
IEEE 802.3 Working Group Opening Plenary 18 July 2005

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

Introductions & Agenda

- 802.3 Web Site – www.ieee802.org/3
- 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@cisco.com)
 - P802.3REVam: David Law (david_law@3com.com)
 - P802.3an 10GBASE-T: Brad Booth (bradley.booth@intel.com)
 - P802.3ap Backplane Ethernet: Adam Healey (ahealey@agere.com)
 - P802.3aq 10GMMF: David Cunningham (david_cunningham@agilent.com)
 - P802.3ar Congestion Mgt: Kevin Daines (kevin.daines@wvp.com)
 - P802.3as Frame Expansion SG: Kevin Daines (kevin.daines@wvp.com)
 - Residential Ethernet SG: Michael D. Johas Teener (mikejt@broadcom.com)
 - PoE Plus SG: Mike McCormack (mike_mccormack@ti.com)
- Attendee introductions
- Approve agenda

Published Standards

- IEEE Std 802.3-2002 (8 Mar 2002)*
- IEEE Std 802.3ae-2002 (30 Aug 2002)*
- IEEE Std 802.3af-2003 (18 Jun 2003)*
- IEEE Std 802.3aj-2003 (26 Sep 2003)*
- IEEE Std 802.3ak-2004 (1 Mar 2004)*
- IEEE Std 802.3ah-2004 (7 Sep 2004)*

- 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@listserv.ieee.org) is for announcements of WG business
 - Not a general discussion reflector
 - Subscription limited to members and observers
- IEEE 802 plenary meeting announcements (stds-802-all@listserv.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
 - <http://listserv.ieee.org>
- Web site
 - www.ieee802.org/3
 - Access information to private areas is announced by Vice Chair, TF/SG Chairs and in WG announcements

WG Decorum



Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (2005 Op Manual 5.3.19)

Photography or recording by permission only (5.3.18)

Cell phone ringers off

WG documents for July business

- P802.3an/D2.1 (10GBASE-T)
 - 1st recirculation WG ballot comments
- P802.3aq/D2.1 (10GBASE-LRM)
 - 1st recirculation WG ballot comments
- P802.3ap/D1.0 (Backplane Ethernet)
- P802.3as/D1.1 (Frame Format Extensions)
- P802.3at (DTE Power via the MDI Enhancements)
PAR & Five Criteria
- Posted new interpretations, maintenance requests,
and rules changes
- 802.3 minutes
 - Approval of March minutes

802.3 Finances

- Treasury now fully operational
 - All required signatories added
 - May interim co-hosted through treasury
- May Austin meeting
 - Hotel expenses paid
 - Meeting hasn't been closed (meeting planner still has much of the registration fee)
 - Current balance \$124.50

Attendance

- Membership requirements (acquiring or retaining 802.3 voter status)
 - 75% attendance at 2 of last 4 plenary meetings (an interim may be substituted for one plenary)
 - Request to become member during 802.3 potential voter agenda item
 - Maintain valid contact information (stds-802-3 reflector)
 - Participate in 2 of last 3 WG ballots
 - Attendance books
 - Sign in each day, only for that day, only for yourself, and not for any other Working Group (no parallel sign-ins)
 - Two books
 - Members and observers (i.e., signed in during last year)
 - New attendees & update contact information
 - Review membership lists – potential voters
-
-

LMSC Membership retention rule

7.2.3.3 *Loss*

Membership may be lost if two of the last three Working Group letter ballots are not returned, or are returned with an abstention other than "lack of technical expertise." This rule may be excused by the Working Group Chair if the individual is otherwise an active participant. Membership may be re-established as if the person were a new candidate member.

802.3 Membership retention rules

2.6 Membership

The rules and procedures governing WG membership including establishment, retention, loss and rights are contained in the Operating rules of IEEE Project 802 (See ref [1], 5.1.3).

The following addition requirement are imposed within WG 802.3:

[snip]

c) To establish and retain voting rights participants must record and maintain complete contact information in the 802.3 database.

No credited vote in last two WG ballots

Abler, Joe	Gyurek, Russ	Naidu, Hari
Altman, Michael	Hammond, Bernie	Nordin, Ron
Amer, Khaled	Heckroth, Jim	Oberstar, John
Amin, Nitish	Hegde, Gopal	Oltmanns, Mike
Armijo, Bert	Hudson, Chuck	Palkert, Tom
Barazande-Pour, Majid	Koziuk, Glen	Pivonka, Ed
Braga, Al	Kundu, Aniruddha	Rodensky, Michael
Brown, Benjamin	Langston, Daun	Seemann, Brian
Brunn, Brian	Lawton, Michael	Spagna, Fulvio
Cates, Ron	LIM, Seyoun	Sparrowhawk, Bryan
Chen, Xiaopeng	Liu, Cathy	Srodzinski, David
Cho, Jae hun	Lynch, Jeffrey	Twu, Bor-long
Eiliya, Herman	MacLeod, Brian	Vanderlaan, Paul Z.
Ensign, Brian S.	Martin, David W.	Warren, Jeff
Frazier, Howard	McCallum, David S.	Yoon, Chong Ho
Gerhardt, Floyd	Mueller, Wayne A.	

Bad email addresses p.1

Aichele, David	Cavendish, Dirceu	Kadowaki, Makoto
Alexander, Jan	Chen, Hong	Khoury, John
Amin, Nitish	Chen, Xiaopeng	Kim, Ajung
Anderson, Doug	Chilukoor, Muralidharan	Kondapalli, Raghu
Balemorthy, Kasyapa	Dinh, Thuyen	Korn, Thomas
Barazande-Pour, Majid	Furlong, Michael	Kottapalli, Sreenivas
Begur, Sridhar	Golden, Glenn	Koyama, Tetsu
Belhadj, Med	Hagopian, Vahe	Koziuk, Glen
Blachman, Steven	Hathauil, Michael	Ku, Edward H
Brant, Paul	Hauenschild, Juergen	Kubes, Steven R.
Braun, Dori	Hoppin, Bill	Kusyk, Richard
Cai, Xingjian	Inerfield, Michael	Lee, Myung J.
Camagna, John	Jewell, Jack L	Li, Defeng
Castagnozzi, Daniel	Jiang, Wenbin	Lin, Houwei
Cates, Ron	Johansen, Henrik	Lin, Xinsi

Bad email addresses p.2

McCallum, David S.

McCarthy, Frank

Mesri, Ali

Monson, John

Moubarak, Roland

Mower, Frank

Naamami, Udi

Novak, Steve

Oren, Amit

Osawa, Takeo

Pagnanelli, Chris

Parlor, Bryan

Paulson, Duane

Pimpinella, Rick

Ramamurthy, Krishnan

Rao, Umesh

Rodensky, Michael

Roth, Zeev

Sakakibara, Hiroshi

Sampson, Rod

Schrans, Thomas

Srivastava, Apoorv

Taich, Dimitry

Taylor, Brian

Tazebay, Mehmet

Valliappan, Magesh

Verbestel, Willy

Wadayama, Tadashi

Weber, Karl

White, Ian

Yoon, Chong Ho

Zaidan, Mahdi

Zhou, Haijun Michael

802.3 Members (voters) p.1

Abaye, Ali	Babla, Chet	Braun, Ralf-Peter
Abbott, John	Barazande-Pour, Majid	Brink, Robert D.
Abler, Joe	Barrass, Hugh	Brown, Benjamin
*AbuGhazaleh, Shadi	Baumer, Howard	Brown, Kevin
Adriaennsens, Luc	Beaudoin, Denis	Brunn, Brian
Agarwal, Puneet	Beck, Michaël	Busse, Robert
Alexander, Jan	Beliaev, Alexei	Cain, Jeff
Alping, Arne	Bennett, Mike	Carlson, Steve
Altman, Michael	Bhoja, Sudeep	*Cates, Ron
*Amer, Khaled	*Bohbot, Michel	Chang, Luke
Amin, Nitish	Booth, Brad	*Chen, Xiaopeng
Anderson, Stephen D.	*Boucino, Thomas J.	Cheong, Kok-Wui
*Armijo, Bert	Bradshaw, Peter	Cho, Jae hun
Aronson, Lewis	*Braga, Al	*Chopra, Rahul
Babanezhad, Joseph N	Brand, Richard	Claseman, George

802.3 Members (voters) p.2

Cobb, Terry

Cohen, Larry

Cornejo, Edward

Cravens, George

Cunningham, David

Dabiri, Dariush

Daines, Kevin

Dallesasse, John

D'Ambrosia, John

Darshan, Yair

Dawe, Piers

Di Minico, Chris

Diab, Wael

Dineen, Thomas

Dinh, Thuyen

Dove, Dan

Dupuis, Joseph E.

Eiliya, Herman

Eisler, George

Ensign, Brian S.

Ewen, John F.

Fallahi, Siavash

Feldman, Daniel

Flatman, Alan

*Frazier, Howard

*Fujimoto, Yukihiro

Gaither, Justin

Ganga, Ilango S.

George, John

Gerhardt, Floyd

Ghiasi, Ali

Goergen, Joel

Graham, Rich

Grow, Robert M.

Gupta, Sandeep

*Gyurek, Russ

Hammond, Bernie

*Haran, Onn

Hazarika, Asif

Healey, Adam

*Heckroth, Jim

*Hegde, Gopal

*Higuchi, Tetsuya

Hill, Tricia

Hindi, Sammy

802.3 Members (voters) p.3

Hudson, Chuck

Hurwitz, Walter K.

Jaeger, John

Jimenez, Andrew C.

Jolly, Cristopher

Jones, William W.

Joo, Seong-Soon

Jørgensen, Thomas K.

Jover, Juan

*Kasai, Yuji

Kasturia, Sanjay

Kim, Yong

King, Jonathan

Kish, Paul

Koenen, David J.

Kolesar, Paul

Koyama, Tetsu

Koziuk, Glen

*Kramer, Glen

Krishnamurthy, Subi

Kundu, Aniruddha

Lackner, Hans

*Langston, Daun

Law, David

Lawton, Michael

Lerer, Michael

LIM, Seyoun

Lindsay, Tom

*Liu, Cathy

Lobel, Martin

Lou, Dennis

Lynch, Jeffrey

Lynskey, Eric R.

*MacLeod, Brian

Marris, Arthur

Martin, David W.

Mathey, Thomas

McCallum, David S.

McClellan, Brett

McConnell, Mike

McCormack, Michael S

Mei, Richard Y.

Mellitz, Richard

Miao, Tremont

Moore, Charles

802.3 Members (voters) p.4

Mueller, Wayne A.

Muller, Shimon

Muth, Jim

Naidu, Hari

Nishimura, Shinji

*Nordin, Ron

Noseworthy, Bob

Obara, Satoshi

Oberstar, John

Oltmanns, Mike

Palkert, Tom

Parsons, Glenn

Patoka, Martin

Peeters Weem, Jan P.

Pepeljugin, Petar

Peters, William R.

Phanse, Abhijit

Pimpinella, Rick

*Pivonka, Ed

Plunkett, Timothy R.

Popescu, Petre

Powell, Scott R.

Rabinovich, Rick

Rao, Sailesh K.

*Rodensky, Michael

Rommel, Albrecht

Rybinski, Valerie

Savi, Olindo

Sawyer, T. Shannon

Seemann, Brian

Seki, Katsutoshi

Sendelbach, Lee

Shanbhag, Abhijit

*Simon, Scott

Smith, Grant

Spagna, Fulvio

Sparrowhawk, Bryan

Squire, Matthew B.

Srodzinski, David

Swanson, Steve

Swenson, Norman

Szczepanek, Andre

*Takahashi, Eiichi

Telang, Vivek

Tellado, Jose

802.3 Members (voters) p.5

Thaler, Pat

Thompson, Geoffrey

Thon, Lars E.

Tomaszewski, Peter

Toyoda, Hidehiro

Traverso, Matt

Twu, Bor-long

Vaden, Sterling A.

Valliappan, Magesh

Van Bavel, Nicholas

van Doorn, Schelto

*Vanderlaan, Paul Z.

VanSchyndel, Andre

Vareljian, Albert

Von Herzen, Brian

Wadekar, Manoj

*Warren, Jeff

Weiner, Nick

Witt, Kevin

Woodruff, Bill

Yagil, Ariel

Yoon, Chong Ho

*Yu, Hong

Zimmerman, George

Zivny, Pavel

Zona, Bob

***in peril of losing membership**

Potential Members (voters) p.1

~~Aichele, David~~

Bachar, Yuval

Belogolovy, Andrey

◆ Bergmann, Ernest E.

◆ Bhugra, Harmeet

Blauvelt, Hank

Boyd, Graeme

~~Braun, Dori~~

◆ Brunner, Robert

Bublil, Memorach

~~Cai, Xingjian~~

Chan, Kevin T.

Crowley, Mike

● Dring, John

◆ Dudek, Mike

Elzur, Uri

● Gao, Xiao Ming

◆ Garner, Geoffrey M

George, Matthew

◆ Golden, Glenn

Gray, C. Thomas

◆ Gupta, Tanmay

Halder, Bijit

Hallemeier, Pete

Handa, Shinya

Hendrick, Matt

Hojabri, Pirooz

Iijima, Yosuke

Inano, Shigeru

◆ James, David V.

Johansen, Henrik

◆ Jones, Chad

Kaku, Shinkyō

Koeman, Henricus

Kosukegawa, Tsutomu

Kothary, Piyush

~~Kusyk, Richard~~

◆ Kwentus, Alan

● Lapak, Jeff

Larsen, Wayne

Latchman, Ryan

LeCheminant, Greg

Lee, Chien-Hsin

Lin, Yu-Min

Magram, Luis

Potential Members (voters) p.2

Matsumoto, Tomoyuki

McAlpine, Gary

•McCarthy, Frank

◆Mezer, Amir

Mitchell, John W.

Molina, Albert

~~Monson, John~~

Morris, James E

~~Moubarak, Roland~~

Osawa, Takeo

•Panos, Bill

Parameswaran, Gopa

~~Parlor, Bryan~~

◆Piede, David

•Qian, Haoli

Quinn, Liam

◆Rausch, Dan

Reed, Robert

•Reviriego, Pedro

RieB, Mathias

Ring, William S.

◆Ryu, Hyunsurk (Eric)

~~Sakakibara, Hiroshi~~

Schube, Scott

Scull, Harvey R.

Sheffield, Jimmy

Sigmon, Ned

•Stanford, Clay

Sun, Yi

Sun, Yu

Takatori, Hiroshi

Tanaka, Keiji

~~Tazebay, Mehmet~~

Thompson, Joey

Ungerboeck, Gottfried

Vogel, David

Wang, Hui

Yang, Yaochao

◆ *Requested to become member (Monday)*

• *Requested to become member (Thursday)*

Interim TF & SG meetings held

- Austin, TX, USA, 16-20 May 2005
 - P802.3REVam, revision of IEEE Std 802.3
 - P802.3an, 10GBASE-T
 - P802.3ap, Backplane Ethernet
 - P802.3aq, 10GBASE-LRM
 - P802.3ar Congestion Management
 - P802.3as Frame Expansion
 - Residential Ethernet SG
 - Power over Ethernet Plus SG
- London, England, UK 14-16 Jun 2005
 - P802.3aq, 10GBASE-LRM
- Minneapolis, MN, USA 21-23 Jun 2005
 - P802.3ap, Backplane Ethernet

802.3 ballots since March

- Sponsor Ballots:
 - P802.3REVam/D2.2
- Working Group Ballots:
 - P802.3an/D2.0
 - P802.3an/D2.1
 - P802.3aq/D2.0
 - P802.3aq/D2.1

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 and prior to approval of the standard (or reaffirmation when a patent or patent application becomes known after initial approval of the standard). This assurance shall be a letter that is in the form of 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 shall apply, at a minimum, from the date of the standard's approval to the date of the standard's withdrawal and is irrevocable during that period.

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 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>

March Standards Board (p. 1)

- ProCom recommendations
 - Bylaws and Operations Manual changes adopted
 - Enforcement of AudCom P&P review through NesCom and RevCom
- PatCom recommendations
 - Slide set amended
 - LOA form amended in January

March Standards Board (p. 2)

- RevCom recommendations
 - All 802 projects recommended for approval
 - Stabilized standards on hold
- NesCom recommendations
 - All 802 projects approved
 - P802.3ar Congestion Management
 - P802.3as Frame Expansion
 - New 2005 PAR form available

March Standards Board (p. 3)

- Standards Board
 - All 802 items approved
 - 2005 Bylaws and Operations Manual now in force
 - Committee recommendations approved
- <http://standards.ieee.org/board>

June Standards Board (p. 1)

- ProCom recommendations
 - IEEE/IEEE-SA membership required for Chairs and designees (SB Bylaws 5.2.1)
 - Electronic votes between meetings (SB Bylaws 5.2.1.1)
 - Conformance to IEEE Bylaws
 - Voting group invitation allowed
 - Definition of openness (SB Bylaws 5.2.1.2)
 - Resolution of comments, objections and negative votes (SB Ops Manual 5.4.3.2)
 - Response requirements for mandatory coordination comments
 - Appeals (SB Bylaws 5.4, SB Ops Manual 5.8)
 - Appeals on unethical behavior shall be addressed by IEEE Ethics and Member Conduct Committee

June Standards Board (p. 2)

- ProCom recommendations (continued)
 - Balloting (SB Ops Manual 5.4, 5.5)
 - All Sponsor ballots to be electronic
 - Remove mixed balloting from the process
- PatCom recommendations
 - Multiple changes affecting meetings: (treasury, reporting and sponsorship)
 - Significant changes proposed without final recommendation
 - PatCom intent that LOA form to become mandatory in 2006 (no free form letters)
 - Reciprocity and patent search language to be improved
 - Appropriate discussion of patent information conveyed post meeting to IEEE 802

June Standards Board (p. 3)

- RevCom recommendations
 - P802.3REVam/D2.2, Approve
 - Stabilized standards still on hold
- NesCom recommendations
 - All 802 projects approved
 - P802.3ar Congestion Management
 - P802.3as Frame Expansion
 - New 2005 PAR form available

June Standards Board (p. 4)

- Standards Board
 - All 802 projects approved
 - Committee recommendations approved
 - Executive session held
- <http://standards.ieee.org/board>

802 architecture meeting

- Significant discussion on QOS
 - No one is driving
 - It could fall off the list of issues
- 802.11 was the featured WG
 - Now have an architecture activity targeted to be inclusive of all wireless WGs
 - Will be cooperating with the 802 architecture group
- 802.3 will be the featured WG next plenary

LMSC EC Report p.1

- 802 Task force
 - ISO/IEE relationship
 - Funded services
 - Complementary copies
- ISO/IEC JTC1 SC6
 - 802.3 and 802.11 are fast tracking standards
 - Background presentation by Thompson (stds-802-sec reflector archive)
 - Planning presentation by Marks for current issue (meeting from 1-4 Wednesday)
- Time to prepare for annual review of Get 802
- IEEE is increasingly concerned about liabilities associated with anti competitive behaviors in standards development (Tue. presentation/Q&A)

LMSC EC Report p.2

- P&P Changes
 - Membership and meetings
 - Gaining and losing WG membership
 - Term limits
 - Officer elections and confirmation
 - Procedures and process
 - Conditional approval
 - Review of Five Criteria
 - Ballots and comment resolution
 - Procedure for PARs
 - Miscellaneous issues

LMSC Chair's Meetings

- Tues
 - 1:00 Get 802
 - 2:00 Online training contract
 - 3:00 IEEE session networking RFQ responses
 - 5:00 Anti-trust concerns
 - 7:30 Wireless groups attendance monitoring and document system
- Wed
 - 9:00
 - 10:00 802 Task Force
 - 1:00 Planning for ISO meeting (WAPI/802.11i)
 - 4:00 Appeal hearing (P802.3REVam)
- Thurs
 - ?am? Formation of TAGs
 - ?? Alternatives to EC ballot process
 - 1:00 International venues
 - 4:00 “Open office” (open door to talk to SA-SB Chair, LMSC Chair, SA Assoc. Managing Dir)

Project Authorization Requests

- P802.1AC MAC Service IF extension
- P802.1AL Secure Device ID
- P802.1AM Media Independent RF Mgt
- P802.1ao Shortest Path Bridging
- P802.1ap MIB for VLAN Bridges
- P802.3at DTE Power via the MDI
Enhancements
- P802.11y 3700 MHz PHY

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)
 - 802.3REVam, Maintenance (Mr. Law)
 - 802.3an (Mr. Booth)
 - 802.3ap (Mr. Healey)
 - 802.3aq (Mr. Cunningham)
 - 802.3ar (Mr. Daines)
 - 802.3as (Mr. Daines)
 - Residential Ethernet SG (Mr. Teener)
 - PoE Plus SG (Mr. McCormack)
- Plan for the Week (Mr. Law)