha

Shariff, Masood

Shellhammer, Stephen

Shen, Bazhong

Sheth, Siddharth

Shrikhande, Kapil

Slavick, Jeff

Solomon, Joe

Sommers, Scott

Sparrowhawk, Bryan

Sprague, Edward

St Peter, Matthew

Staniec, Thomas

Stassar, Peter

Stevens, Daniel

Sugawa, Jun

Sundaresan, Karthik

Suzuki, Ken-Ichi

Swanson, Steve

Szczepanek, Andre

TAJIMA, AKIO

Takahata, Kiyoto

Tanaka, Toshiki

Tawa, Katsuhisa

TAZEBAY, MEHMET

Teipen, Brian

Teixeira, Antonio L

Thompson, Geoffrey

Toyoda, Hidehiro

Tracy, Nathan

Tremblay, Francois

Trowbridge, Stephen

Ulm, John

Umnov, Alexander

Vaden, Sterling A.

Valle, Stefano

(224/245)

IEEE 802.3 voters

July 2013 (page 6 of 6)

Vanderlaan, Paul

Varanese, Nicola

VLASOV, YURII

Wagner, Robert

Wall, Bill

Wang, Xiaofeng

WANG, Zhong Feng

Warland, Tim

Warren, David

Winkel, Ludwig

Wong, Ching

Woodruff, Bill

wu, guangsheng

Wu, Peter

Xu, Yu

Zambell, Andrew

zang, meiyang

Zhang, James

Zhao, Wenyu

Zimmerman, George

Zivny, Pavel

IEEE 802.3 voter in peril

July 2013

If your name is on this list AND you wish to remain an 802.3 Voter you need to make sure that you register your attendance every day that you are in 802.3 and declare your affiliation. "Voter in Peril" means that the persons listed will not be voters after this session unless they meet the "full attendance" requirement. That is, 75% credited attendance at two of the last four plenary sessions, with a qualified interim TF session allowed to substitute for one of the plenary sessions

Abaye, Ali

Chang, Fuhlim

Dai, Eugene

Ganga, Ilango S.

Jain, Rajeev

Kimmitt, Myles

Latchman, Ryan

Le Cheminant, Greg

Mcclay, Phil

McCormack, Michael S.

Meghelli, Mounir

Sayre, Edward

Searles, Shawn

Shanbhag, Megha

Shariff, Masood

Teixeira, Antonio L

Umnov, Alexander

Zhang, James

IEEE 802.3 potential voters

July 2013 (page 1 of 3)

- | | |
|--------------------------|------------------------|
| 1 Anglade, Ony | 14 Frosch, Richard |
| 2 Arunarthi, Venkat | 15 (o) Gardner, Mike |
| 3 (o) Babenko, Oleksandr | 16 Goell, James |
| 4 Beia, Christian | 17 (o) Goswami, Sanjay |
| 5 Bernstein, Gary | 18 Hall, Eric |
| 6 Brown, David | 19 (o) Herman, Carl |
| 7 Brownlee, Phillip | 20 Joetten, Christoph |
| 8 Brun, Boris | 21 Kaku, Shinkyō |
| 9 Coenen, Robert | 22 Keasler, William |
| 10 Cooper, William | 23 Kish, Paul |
| 11 Crepin, J. | 24 Knittle, Curtis |
| 12 Dai, Y | 25 (o) Kumar, C |
| 13 fang, liming | 26 Langhammer, Martin |

(o) = Requested to become member at opening plenary

IEEE 802.3 potential voters

July 2013 (page 2 of 3)

27 Li, Shaohua	40 (o) Suermann, Thomas
28 Ma, Yiran	41 Swenson, Norman
29 (o) Mooney, Paul	42 Szeto, William
30 Moorwood, Andy	43 (o) TAKAHARA, TOMOO
31 Muth, Karlheinz	44 (o) Tanaka, Keiji
32 Nolan, John	45 Theodoras, James
33 O'Hara, Steven	46 Tremblay, David
34 (o) Ogura, Ichiro	47 Umeda, Daisuke
35 Peters, Michael	48 Valliappan, Magesh
36 Rahman, Syed	49 Vareljian, Albert
37 Shang, Song Quan	50 Vieira, Amarildo
38 Song, Xiaolu	51 Walker, Clinton
39 Sparacin, Daniel	52 (o) Wang, Robert

(o) = Requested to become member at opening plenary

IEEE 802.3 potential voters

July 2013 (page 3 of 3)

53 weirich, Andreas

54 Xu, Junyi

55 Yurko, Garold

56 Zeng, Li

(o) = Requested to become member at opening plenary

General WG business

Reflectors and WG 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 Executive Committee items

- PAR review
- New five criteria review
- IEEE 802 Executive Committee meeting
 - See next slide
- IEEE 802 Task Force agenda
 - See following slide

IEEE 802 Executive Committee items

IEEE 802 Executive Committee meeting

Sunday 7:00-9:30pm LMSC Rules Review (ITU Room L2)

Monday 11-noon ITU/802 Welcome meeting (CICG-2)

Monday 6:30-10:30 Tutorials

Tuesday 8-9am University Outreach Orientation (ITU Room L2)

Tuesday 10:30-12:00 Spectrum Sharing and White Space (CICG room 4)

Tuesday 10:30-12:00 802 Architecture (room: ITU Room L2)

Tuesday 1:30pm-3:30pm JTC1/SC6 ad hoc (cross 802 related topic, ITU Room L2)

Tuesday 5-6pm 802 Chair's "open office hours" – ITU Room L2

Tuesday 6-7pm Future Venue details – ITU Room L2

Wednesday 1:30pm-3:30pm JTC1/SC6 ad hoc (cross 802 related topic, ITU Room L2)

Thursday 10:30-12:30 802 Architecture (room: tbd)

Thursday 10-noon IEEE 802 Task Force (ITU Room L2)

Thursday 1:30pm-3:30pm JTC1/SC6 ad hoc (cross 802 related topics, room: ITU Room L2)

IEEE 802 Executive Committee items

IEEE 802 Task Force meeting

get IEEE 802 review revised agreement (McCabe)

Next generation publishing program status update (Penciak)

Addition to liaison categories to international SDOs (Haasz)

Telecoms Technology Association (S. Korea) request for input (Haasz)

Status update on SA Internet of Things initiative (Diab)

Any Other Business?

Action item review – Nikolich

Adjourn

External liaison letters

Continuing Agenda ...