
IEEE 802.3 Working Group Opening Plenary 14 November 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)
 - P802.3an 10GBASE-T: Brad Booth (bbooth@ieee.org)
 - 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@wwp.com)
 - P802.3as Frame Expansion SG: Kevin Daines (kevin.daines@wwp.com)
 - P802.3at DTE Power via the MDI Enhancements: Mike McCormack (mike_mccormack@ti.com)
 - P802.3-2005/Cor1 (802.3au) Corrigendum 1 : David Law (david_law@3com.com)
 - Residential Ethernet SG: Michael D. Johas Teener (mikejt@broadcom.com)
- Attendee introductions
- Approve agenda

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

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>

Published Standards Soon

- IEEE Std 802.3-2005 (22 Nov 2005?)[†]
- IEEE Std 1802.3Rev-2001*

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

[†] Superseded standards available through Get IEEE 802 for six months. CAUTION – there are substantive changes and corrections not included in the superseded standards

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> or 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

- P802.3an/D2.4 (10GBASE-T)
 - 4th recirculation WG ballot comments
- P802.3ap/D2.0 (Backplane Ethernet)
 - Initial WG ballot comments
- P802.3aq/D2.4 (10GBASE-LRM)
 - 4th recirculation WG ballot comments
- P802.3ar/D0.9 (Congestion Management)
 - Proposed draft
- P802.3as/D2.1 (Frame Format Extensions)
 - 1st recirculation WG ballot comments
- P802.3-2005Cor1/D0.9 (Isolation corrigendum)
 - Preview for WG ballot
- Posted maintenance requests, rules changes
- 802.3 minutes
 - Approval of July minutes

802.3 Finances

- Passed 2004 audit
- May Austin meeting
 - Meeting closed
 - Surplus is in 802.3 account

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
-
-

802.3 Members (voters) p.1

Abaye, Ali	Beck, Michaël	Brunner, Robert
Abbott, John	Beliaev, Alexei	Busse, Robert
Abler, Joe	Bennett, Mike	Cain, Jeff
Adriaennsens, Luc	Bergmann, Ernest E.	Carlson, Steve
Agarwal, Puneet	Bhoja, Sudeep	Chang, Luke
Alexander, Jan	Bhugra, Harmeet	Cheong, Kok-Wui
Alping, Arne	Booth, Brad	Cho, Jae hun
Altman, Michael	Bradshaw, Peter	Chopra, Rahul
Anderson, Stephen D.	*Braga, Al	Claseman, George
Aronson, Lewis	Brand, Richard	Cobb, Terry
Babanezhad, Joseph N	Braun, Ralf-Peter	Cohen, Larry
Babla, Chet	Brink, Robert D.	Cornejo, Edward
Barrass, Hugh	*Brown, Benjamin	*Cravens, George
Baumer, Howard	Brown, Kevin	Cunningham, David
Beaudoin, Denis	Brunn, Brian	Dabiri, Dariush

802.3 Members (voters) p.2

Daines, Kevin

Dallesasse, John

D'Ambrosia, John

Darshan, Yair

Dawe, Piers

Di Minico, Chris

Diab, Wael

Dineen, Thomas

Dinh, Thuyen

Dove, Dan

Dring, John

Dudek, Mike

Dupuis, Joseph E.

*Eiliya, Herman

Eisler, George

*Ensign, Brian S.

Ewen , John F.

Fallahi, Siavash

Feldman, Daniel

Flatman, Alan

Fujimoto, Yukihiro

Gaither, Justin

Ganga, Ilango S.

Gao, Xiao Ming

Garner, Geoffrey M

George, John

*Gerhardt, Floyd

Ghiasi, Ali

*Goergen, Joel

Golden, Glenn

*Graham, Rich

Grow, Robert M.

Gupta, Sandeep

Gupta, Tanmay

*Gyurek, Russ

Hammond, Bernie

Hazarika, Asif

Healey, Adam

Hegde, Gopal

Hill, Tricia

Hindi, Sammy

*Hudson, Chuck

Hurwitz, Walter K.

Jaeger, John

James, David V.

802.3 Members (voters) p.3

Jimenez, Andrew C.

Jolly, Cristopher

Jones, Chad

Jones, William W.

Joo, Seong-Soon

Jørgensen, Thomas K.

Jover, Juan

Kasturia, Sanjay

Kim, Yong

King, Jonathan

Kish, Paul

Koenen, David J.

Kolesar, Paul

*Koyama, Tetsu

Krishnamurthy, Subi

Kundu, Aniruddha

Kwentus, Alan

*Lackner, Hans

Langston, Daun

Lapak, Jeff

Law, David

*Lawton, Michael

Lerer, Michael

*Lim, Seyoun

Lindsay, Tom

Lobel, Martin

Lou, Dennis

Lynch, Jeffrey

Lynskey, Eric R.

Marris, Arthur

*Martin, David W.

Mathey, Thomas

McCarthy, Frank

McClellan, Brett

McConnell, Mike

McCormack, Michael S

Mei, Richard Y.

Mellitz, Richard

Mezer, Amir

Miao, Tremont

Moore, Charles

Mueller, Wayne A.

Muller, Shimon

*Muth, Jim

Naidu, Hari

802.3 Members (voters) p.4

Nishimura, Shinji

*Noseworthy, Bob

Obara, Satoshi

*Oberstar, John

Oltmanns, Mike

Palkert, Tom

Panos, Bill

Parsons, Glenn

Patoka, Martin

Peeters Weem, Jan P.

Pepeljugoski, Petar

Peters, William R.

Phanse, Abhijit

Piede, David

Pimpinella, Rick

Plunkett, Timothy R.

Popescu, Petre

Powell, Scott R.

Qian, Haoli

Rabinovich, Rick

Rao, Sailesh K.

Rausch, Dan

Reviriego, Pedro

Rommel, Albrecht

Rybinski, Valerie

Ryu, Hyunsurk (Eric)

Savi, Olindo

Sawyer, T. Shannon

Seemann, Brian

Seki, Katsutoshi

*Sendelbach, Lee

Shanbhag, Abhijit

Smith, Grant

Spagna, Fulvio

Sparrowhawk, Bryan

*Squire, Matthew B.

*Srodzinski, David

Stanford, Clay

Swanson, Steve

Swenson, Norman

Szczepanek, Andre

Telang, Vivek

Tellado, Jose

Thaler, Pat

Thompson, Geoffrey

802.3 Members (voters) p.4

Thon, Lars E.

Tomaszewski, Peter

Toyoda, Hidehiro

Traverso, Matt

Twu, Bor-long

Vaden, Sterling A.

Valliappan, Magesh

Van Bavel, Nicholas

van Doorn, Schelto

VanSchyndel, Andre

Vareljian, Albert

Von Herzen, Brian

Wadekar, Manoj

Weiner, Nick

Witt, Kevin

Woodruff, Bill

Yagil, Ariel

Zimmerman, George

Zivny, Pavel

Zona, Bob

***in peril of losing membership**

Potential Members (voters) p.1

Amin, Nitish

Bachar, Yuval

Barazande-Pour, Majid

Belogolovy, Andrey

◆ Bonnamy, Jean-Michel

Braun, Dori

◆ Brown, Matt

◆ Brownlee, Phillip

◆ Chalupsky, David

Chan, Kevin T.

Chen, Qing-lun

◆ Chin, David

Conroy, Keith

● Crepin, J. Francois

Cummings, Uri

Delveaux, Bill

◆ DeNicholas, Joe

Elzur, Uri

◆ Esmailian, Tooraj

◆ Feng, Feifei (Felix)

● Frosch, Richard

Galindo, Juan A.

George, Matthew

● Ghoshal, Sajol

Gray, Carl Thomas

Griggs, Brian

Halder, Bijit

Hallemeier, Pete

Hendrick, Matt

Hinrichs, Henry

Hojabri, Pirooz

Inano, Shigeru

◆ Johas Teener,
Michael D.

Jung, Hee won

◆ Kaku, Shinkyō

Katzenberg, Boris

◆ Koeman, Henricus

◆ Koonce, Derek

Kothary, Piyush

Koziuk, Glen

Kusyk, Richard

◆ Landry, D. Matthew

LeCheminant, Greg

Lee, Chien-Hsin

Potential Members (voters) p.2

Lee, Hyeon-jae

◆ Lertniphonphun,
Warayot

◆ Lingle, Jr., Robert

Magram, Luis

Matsumoto, Tomoyuki

McAlpine, Gary

McCallum, David S.

◆ McVey, James D.

Memorach, Bubil

◆ Mick, Colin

Molina, Albert

◆ Monson, John

Morris, James E

Nabili, Babak (Bobby)

◆ Nordin, Ron

Osawa, Takeo

Parameswaran, Gopa

Patel, Gautam

● Peker, Arkadiy

Puleo, Mario

Quinn, Liam

◆ Reintjes, Maurice

Sakakibara, Hiroshi

● Schube, Scott

◆ Scull, Harvey R.

Sheffield, Jimmy

◆ Shorthill, Larry

Sigmon, Ned

● Smith, Andrew

Sun, Yu

Tazebay, Mehmet

Thompson, Joey

Tuck, Fred

◆ Ungerboeck, Gottfried

Vogel, David

Wang, Hui

Yang, Yaochao

Yoon, Chong Ho

◆ *Requested to become
member (Monday)*

● *Requested to become
member (Thursday)*

Interim TF & SG meetings held

- Manchester, NH, USA, 12-16 Sep 2005
 - P802.3an, 10GBASE-T
 - P802.3ap, Backplane Ethernet
 - P802.3aq, 10GBASE-LRM
 - P802.3as Frame Expansion
 - Power over Ethernet Plus SG (P802.3at)
 - Maintenance
 - San Jose, CA, USA, 29-30 Sep 2005
 - RESG/802.1
 - Corning, NY, USA, 10-12 Oct 2005
 - P802.3aq, 10GBASE-LRM
 - Milpitas, CA, USA, 17 Oct 2005
 - P802.3an, 10GBASE-T
 - Vancouver, BC, Canada, 13-14 Nov 2005
 - P802.3ap, Backplane Ethernet
-
-

802.3 ballots since July

- Sponsor Ballot invitations:
 - P802.3an
 - P802.3aq
 - P802.3as
- Working Group Ballots:
 - P802.3an/D2.2, D2.3, D2.4 recirculations
 - P802.3ap/D2.0 initial ballot
 - P802.3aq/D2.2, D2.3, D2.4 recirculations
 - P802.3as/D2.0 initial ballot, D2.1 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 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.

(Revised March 2005)

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>

(Revised March 2005)

September Standards Board (p. 1)

- ProCom recommendations
 - Operations manual text for establishing IEC Category D liaison
 - Consultants participation in the entity process (must not be representing another member)
 - Clear statement that editorial comments may be deferred to the publication editor
 - Official reporter removed from the process
 - Clarification of Standards Board voting rules
 - Changes to PatCom membership (staff and legal counsel become advisory)
- ProCom discussion items
 - Interpretations process
 - MyProject status

September Standards Board (p. 2)

- PatCom discussion
 - Not enough consensus on ANSI patent policy changes yet
 - DoJ/FTC meeting, a business review letter will be sought before implementing any policy changes (anti-trust concerns)
 - Proposed changes to policy – continuation of June discussion
 - Lawyers from multiple high tech companies present
 - If your employer cares about the IEEE patent policy, they should pay attention
 - Changes to the Letter of Assurance form
 - Form proposed to be mandatory (Oct SB ballot)
 - LoA withdrawal, obligations to successor
 - Inclusion of license terms (not to exceed)
 - Amendment of claims
 - Failure of participant to provide LoA
 - Applicability of LoA to other standards referencing IEEE standards

September Standards Board (p. 3)

- RevCom recommendations
 - All 802 projects approved
- RevCom discussion
 - Indication of satisfaction from mandatory coordination
 - No action on stabilized standards
- NesCom recommendations
 - All 802 projects approved
 - P802.3at
 - P802.3-2005/Cor1
- NesCom discussion
 - Changes to the 2006 PAR form adopted
 - Work required to reconcile with myProject

September Standards Board (p. 4)

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

December Standards Board

- BoG requested text on participation
 - Unduly high participation from a company is unacceptable
 - Declaration of affiliation a part of openness
- PatCom will continue to be lively
 - Most discussion items deferred to Dec.
- ProCom changes might override our rules
 - Electronic voting could affect WG ballots
 - Should not be a problem except possible need to form a WG ballot group prior to March

LMSC EC Report p.1

- 802 Task force
 - Internationalization of 802 standards discussed
 - Complimentary copies are dead
 - IPR policy issues under discussion
 - ProCom electronic voting and approval thresholds
 - Will meet this week
- Get IEEE 802 within (20%) of 2005 budget
- European patent office access to drafts and presentations for determination of prior art
- On-line training program progressing

LMSC EC Report p.2

- ISO/IEC JTC1 SC6
 - No agreement in Beijing, no improvement at France meeting
 - Dual fast-track with discrepancy period, but no delay for discrepancies
 - Ballot underway
 - Multiple countries pointed out discrepancies
 - US vote on WAPI delayed
 - US Tag formed and functioning
- Electronic attendance and document management
 - Resolution proposed for legal issues associated with previous software
 - 802.11 has the largest problem taking attendance because of size
 - Will be looking to issue an RFC

LMSC EC Report p.3

- P&P Changes
 - Membership and meetings including
 - Change membership requirement from 2 of last 4 plenary meetings to 2 of last 3 plenary meetings
 - If applied prior to this meeting
 - All voters in peril would not be voters
 - 36 other voters would be in marked as in peril
 - WG opinion solicited
 - Common WG appeal process
 - LMSC organization (mostly hibernated WGs)
 - March 2006 meeting rescheduled (5-10 Mar) and relocated (Denver, CO)
 - Jan 14-19 2007 secured for IEEE 802 hosted interim sessions in London, UK

LMSC Chair's Meetings

- **Tues**
 - 6:30-8:00 Member feedback on improving 802 efficiency
- **Wed**
 - 12:00-2:00 802 Task Force
 - 2:00-3:00 Online training SOW review
 - 3:00-4:00 Attendance and documentation system RFP creation
- **Thurs**
 - 1:00-2:00 Network services RFP review
 - 5:00-7:00 “Open office” (open door to talk to SA-SB Chair, LMSC Chair, IEEE-SA Past President SA Assoc. Managing Dir)
 - 6:00-7:00 Rules discussion (elections)

Project Authorization Requests

- P802.11y 3700 MHz PHY
- P802.16i MIB for mobile support
- P802.22.1 Enhanced protection for part 74 devices

March 2006 LMSC Elections

- IEEE 802 LMSC Chair
 - Current term runs through end of March plenary
 - Mr. Nikolich stood for election as member of IEEE-SA BOG in elections ending Nov 1.
 - Mr. Nikolich will stand for re-election as LMSC Chair
 - LMSC Chair will be elected by current Executive Committee in March
- IEEE 802.3 Chair and Vice Chair
 - Current term runs through end of March plenary
 - Mr. Grow plans to stand for re-election as Chair
 - Mr. Law is term limited as Vice chair without 75% approval of the WG
 - Other candidates are requested to announce their candidacy and consult with a member of the Executive Committee
 - All candidates are to assure they are eligible for confirmation at the March closing EC meeting

IEEE 802.3 Election Process (p.1)

- Opening 802.3 plenary meeting
 - Candidates may announce before or at the opening 802.3 plenary session
 - An alternate method of voting may be established by motion
- Closing 802.3 plenary meeting
 - Unannounced eligible candidates may be nominated from the floor
 - Candidates will be granted time for brief statements
 - Candidates will leave the room for discussion prior to the vote
 - Current Vice Chair will first conduct election of Chair, current Chair will conduct election of Vice Chair

IEEE 802.3 Election Process (p.2)

- Default method of voting is by show of hands with candidates absent from room
 - If no candidate receives a majority of votes cast, subsequent votes will be conducted
 - On each iteration the candidate with lowest vote count from the previous ballot is eliminated and may return to the room
 - Acting chair may allow limited discussion between ballots
- If a paper ballot is mandated by majority motion
 - Only announced candidates names will be printed on the ballot, only nominated candidates may be written in
 - Candidates may be present during voting
 - The Recording Secretary shall select two monitors to assist in the distribution and counting of ballots
 - Ballots shall be counted in the meeting room

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)
 - 802.3an (Mr. Booth)
 - 802.3ap (Mr. Healey)
 - 802.3aq (Mr. Cunningham)
 - 802.3ar (Mr. Daines)
 - 802.3as (Mr. Daines)
 - 802.3at (Mr. McCormack)
 - Residential Ethernet SG (Mr. Teener)
 - Call for Interest