

IEEE 802.3 Working Group Opening Plenary 14 July 2008

David Law
Chair, IEEE 802.3 Working Group
David.Law@3Com.com

Agenda, voter lists:
<http://www.ieee802.org/3/minutes/jul08/index.html>

Introductions

- **Officers**

- IEEE 802.3 Chair: David Law (David_Law@3Com.com)
- IEEE 802.3 Vice Chair: Wael Dial (wdiab@broadcom.com)
- IEEE 802.3 Exec. Secretary: Steve Carlson (scarlson@esta.org)
- IEEE 802.3 Secretary: Adam Healey (Adam.Healey@lsi.com)
- IEEE 802.3 Treasurer: Brad Booth (bbooth@ieee.org)
- IEEE P802.3ar Congestion Mgt: contact WG Chair
- IEEE P802.3at DTE Power via the MDI Enhancements: Mike McCormack (mike_mccormack@ti.com)
- IEEE P802.3av 10G EPON SG: Glen Kramer (glen.kramer@teknovus.com)
- IEEE P802.3az Energy Efficient Ethernet: Mike Bennett (mjbennett@lbl.gov)
- IEEE P802.3ba Higher Speed Ethernet: John D'Ambrosia (jdambrosia@force10networks.com)

Administrative agenda

- Introductions and General announcements
 - Committee decorum
 - Logistics
- Revise/Approve agenda
 - www.ieee802.org/3/minutes/jul08
- General WG Business
 - Approve November 2007 minutes
 - Activities since last plenary meeting
 - Attendance procedures
 - Membership lists
 - Patent policy / Call for Patents
 - Treasurer's Report

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

Agenda and minutes

- Approve agenda
- Approve Minutes
 - March minutes

Published Standards

- IEEE Std 802.3TM-2005 (12 Dec 2005)*
 - IEEE Std 802.3-2005/Cor 1-2006 (26 Jun 2006)*
 - IEEE Std 802.3anTM-2006 (1 Sep 2006)*
 - IEEE Std 802.3aqTM-2006 (16 Oct 2006)*
 - IEEE Std 802.3asTM-2006 (13 Nov 2006)*
 - IEEE Std 802.3apTM-2007 (22 May 2007)*
 - IEEE Std 802.3-2005/Cor 2-2007 (17 Aug 2007)*

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

Reflectors and WG information

- IEEE 802.3 Working Group (stds-802-3@ieee.org) is a monitored reflector for announcements of WG business
 - Not a general discussion reflector
 - Subscription limited to members and observers
 - Archive is password protected
- IEEE 802 plenary meeting announcements may be received by subscribing to: stds-802-all@ieee.org
- IEEE 802.3 interim meetings are announced on the 802.3 and relevant TF/SG reflector
- IEEE 802.3 TF/SG reflectors are the location for appropriate project related discussion
- Reflector subscription
 - Instructions are on the 802.3 and TF/SG web pages
- Web site
 - www.ieee802.org/3
 - Access information to private areas is announced by Vice Chair, TF/SG Chairs and in WG announcements

Interim meetings held since March

- Tokyo, Japan, 13-14 April 2008
 - IEEE P802.3av, 10G EPON
- Musselburgh, Scotland, 28 April 2008
 - IEEE 802.3 Maintenance
- Munich, Germany, 12-15 May 2008
 - IEEE P802.3at, DTE Power Enhancements
 - IEEE P802.3av, 10G EPON
 - IEEE P802.3az, Energy Efficient Ethernet
 - IEEE P802.3ba, Higher Speed Ethernet
 - IEEE 802.3 Maintenance
- Durham, NH, USA 24-27 June 2008
 - IEEE P802.3at, DTE Power Enhancements

IEEE 802.3 ballots since March

- Working Group Ballots:
 - IEEE P802.3at D3.0, Initial ballot
- Sponsor Ballots:
 - IEEE 802.3ay (P802.3), D2.2, 2nd recirculation ballot
 - IEEE 802.3ay (P802.3), D2.3, 3rd recirculation ballot

WG documents for July business

- IEEE P802.3av (10Gb/s EPON)
 - IEEE P802.3av/D1.8023 (WG preview)
- IEEE P802.3at (DTE Power Enhancements)
 - IEEE P802.3at/D3.0 (Initial Working group ballot) and ballot comments
- IEEE Std 802.3 Revision material
 - IEEE P802.3/D2.3 (IEEE 802.3ay) (3rd Sponsor recirculation), no ballot comments
- Posted maintenance request

Membership and Attendance

- 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 802.3 potential voter agenda item
 - Participate in 2 of last 3 WG ballots (retaining membership)
 - Maintain valid contact information (update in “red” book)
 - Consistent declaration of affiliation
- Attendance
 - Trial run of IMAT Attendance application this week
 - As a backup we will still circulate the attendance books
 - Declare affiliation
 - Sign in each day, only for that day, only for yourself, and not for any other Working Group (no parallel sign-ins)
 - Blue book – members and observers (i.e., all that signed in the 802.3 books during the last year)
 - Red Book – new attendees & update contact information

IMAT presentation

802.3 Members (voters) p.1

Abbas, Ghani

Abbott, John

Abbott, Justin

Akasaka, Youichi

Alping, Arne

Anslow, Pete

Baldwin, Thananya

Barkan, Ozdal

Barnette, Jim

Barrass, Hugh

* Barrick, Scott

Baumer, Howard

Beaudoin, Denis

Beia, Christian

Bello, Eran

Bennett, Mike

Booth, Brad

Braun, Ralf-Peter

Busse, Robert

* Cain, Jeff

Carlson, Steve

Carroll, J. Martin

Chadha, Mandeep

Chalupsky, David

Chang, Frank

Chou, Joseph

Chow, Jacky

Claseman, George

Cobb, Terry

Cole, Christopher R.

Cook, Charles I.

D'Ambrosia, John

Daido, Fumio

* Dallesasse, John

Darshan, Yair

Dawe, Piers

Delveaux, Bill

Di Minico, Chris

Diab, Wael

Dineen, Thomas

Dove, Dan

Dudek, Mike

* Duelk, Marcus

Dupuis, Joseph E.

Effenberger, Frank J

802.3 Members (voters) p.2

Ewen, John F.

Feldman, Daniel

Feng, Dongning

Fiere, Julien

Flatman, Alan

Folkens, Norbert

Frazier, Howard

Frosch, Richard

Ganga, Ilango S.

Ghiasi, Ali

* Goergen, Joel

Granger, Russ

Green, Larry

Grow, Robert M.

Gustlin, Mark

Gyugyi, Paul J.

Hajduczenia, Marek

Hamano, Hiroshi

Hankins, Greg

Hays, Robert

Healey, Adam

Helster, David

* Herve, Pierre

Hirano, Kengo

Hirth, Ryan

* Holden, Brian

Hopwood, Keith

Horner, Rita

Hotta, Yoshifumi

Huynh, Thong

Ikeda, Hiroki

* Ishibe, Kazuhiko

Ishida, Osamu

Isono, Hideki

Jaeger, John

Jetzt, John

Jewell, Jack L

Jiang, Wenbin

Jones, Chad

Joo, Bheom-Soon

* Katzenberg, Boris

Kim, Yong

Kimura, Mitsunobu

Kipp, Scott G.

Kobayashi, Shoukei

802.3 Members (voters) p.3

Koenen, David J.

Kolesar, Paul

Kozaki, Seiji

Kramer, Glen

Krishnamurthy, Subi

Lackner, Hans

Lamb, Lowell D.

Landry, D. Matthew

* Lapak, Jeff

* Lari, Ferdinando

Law, David

Lee, Dong-Soo

Lenkisch, Andreas

Leung, Raymond W. K.

Lin, Ru Jian

Lingle, Jr., Robert

Lynch, Jeffrey

Lynskey, Eric R.

Maggiolino, Joseph

Maguire, Valerie

Maki, Jeffery J.

Malpass, Trey

Mandin, Jeff

Marris, Arthur

Martin, Arlon

Mathey, Thomas

McCormack, Michael S

McDonough, John

McSorley, Greg

* Mei, Richard Y.

Mellitz, Richard

Miao, Tremont

Michaelis, Thomas

Millar, Jim

* Moorwood, Andy

Mori, Kazuyuki

* Mueller, Wayne A.

Muller, Shimon

Nicholl, Gary

* Nishimura, Shinji

Nomura, Takumi

* Nordin, Ron

Nouri, Ahmad

Nowell, Mark

* O'Hara, Steven

802.3 Members (voters) p.4

Obara, Satoshi	Posthuma, Carl R.	Seely, Ted
Oganessyan, Gourgen	Powell, Scott R.	Sefidvash, Khorvash
* Olsson, Bengt-Erik	Rabinovich, Rick	Sendelbach, Lee
Otaka, Akihiro	Remein, Duane	* Seno, Shoichiro
Oulundsen, III, George	Reshef, Tamir	Shigematsu, Masayuki
* Palkert, Tom	Rimboim, Poldi	Shorthill, Larry
Parruck, Bidyut	Ryan, Bill	Stanford, Clay
Patel, Shashi	Saeki, Naoto	Steenman, Henk
Patoka, Martin	Sambasivan, Sam	Suzuki, Ken-ichi
Peers, Neil	Sanitá, Gianluca	Suzuki, Naoki
Pepeljugoski, Petar	Sastry, Ramesh	Swanson, Steve
Pepper, Gerald	Savi, Olindo	Szczepanek, Andre
* Perkins, Drew D.	Schindler, Fred	Tajima, Akio
Petrilla, John	* Schoenmaker, Peter	Takahashi, Hidenori
Pimpinella, Rick	Schrans, Thomas	Takeda, Noriyuki

802.3 Members (voters) p.5

Takizawa, Motoyuki

Tanaka, Keiji

* Tatsuta, Tsutomu

Thiagarajan,

Thompson, Geoffrey

Tomaszewski, Peter

Toyoda, Hidehiro

Traverso, Matt

Trowbridge, Stephen J.

Tsuji, Shinji

Turner, Brad

Uematsu, Kiyoshi

Vaden, Sterling A.

* van Doorn, Schelto

Vareljian, Albert

Vetteth, Anoop

Vladan, Ionel Marius

Wang, Chenxi

Weil, Jason

Weitzner, Andrew

Wertz, Jason

White, Martin

Woodruff, Bill

Woodward, Ted K.

Yamashita, Hajime

Yang, Yinglin (Frank)

Yokomoto, Tetsuya

Yoon, Bin Yeong

Young, George

Zhong, Lizhi

* Zimmerman, George

***in peril of losing membership**

Potential Members (voters) p.1

Bandyopadhyay, Jaya

Belhadj, Med

Bossard, Martin

Bresser, Ad

Breuer, Dirk

Brown, Alan M.

Brown, Edward D. J.

Cady, Ed

Cheung, Taesik

Clairardin, Xavier

Coleman, Doug

Congdon, Herbert V.

Connaughton, Michael

Cullinan, Diarmuid

Dinh, Thuyen

Donnay, Beth

Ellett, James

Feng, Hao

Grimwood, Michael R.

Hammond, Bernie

Hayden, Kirk

Hazarika, Asif

Hiramoto, Kiyo

Hronik, Stanley

Jackson, Kenneth P

Jiang, Jessica Xin

Jørgensen, Thomas K.

Kawatsu, Yasuaki

Kojima, Keisuke

Kusano, Toshihiko

Latchman, Ryan

Li, David D

Lott, James A.

Lozano, Raul

Mashimo, Daisuke

Matsumoto, Kengo

McClay, Phil

McGrath, Jim

Mukojima, Toshiaki

Nabili, Babak (Bobby)

Nadeau, Gerard

Nagahori, Takeshi

Neer, Jay

Ofelt, David

Pathak, Vijay

Potential Members (voters) p.2

Piede, David

Pillai, Velu C.

Ring, William S.

Salisbury, Neil

Sedio, Stephen

Simsarian, Jesse

Southworth, Robert

Stook, Christopher

Storaasli, Olaf

Strong, Stephen

Tawa, Katsuhisa

Thornton, Bob

Träber, Mario

Tsai, James

Tsumura, Eddie

Van Deusen, Herb

Way, Winston

Wise, Jeffrey

- ◆ *Requested to become member (Monday)*
- *Requested to become member (Thursday)*

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 consistent with the ANSI patent policy and 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.



25 March 2008

(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:

- “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

Quoted text excerpted from IEEE-SA Standards Board Bylaws subclause 6.2

- 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/guides/bylaws/sect6-7.html#6>

IEEE-SA Standards Board Operations Manual

<http://standards.ieee.org/guides/opman/sect6.html#6.3>

Material about the patent policy is available at

<http://standards.ieee.org/board/pat/pat-material.html>

If you have questions, contact the IEEE-SA Standards Board Patent Committee Administrator at patcom@ieee.org or visit <http://standards.ieee.org/board/pat/index.html>

This slide set is available at <http://standards.ieee.org/board/pat/pat-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.

Treasurer's report

- Tax filing
 - L50-S generated and filed in March
 - Filing was accepted with no issues
 - L50-S filing will be simpler now w/ concentration banking
- Account status
 - Jan. 2008 balance: \$8707.78
 - Interest: \$61.59
 - May 2008 balance: \$8769.37

Standards Board highlights (p.1)

- March Standards board
 - NesCom recommendations approved
 - All LMSC PARs approved
 - RevCom recommendations approved
 - ProCom items
 - IEEE-SA database is the official repository
 - Public listing of SASB resolutions within 4 weeks of meeting
 - Tom Prevost elected Vice-chair
 - Report on Engineering in Medicine and Biology (EMB) in the healthcare/standardization
- June Standards board
 - NesCom recommendations approved
 - All LMSC PARs approved
 - RevCom recommendations approved
 - All LMSC submittals approved
 - ProCom items
 - External Representatives, Appeals Pool, Sponsor Withdrawals

Standards Board highlights (p.2)

- March ProCom meeting
 - Copyright policy - ongoing
 - External Representatives - ongoing
 - Reaffirmation Process - to SASB ballot
 - Number of items agenda not discussed at the meeting
- June ProCom meeting
 - Reaffirmations - SASB ballot failed
 - Copyright Ad Hoc Update - ongoing
 - Entity Study Group Guidelines - Ad Hoc formed
 - External Representatives - to SASB ballot
 - Appeals Pool - to SASB ballot
 - Sponsor Withdrawals - to SASB ballot
 - Clarifications Sought by RevCom
 - Joining but never balloting
 - Which P&P applies
 - Obligations and IEEE Code of Ethics (myProject) - ongoing

Standards Board highlights (p.3)

- March PatCom meeting
 - Approval of new PatCom slide set
 - Chairs please make sure you are using the latest
- June PatCom meeting
 - Update of FAQs for Study Groups
- June RevCom meeting
 - Ad Hoc formed on Sponsor Responsibility with Regard to Non-MBS Comments
 - Ad Hoc formed on scope of recirculations

LMSC EC Report (p.1)

- LMSC treasury
 - Operating reserve ~\$1M expected after this meeting
 - Evaluating registration fee again
 - Passed 2007 audit cleanly
- IEEE 802.20
 - First IEEE 802.20 standard approved at June Standards Board
 - IEEE 802.20 returned to normal individual voting
 - The IEEE 802 UCEC was dissolved
- IEEE 802.11 allegation of dominance
 - Allegation investigated
 - Working group handling appropriate
 - No evidence of dominance
 - Some recommending in respect to bad behaviour
 - Ad Hoc to consider these - meeting Tuesday 5-6PM
- IEEE 802.5 Standards recommended for withdrawal

LMSC EC Report (p.2)

- ISO JTC1 report
 - ISO/IEEE now have a Partner Standards Development Organisation agreement
 - We use to submit approved standards to ISO through nation body (UK) for fast track procedure
 - ISO/IEEE PSDO cooperation agreement supersedes all old agreements
 - IEEE now has ability to submit directly to ISO for fast track
 - IEEE Standards fully recognised by ISO and JTC1
 - IEEE Standards can be normatively referenced by ISO and JTC1
- LMSC P&P
 - Splitting current LMSC P&P into new LMSC P&P and LMSC Operations Manual based on AudCom review of current P&P
 - Out for LMSC ballot
 - Over 380 comments received – comment resolution taking place
 - IEEE-SA AudCom now working on baseline Working Group P&P

LMSC EC Report (p.3)

- NNA venues – possibilities for plenary meetings
 - Tutorial #2 this evening will be 15min presentations from each
 - [1] Venetian Macao, PRC
 - [2] Marina Bay Sands, Singapore
 - [3] ITU Headquarters, Geneva, Switzerland
 - [4] Tel Aviv, Israel
 - [5] University of Twente, Enschede, Netherlands
 - Survey will be conducted after the Tutorial
 - All active membership will be invited to participate in survey
- Tutorial schedule
 - Monday 6:30: Handover with Broadcast Technologies
 - Monday 8:00: Non-North American venues for IEEE 802 plenary
 - Tuesday 6:30: Wireless Neighborhood Area Networks (WNAN)
 - Tuesday 8:00: Wireless and Wired Network Requirements for Safety in Healthcare

LMSC EC Report (p.4)

- Meeting planner RFP process
 - MP-RFP evaluation committee has been formed
 - Make final recommendation this week
 - Report recommendation to EC
 - Award final contract based on EC approval
- Network services contract
 - Drafting of new contract
 - Considering asset transfer
 - Negotiate contract
 - Seek EC approval
 - Execute contract based on EC approval
 - Next RFP process due in 3 years

LMSC Chair's Meetings

Monday	3-4pm	NNA survey refinement (Rigsbee)
Monday	8-10pm	Reserved (Thompson – JTC1 SC6 US TAG)
Tuesday	9-noon	Reserved (Nikolich)
Tuesday	noon-1pm	Open
Tuesday	1-2pm	Open
Tuesday	3-5pm	Executive Session--meeting planner RFQ (Rigsbee)
Tuesday	5-6pm	Dealing with dominance Ad Hoc (Thaler)
Tuesday	8:30-10pm	
Wednesday	9-noon	Executive Session--Network Services Contract (Rigsbee)
Wednesday	noon-1pm	Non-North American venue discussion (Rigsbee)
Wednesday	1-3pm	802 Task Force (Nikolich)
Wednesday	3-5pm	Executive Session--meeting planner RFQ - tentative (Rigsbee)
Thursday	10-11am	Open
Thursday	11am-1pm	Open
Thursday	1-2pm	Open
Thursday	5-7pm	Open

Project Authorization Requests

- IEEE P802.20a: Management Information Base (MIB) Enhancements and MIB Corrigenda Items.
- IEEE P802.21a: Security Extensions to Media Independent Handover Services and Protocol.
- IEEE P802.11 Amendment: Enhancements for Very High Throughput for operation in bands below 6GHz.
- IEEE P802.11 - Amendment: Enhancements for Very High Throughput in the 60 GHz Band.

Continuing Agenda

- Liaison Reports
- IEEE 802.3 State of the Standard (Mr. Diab)
- Task Force & Study Group Reports
 - Maintenance (Mr. Diab)
 - IEEE P802.1AX (IEEE P802.3ax)
 - IEEE P802.3 (IEEE P802.3ay)
 - IEEE P802.3at (Mr. McCormack)
 - IEEE P802.3av (Mr. Kramer)
 - IEEE P802.3az (Mr. Bennett)
 - IEEE P802.3ba (Mr. D'Ambrosia)