
IEEE 802.3 Working Group Opening Plenary 12 March 2007

Robert M. Grow
Chair, IEEE 802.3 Working Group
bob.grow@ieee.org

Administrative agenda

- Introductions and General announcements
 - Committee decorum
 - Logistics
- Revise/Approve agenda
- General WG Business
 - Approve November 2006 minutes
 - Attendance procedures
 - Membership lists
 - Activities since last plenary meeting
 - Patent policy / Call for Patents

Introductions

- **Officers**

- 802.3 Chair: Bob Grow (bob.grow@ieee.org)
- 802.3 Vice Chair: David Law (david_law@3com.com)
- 802.3 Exec. Secretary: Steve Carlson (scarlson@esta.org)
- 802.3 Secretary: Wael Diab (wdiab@broadcom.com)
- 802.3 Treasurer: Brad Booth (bbooth@ieee.org)
- P802.3ap Backplane Ethernet: Adam Healey (ahealey@agere.com)
- P802.3ar Congestion Mgt: contact WG Chair
- P802.3at DTE Power via the MDI Enhancements: Mike McCormack (mike_mccormack@ti.com)
- P802.3av 10G EPON SG: Glen Kramer (glen.kramer@teknovus.com)
- Higher Speed Study Group: John D'Ambrosia (jdambrosia@force10networks.com)
- Energy Efficient Ethernet Study Group: Mike Bennett (mjbennett@lbl.gov)

WG Decorum



- Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (2007 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

Published Standards

- IEEE Std 802.3TM-2005 (12 Dec 2005)*
 - IEEE Std 802.3-2005/Cor 1-2006 (26 Jun 2006)*
 - IEEE Std 802.3an-2006 (1 Sep 2006)*
 - IEEE Std 802.3aq-2006 (16 Oct 2006)
 - IEEE Std 802.3as-2006 (13 Nov 2006)

- IEEE Std 1802.3Rev-2001*

* 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
- IEEE 802 plenary meeting announcements (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 on the 802.3 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

WG documents for Nov business

- P802.3ar/D1.3 (Congestion Management)
 - Current and modified PAR, Five Criteria and Objectives
- P802.3at (DTE Power Enhancements)
 - P802.3at/D0.1 (editors draft)
- P802.3av (10G EPON)
 - No draft
- Revision material
 - P802.3REV/D0.9 initial merge of amendments and other changes
 - P802.1AX/D0.9 initial draft of extracted Link Aggregation
 - Maintenance requests ready for ballot
- Posted maintenance, interpretation and rules requests
- 802.3 minutes
 - Approval of November minutes
- 802.3 Treasurer's report

Attendance

- Membership requirements (gaining and retaining)
 - 75% attendance at 2 of last 4 plenary meetings (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
 - Maintain valid contact information (update in “red” book)
 - Consistent declaration of affiliation
 - 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 during last year)
 - Red Book – new attendees & update contact information
-
-

802.3 Members (voters) p.1

*Abaye, Ali

Abbott, John

Abler, Joe

Ahmed, Taufique

Alping, Arne

Altman, Michael

*Anderson, Stephen D.

Babanezhad, Joseph N

Barnette, Jim

Barrass, Hugh

Barrick, Scott

Baumer, Howard

Beaudoin, Denis

Beck, Michaël

Beia, Christian

Bennett, Mike

*Bhoja, Sudeep

Booth, Brad

Braun, Ralf-Peter

Brearley, Dave

*Brown, Kevin

Brown, Matt

Brownlee, Phillip

*Brunn, Brian

Brunner, Robert

Busse, Robert

Cain, Jeff

Carlson, Steve

Chalupsky, David

Chang, Frank

Chang, Luke

*Chin, David

*Chopra, Rahul

Claseman, George

Cobb, Terry

*Cohen, Larry

Collum, James

*Crepin, J. Francois

Cunningham, David

D'Ambrosia, John

Daido, Fumio

*Daines, Kevin

Dallesasse, John

*Dalmia, Kamal

Darshan, Yair

802.3 Members (voters) p.2

Dawe, Piers	Feldman, Daniel	Hurwitz, Walter K.
Delveaux, Bill	Flatman, Alan	Jaeger, John
DeNicholas, Joe	Frazier, Howard	Jetzt, John
DeSanti, Claudio	Frosch, Richard	Jiang, Wenbin
Dhamejani, Suveer	Ganga, Ilango S.	Jimenez, Andrew C.
Di Minico, Chris	Ghiasi, Ali	Jones, Chad
Diab, Wael	Ghoshal, Sajol	*Jones, William W.
Dineen, Thomas	*Goergen, Joel	Jørgensen, Thomas K.
Dinh, Thuyen	Grow, Robert M.	*Jover, Juan
Dove, Dan	Gyurek, Russ	Kaku, Shinkyō
Dudek, Mike	Hajduczenia, Marek	*Kasturia, Sanjay
Duelk, Marcus	*Hammond, Bernie	Katzenberg, Boris
Dupuis, Joseph E.	*Hatab, Ziad	*Kawashimo, Tatsuya
*Eisler, George	Healey, Adam	*Kim, Yong
*Ewen, John F.	Hopwood, Keith	Kimura, Mitsunobu

802.3 Members (voters) p.3

*Kish, Paul

*Ko, Mike

Koeman, Henriecus

Koenen, David J.

Kolesar, Paul

Koonce, Derek

Kramer, Glen

Krellner, Jan

*Lackner, Hans

Landry, D. Matthew

Langston, Daun

Lapak, Jeff

Lari, Ferdinando

Law, David

Lee, Dong-Soo

Lertniphonphun,

Worayot

*Lindsay, Tom

Lingle, Jr., Robert

Lynch, Jeffrey

Lynskey, Eric R.

Mandin, Jeff

Marris, Arthur

Mathey, Thomas

*McClellan, Brett

*McConnell, Mike

McCormack, Michael S

*McVey, James D.

Mei, Richard Y.

Mellitz, Richard

*Michaud, Sean

*Mick, Colin

Moore, Charles

Mueller, Wayne A.

*Mukhopadhyay, Suvhasis
(Asis)

Mukojima, Toshiaki

Muller, Shimon

Nishimura, Shinji

Nordin, Ron

Noseworthy, Bob

Obara, Satoshi

Oganessyan, Gourgen

Otaka, Akihiro

Oulundsen, III, George

802.3 Members (voters) p.4

Palkert, Tom	Remein, Duane	*Sparrowhawk, Bryan
Parsons, Glenn	Robbins, Steve	Stanford, Clay
Patoka, Martin	Rybinski, Valerie	Swanson, Steve
Peker, Arkadiy	Saeki, Naoto	*Swenson, Norman
Pepeljugoski, Petar	Sastry, Ramesh	Szczepanek, Andre
Picard, John	Savi, Olindo	Takahashi, Akira
Plunkett, Timothy R.	Sawyer, T. Shannon	Takizawa, Motoyuki
Popescu, Petre	Schindler, Fred	Tanaka, Keiji
*Powell, Scott R.	*Schube, Scott	Tatsuta, Tsutomu
Rabinovich, Rick	*Schwarzenberg, David	Telang, Vivek
Radhakrishnan, Prakash	Sendelbach, Lee	*Tellado, Jose
*Rao, Sailesh K.	Seno, Shoichiro	*Thaler, Pat
*Rautenberg, Peter	Shorthill, Larry	Thompson, Geoffrey
*Reintjes, Maurice	Smith, Andrew	*Thon, Lars E.
	Spagna, Fulvio	Tomaszewski, Peter

802.3 Members (voters) p.5

Toyoda, Hidehiro

Trowbridge, Stephen J.

*Twu, Bor-long

*Ungerboeck, Gottfried

Vaden, Sterling A.

Valliappan, Magesh

van Doorn, Schelto

Vetteth, Anoop

Wang, Chenxi

*Weiner, Nick

*Woodruff, Bill

Yamashita, Hajime

Yang, Yinglin (Frank)

Yoon, Bin Yeong

Zimmerman, George

***in peril of losing membership**

Potential Members (voters) p.1

Abraham, Menachem

•Akasaka, Youichi

◆Anslow, Pete

Belopolsky, Yakov

•Carroll, J. Martin

◆Chadha, Mandeep

Chen, James

Conroy, Keith

Deutsch, Meir

Dwelle, David

◆Effenberger, Frank J

◆Fischer, Thomas

Fischer, David

Green, Larry

Gyugyi, Paul J.

Hankins, Greg

Hirth, Ryan

◆Holden, Brian

Hsu, Dar-Zu

Huang, Ching-Chao

Hughes, Mike

Huynh, Thong

Kang, Tae Kyu

Krishnamurthy, Subi

Langner, Paul

Merel, Roger

◆Miao, Tremont

◆Moorwood, Andy

Morita, Itsuro

Murata, Hiroshi

•Nicholl, Gary

•Nowell, Mark

◆O'Hara, Steven

Ogushi, Sadaichiro

•Olsson, Bengt-Erik

◆Parker, Tim

◆Posthuma, Carl R.

Savara, Raj

•Schoenmaker, Peter

Schrans, Thomas

Seto, Koichiro

Shariff, Masood

•Shigematsu, Masayuki

Smith, Martin

•Suzuki, Ken-ichi

Potential Members (voters) p.2

Takahashi, Seigo

◆Takeda, Noriyuki

Thomas, Stephen

Tolley, Bruce

●Tsuji, Shinji

Tsukahara, Tomo
(Tom)

●Turner, Brad

●Uematsu, Kiyoshi

Umnov, Alexander

Wada, Hirotaka

Wallace, Dean

Zivny, Pavel

◆*Requested to become
member (Monday)*

●*Requested to become
member (Thursday)*

Interim TF & SG meetings held

- Monterey, CA, USA 13-17 Sep 2006
 - P802.3ap, Backplane Ethernet
 - P802.3at, DTE Power Enhancements
 - P802.3av, 10G EPON
 - Higher Speed SG
 - Energy Efficient Ethernet SG
 - Maintenance, interpretations

802.3 ballots since November

- Working Group Ballots:
 - Interpretation 1-07/06, D1.2, recirculation
 - Interpretation 1-07/06, D1.3, recirculation
- Sponsor Ballots:
 - P802.3ap/D3.2, recirculation
 - P802.3ap/D3.3, recirculation
 - 1802.1 reaffirmation, recirculation

IEEE-SA Standards Board Bylaws on Patents in Standards

6. Patents

IEEE standards may include the known use of essential patents and patent applications provided the IEEE receives assurance from the patent holder or applicant with respect to patents whose infringement is, or in the case of patent applications, potential future infringement the applicant asserts will be, unavoidable in a compliant implementation of either mandatory or optional portions of the standard [essential patents]. This assurance shall be provided without coercion. The patent holder or applicant should provide this assurance as soon as reasonably feasible in the standards development process. This assurance shall be provided no later than the approval of the standard (or reaffirmation when a patent or patent application becomes known after initial approval of the standard). This assurance shall be either:

- a) A general disclaimer to the effect that the patentee will not enforce any of its present or future patent(s) whose use would be required to implement either mandatory or optional portions of the proposed IEEE standard against any person or entity complying with the standard; or
- b) A statement that a license for such implementation will be made available without compensation or under reasonable rates, with reasonable terms and conditions that are demonstrably free of any unfair discrimination.

This assurance is irrevocable once submitted and accepted and shall apply, at a minimum, from the date of the standard's approval to the date of the standard's withdrawal.

Inappropriate Topics for IEEE WG Meetings

- Don't discuss the validity/essentiality of patents/patent claims
- Don't discuss the cost of specific patent use
- Don't discuss licensing terms or conditions
- Don't discuss product pricing, territorial restrictions, or market share
- Don't discuss ongoing litigation or threatened litigation
- Don't be silent if inappropriate topics are discussed... do formally object.

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>



The WG is advised

- 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 disclosure of patents which may be essential for the use of standards under development is encouraged;
- Disclosures made of such patents may not be exhaustive of all patents that may be essential for the use of standards under development, and that neither the IEEE, the WG, nor the WG Chairman ensure the accuracy or completeness of any disclosure or whether any disclosure is of a patent that, in fact, may be essential for the use of standards under development.
- Patent policy changes become effective 30 April

December Standards Board (p. 1)

- Standards board
 - All LMSC RevCom and NesCom projects approved
 - New patent policy to become effective 30 April 2007
 - Oversight of 802.20 continued and PAR extended
 - Executive sessions (P1394c, P802.20)
 - Electronic voting rules for development groups still in discussion
 - Scope and purpose of PAR and document alignment ongoing
 - CAG to be focusing on international strategy
- ProCom recommendations
 - PAR scope and purpose consistency with draft – approved
 - Ethics changes – approved
 - Affiliation in Sponsor ballot changes – approved
 - Approved P&P or visible development requirement – approved

December Standards Board (p. 2)

- ProCom discussion items
 - Antitrust language and education
 - Affiliation declaration implementation
 - Use of “WG” in rules and rosters, improve language in documents
 - Refinement of appeals process (multiple appeals, appeal of appeal decision)
- NesCom discussion items
 - Revision of PAR forms, instructions and conventions for 2007
 - Health and safety items of PAR form discussion continues
- RevCom discussion items
 - Reaffirmation process ballot flow
- PatCom
 - Refinements to governing documents consistent with BOG changes
 - Outline for tutorial information on the new policy
 - Tutorial
 - FAQ
 - Patent slides

LMSC EC Report p.1

- Get IEEE 802 program financial viability remains an issue
- The CAG is working on developing an IEEE conformance program
- The IMAT attendance software is going ahead for implementation this year
- Training software is not being extensively used
- Anonymous letter investigation concluded
 - All allegations were without merit
 - Some best practice improvements will be applied across IEEE-SA

LMSC EC Report p.2

- LMSC Treasurer will request transfer of accounts to concentration banking
 - JTC1/SC6
 - Jesse Walker will be representing IEEE 802
 - Geoff Thompson continues to provide representation into US TAG
 - Mike Kipness will be taking over leadership of US TAG
 - Support of IEEE 802 interests in other national bodies is encouraged
 - ITU WP8F evaluation groups are meeting with 802.16 this week (IMT advanced)
-
-

LMSC EC Report p.3

- The LMSC P&P is in an awkward state as it has not been approved by AudCom
 - We were judged against a moving target
 - IEEE-SA should be addressing this next week
 - LMSC P&P haven't changed for a year
 - Proposal (Grow) for change on Sponsor ballot duration (make the same as WG ballot)
- IMT Advanced is a work item this week, though perceived to be wireless, there are Ethernet impacts (core infrastructure and IP telephony)

LMSC EC Report p.4

- P1900 overview given
 - Has approved standards
 - Working on coexistence
 - Working in the same area as 802.21
 - Want an SCC on dynamic spectrum access
- Mar 2008 New Orleans plenary site issues
 - Hyatt will not be ready for us
 - San Francisco, Chicago, Orlando, DFW
 - Week may need to change
- No 802 interim planned for Jan 2008

LMSC EC Report p.5

- Tutorials
 - Mon. 6:30 – What you need to know about the new IEE patent policy
 - Mon. 8:00 – Video over 802.11
 - Tue. 6:30 – Emergency services for IEEE 802
 - Tue. 8:00 – Open office (LMSC and IEEE-SA leaders)
 - Tue. 8:00 – 802.18 IMT Advanced working session

LMSC Chair's Meetings

- Tues 8-9pm Open office
- Tues 8-10pm IMT Advanced
- Wed 9-10am Get IEEE 802 budget review (Hawkins)
- Wed 9-10pm ISO/IEC SC 6 input
- Wed 10-11 Get IEEE802 budget review
- Wed 11-noon IEEE AudCom-802 response
- Wed 1-3 802 Task Force (Nikolich)
- Wed 3-4pm Attendance SW (Rigsbee)
- Wed 4:30-5pm Improving Training (Thaler)

Project Authorization Requests

- P802.1AX Link Aggregation
- P802.3REV Revision of IEEE Std 802.3

Continuing Agenda

- Liaison Reports
- 802.3 State of the Standard (Mr. Law)
- 802.3 Operating Rules (Mr. Law)
- Task Force & Study Group Reports
 - Interpretations (Mr. Law)
 - Maintenance (Mr. Law)
 - 802.3ar (Mr. Grow)
 - 802.3at (Mr. McCormack)
 - 802.3av (Mr. Krammer)
 - Higher Speed SG (Mr. D'Ambrosia)
 - Energy Efficient Ethernet SG (Mr. Bennett)