IEEE 802.3 Working Group Opening Plenary 14 March 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 William 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@wwp.com)
  - P802.3as Frame Expansion SG: Kevin Daines (kevin.daines@wwp.com)
  - Residential Ethernet SG: Steve Carlson (scarlson@esta.org)
  - 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 announcements
  - stds-802-3@listserv.ieee.org
- IEEE 802 plenary meeting announcements
  - Stds-802-all@listserv.ieee.org
- IEEE 802.3 TF/SG reflectors are for appropriate project related discussion
- Reflector subscription
  - http://listserv.ieee.org/cgi-bin/wa
- Web site
  - www.ieee802.org/3
  - Access information to private areas is announced by Vice Chair, TF/SG Chairs

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

Documents posted for WG Consideration

- P802.3REVam/D2.1 ballot package
  - 1st Recirculation closes Wednesday
- P802.3an/D1.4
  - Preview for authorization of WG ballot
- P802.3aq/D1.1
  - Preview for authorization of WG ballot
- P802.3at Residential Ethernet PAR & Criteria
- Posted Interpretations and Maintenance requests
- 802.3 minutes
  - Approval of November minutes

802.3 Finances

- Checking account opened
- Signatories to be added as required by IEEE financial policies
- Available to host/co-host interim meetings
- Loan will be secured from LMSC treasury if necessary to facilitate meetings
- Need equipment box prior to May

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

Abbott, John

Abler, Joe

AbuGhazaleh, Shadi

Adriaennsens, Luc

*Alderrou, Don

Alping, Arne

Altman, Michael

Amer, Khaled

Amin, Nitish

Anderson, Stephen D.

Armijo, Bert

Babanezhad, Joseph N

Barazande-Pour, Majid

Barrass, Hugh

*Baumer, Howard

Beaudoin, Denis

Beck, Michaėl

*Beili, Edward

Beliaev, Alexei

*Below, Randy J.

Bennett, Mike

Bhoja, Sudeep

Bohbot, Michel

Booth, Brad

Boucino, Thomas J.

Bradshaw, Peter

Braga, Al

Brand, Richard

Brink, Robert D.

Brown, Benjamin

Brown, Kevin

Brunn, Brian

Busse, Robert

Cain, Jeff

Carlson, Steve

Cates, Ron

Chang, Luke

Chen, Xiaopeng

Cheong, Kok-Wui

Chopra, Rahul

*Chou, Joseph

Claseman, George

Cobb, Terry

Cohen, Larry

802.3 Members (voters) p.2

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
Dove, Dan
Dupuis, Joseph E.
*Easley, J. Craig

*Eckert, Edward J.
Eiliya, Herman
Eisler, George
Ensign, Brian S.
Ewen , John F.
Fallahi, Siavash
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
Hudson, Chuck
Hurwitz, Walter K.
Jaeger, John

802.3 Members (voters) p.3

*Jiang, Wenbin

Jones, William W.

*Jonsson, Ulf

Jover, Juan

Jųrgensen, Thomas K.

Kasai, Yuji

Kasturia, Sanjay

Kim, Yong

*Kimpe, Marc

King, Jonathan

Kish, Paul

Koenen, David J.

Kolesar, Paul

Koyama, Tetsu

Koziuk, Glen

Kramer, Glen

Lackner, Hans

Langston, Daun

Law, David

*Lawrence, Eric

Lawton, Michael

Lerer, Michael

LIM, Seyoun

Liu, Cathy

Lou, Dennis

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.

Miao, Tremont

Moore, Charles

Mueller, Wayne A.

Muller, Shimon

*Murphy, Thomas

Muth, Jim

*Naidu, Hari

Nishimura, Shinji

Nordin, Ron

Noseworthy, Bob

802.3 Members (voters) p.4

Obara, Satoshi

Oberstar, John

Oltmanns, Mike

*O'Mahony, Barry

Palkert, Tom

Parsons, Glenn

Pepeljugoski, Petar

Peters, William R.

Pivonka, Ed

Plunkett, Timothy R.

Popescu, Petre

*Posthuma, Carl R.

Powell, Scott R.

Rabinovich, Rick

Rao, Sailesh K.

*Remein, Duane

Rodensky, Michael

Rybinski, Valerie

Savi, Olindo

*Schneiderheinze, Burkart

Seemann, Brian

Sendelbach, Lee

Shanbhag, Abhijit

Simon, Scott

Smith, Grant

*Sorbara, Massimo

Spagna, Fulvio

Sparrowhawk, Bryan

Squire, Matthew B.

Srodzinski, David

*Stuart, Richard

Swanson, Steve

Swenson, Norman

Szczepanek, Andre

Takahashi, Eiichi

Telang, Vivek

Tellado, Jose

Thaler, Pat

*Thatcher, R. Jonathan

Thompson, Geoffrey

*Tolley, Bruce

Toyoda, Hidehiro

Traverso, Matt

Twu, Bor-long

Vaden, Sterling A.

802.3 Members (voters) p.5

van Doorn, Schelto

Vanderlaan, Paul Z.

VanSchyndel, Andre

Von Herzen, Brian

Wadekar, Manoj

Warren, Jeff

Weiner, Nick

Witt, Kevin

Woodruff, Bill

Yagil, Ariel

Yoon, Chong Ho

Yu, Hong

Zimmerman, George

Zona, Bob

*in peril of losing membership

Potential Members (voters) p.1

- Agarwal, Puneet
- Aichele, David
- ♦ Alexander, Jan
- Aronson, Lewis
- ♦ Babla, Chet
- Behtash, Saman
- Belogolovy, Andrey
- Bhugra, Harmeet
- Blauvelt, Hank
- Boyd, Graeme
- ♦ Braun, Ralf-Peter
- Cai, Xingjian
- Chan, Kevin T.
- ♦ Cho, Jae hun
- Crowley, Mike

- Dinh, Thuyen
- Dring, John
- Elzur, Uri
- Feldman, Daniel
- Fisher, William
- Gao, Xiao Ming
- Golden, Glenn
- Gray, C. Thomas
- Gupta, Tanmay
- Halder, Bijit
- Hallemeier, Pete
- Handa, Shinya
- Hays, Robert
- Hindi, Sammy
- Hojabri, Pirooz

- Iijima, Yosuke
- Inano, Shigeru
- ♦ Jimenez, Andrew C.
- Johansen, Henrik
- Jolly, Cristopher
- Joo, Seong-Soon
- Koeman, Henriecus
- Kosukegawa, Tsutomu
- Kottapalli, Sreenivas
- Krishnamurthy, Subi
- ♦ Kundu, Aniruddha
- Kusyk, Richard
- Larsen, Wayne
- Latchman, Ryan
- LeCheminant, Greg

Potential Members (voters) p.2

Lee, Chien-Hsin

Lin, Yu-Min

•Lindsay, Tom

•Lobel, Martin

♦Lynch, Jeffrey

Magram, Luis

Matsumoto, Tomoyuki

McAlpine, Gary

McCarthy, Frank

♦Mellitz, Richard

Mezer, Amir

Mitchell, John W.

Morency, Isabelle

Morris, James E

Moubarak, Roland

Osawa, Takeo

Parameswaran, Gopa

Parlor, Bryan

•Patoka, Martin

♦Peeters Weem, Jan P.

•Phanse, Abhijit

♦Pimpinella, Rick

Quinn, Liam

Reed, Robert

RieB, Mathias

Ring, William S.

•Rommel, Albrecht

♦Sawyer, T. Shannon

Scull, Harvey R.

♦Seki, Katsutoshi

Sheffield, Jimmy

Shioiri, Satomi

Sigmon, Ned

Sun, Yi

Sun, Yu

Suzaki, Tetsuyuki

Takatori, Hiroshi

Tanaka, Keiji

•Thon, Lars E.

•Tomaszewski, Peter

♦Valliappan, Magesh

♦Van Bavel, Nicholas

•Vareljian, Albert

Wang, Hui

♦Zivny, Pavel

Potential Members (voters) p.3

♦ *Requested to become member (Monday)*

• *Requested to become member (Thursday)*

Interim TF & SG meetings held

- Sacramento, CA, USA, 11-12 Jan 2005
  - P802.3ar Congestion Management
  - P802.3as Frame Expansion
- Vancouver, BC, Canada 24-29 Jan 2005
  - REVam, revision of IEEE Std 802.3
  - P802.3an, 10GBASE-T
  - P802.3ap, Backplane Ethernet
  - P802.3aq, 10GBASE-LRM
  - Residential Ethernet SG
  - Power over Ethernet Plus SG
- Santa Clara, CA, USA 23-24 Feb 2005
  - P802.3an, 10GBASE-T

803.3 ballots since November

- Sponsor Ballots:
  - P802.3REVam/D2.0
  - P802.3REVam/D2.1

- Working Group Ballots:
  - none

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 potions 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.

◆IEEE

Inappropriate Topics for IEEE WG Meetings

- 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

IEEE

Standards Board (p. 1)

- No IEEE 802 standards on administrative withdrawl
- ProCom
  - Voting rules changes to be proposed
    - What counts in the approval %
    - Votes versus straw polls
  - RAC to be added to mandatory coordination list
  - Standards Companion to be updated for comment resolution procedures
  - Replace "non-individual person" with "entity" (other changes for entities)
  - Copyright permissions to be required prior to ballot invitation

Standards Board (p. 2)

- PatCom
  - Letter of Assurance form revised for 2005
  - 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

Standards Board (p. 3)

- RevCom
  - No 802 projects

- NesCom
  - All 802 projects approved
  - P802.3ar Congestion Management
  - P802.3as Frame Expansion
  - New 2005 PAR form available

Standards Board (p. 4)

- Standards Board
  - All new 802 projects approved
  - Bylaw changes
  - Operations Manual changes approved by Board of Directors
    - Incorporated into 2005 *IEEE-SA Standards Board Operations Manual*
  - MyBallot now mandatory
- http://standards.ieee.org/board

LMSC Reports

- IEEE-SA Standards Board meetings co-located (Friday through Sunday)

- 802 Architecture meeting (Thaler)

- *Introduction to SA P&P* –volunteers requested for test/evaluation of elearning course

LMSC EC Report p.1

- Get IEEE 802 on track, will be reviewed in July

- Little progress on non North America plenary, local facilitation may help

- ISO/IEC JTC1/SC6 8802 fast track ballot suspended (802.11i)

LMSC EC Report p.2

- Proposed P&P changes
  - Rules changes process
  - EC membership, member emeritus and teleconfererence voting to be separately balloted
  - EC voting
  - WG voting (e.g., interim quorum requirements, teleconference)

LMSC Chair's Meetings

- Tues
  - 1:00 IEEE/ITU-R discussion
  - 2:00 China Liaison discussions
  - 3:00 ISO JTC1 discussion
  - 9:30pm P&P revisions
- Wed
  - 9:00 Network RFP and EMS contract
  - 10:00 802 TF
  - 1:00 REVam ballot issues
  - 2:00 International venues
- Thurs
  - 6:00pm SA SB interaction

Project Authorization Requests

- P802.3at   Residential Ethernet
- P802.11w   Protected Management
- P802.15.3   mm Wave PHY

- P1900.2   Practice for interference and coexistence
- P1900.1   Std Broadband over Power Line (submitted to NesCom as P1775)

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. Carlson)
  - PoE Plus SG (Mr. McCormack)
- Calls for Interest
- Plan for the Week (Mr. Law)