
IEEE 802.3 Working Group Opening Plenary 12 July 2004

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 Secretary: Steve Carlson (scarlson@esta.org)
 - P802.3ah EFM: Howard Frazier (hfrazier@sbcglobal.net)
 - 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)
 - Congestion Management SG: Ben Brown (benjamin.brown@ieee.org)
- 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 March 2004)
- P802.3ah/D3.3 (approved draft)

- IEEE Std 1802.3Rev-2001*

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

Current WG Documents

- P802.3REVam
 - Consolidated edition merging: errata, 802.3ae, 802.3af, 802.3aj, 802.3ak and Maintenance #8 into IEEE Std 802.3-2002
 - P802.3ah/D3.3
- Interpretations and Maintenance requests posted
- 802.3 minutes posted
 - Approval of March minutes

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 (signed in during last year)
 - New attendees & update contact information
 - Review membership lists – potential voters
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802.3 Members (voters) p.1

Abaye, Ali	Bemmel, Vincent	Cheong, Kok-Wui
AbuGhazalehP,	Bennett, Mike	Chopra, Rahul
Adriaennsens, Luc	Bhatt, Vipul	Chow, Jacky
Alderrou, Don	Bohbot, Michel	Claessen, Guss
Armijo, Bert	Booth, Brad	Claseman, George
Aronson, Simcha	Bradshaw, Peter	Cobb, Terry
Artman, Doug	Braga, Al	Cohen, Larry
Babanezhad, Joseph N	Brand, Richard	Cook, Charles I
Barnea, Eyal	Brown, Benjamin	Cravens, George
Barrass, Hugh	Brown, Kevin	Daines, Kevin
Baumer, Howard	Busse, Robert	Dallesasse, John
Beaudoin, Denis	Cain, Jeff	Dawe, Piers
Beck, Michaël	Carlo, James T.	De Andrea, John
Beili, Edward	Carlson, Steve	Debbasch, Bernard O.
Below, Randy J.	Chen, Xiaopeng	Di Minico, Chris

802.3 Members (voters) p.2

Diab, Wael

Dineen, Thomas

Dove, Dan

Dupuis, Joseph E.

Easley, J. Craig

Eckert, Edward J.

Egan, John

Eisler, George

Ewen , John F.

Fanfoni, Sabina

Flatman, Alan

Frazier, Howard

Fujimoto, Yukihiro

Gaglianella, Robert D

Gaither, Justin

George, John

Gerhardt, Floyd

Goldis, Moty

Graham, Rich

Grow, Robert M.

Gummalla, Ajay

Gustafsson, Jonas

Gyurek, Russ

Hammond, Bernie

Hansen, Chris

Haran, Onn

Hazarika, Asif

Healey, Adam

Heckroth, Jim

Horvat, Michael

Hurwitz, Walter K.

Jackson, Steve

Jaeger, John

Jiang, Wenbin

Jones, William W.

Jonsson, Ulf

Jørgensen, Thomas K.

Kaku, Shinkyō

Kasturia, Sanjay

Kenny, John J.

Khermosh, Lior

Kim, Chan

Kim, Jin H.

Kimpe, Marc

King, Neal

802.3 Members (voters) p.3

Koenen, David J.	McGugan, Chris	O'Mahony, Barry
Kolesar, Paul	Mei, Richard Y.	O'Rourke, Aidan
Kramer, Glen	Messenger, John	Obara, Satoshi
Lackner, Hans	Miao, Tremont	Oberstar, John
Langston, Daun	Miyoshi, Hidekazu	Pannell, Don
Law, David	Muller, Shimon	Parsons, Glenn
Lawrence, Eric	Murakami, Ken	Pesavento, Gerry
LIM, Seyoun	Murphy, Thomas	Pivonka, Ed
Lynskey, Eric R.	Naganuma, Ken	Popescu, Petre
MacLeod, Brian	Naidu, Hari	Posthuma, Carl R.
Maislos, Ariel	Nguyen, Trung	Powell, Scott R.
Marris, Arthur	Nishimura, Shinji	Quackenbush, William
Martin, David W.	Nojima, Kazuhiro	Rabinovich, Rick
Mathey, Thomas	Nordin, Ron	Radcliffe, Jerry K.
McCormack, Michael S	Noseworthy, Bob	Rado, Ted

802.3 Members (voters) p.4

Raman, Naresh	Shohet, Zion	Thorne, David
Rao, Sailesh K.	Shridhar, Avadhani	Tolley, Bruce
Remein, Duane	Simon, Scott	Toyoda, Hidehiro
Rezvani, Behrooz	Soffer, Ran	Tsuji, Shinji
Roth, Zeev	Song, Jaeyeon	Tzannes, Marcos
Sala, Dolors	Sorbara, Massimo	Vaden, Sterling A.
Sambasivan, Sam	Squire, Matthew B.	van Doorn, Schelto
Saracino, Concita	Stuart, Richard	Vanderlaan, Paul Z.
Savara, Raj	Swanson, Steve	Veerayah, Kumaran
Savi, Olindo	Tai-Lai, Tung	Vergnaud, Gérard
Schneiderheinze,	Tate, Mike	Warren, Jeff
Sendelbach, Lee	Tellado, Jose	Wei, Dong
Seto, Koichiro	Thaler, Pat	Weissberger, Alan
Sheppard, Ben	Thatcher, R. Jonathan	Winterton, Darin
Shih, Cheng-Chung	Thompson, Geoffrey	Yoo, Tae-Whan

802.3 Members (voters) p.5

Yoshihara, Osamu

Yu, Hong

Zagalsky, Nelson

Zimmerman, George

Zivny, Pavel

Zona, Bob

Members in Peril

Aronson, Simcha
Artman, Doug
Barnea, Eyal
Bhatt, Vipul
Carlo, James T.
Claessen, Guss
Cook, Charles I
Debbasch, Bernard O.
Egan, John
Gaglianello, Robert D
Goldis, Moty
Gummalla, Ajay
Gustafsson, Jonas
Hansen, Chris
Jackson, Steve

Khermosh, Lior
Kim, Jin H.
Messenger, John
Miao, Tremont
Miyoshi, Hidekazu
Murakami, Ken
Naganuma, Ken
Nojima, Kazuhiro
O'Rourke, Aidan
Radcliffe, Jerry K.
Raman, Naresh
Rezvani, Behrooz
Roth, Zeev
Sala, Dolores
Savara, Raj

Sendelbach, Lee
Seto, Koichiro
Sheppard, Ben
Shih, Cheng-Chung
Shohet, Zion
Shridhar, Avadhani
Soffer, Ran
Song, Jaeyeon
Tate, Mike
Tsuji, Shinji
Vergnaud, Gérard
Wei, Dong
Winterton, Darin
Yoo, Tae-Whan
Zagalsky, Nelson

Potential Members (voters) p.1

Aichele, David

•Amer, Khaled

◆Amin, Nitish

Asbo, Magnus

Babla, Chet

Behtash, Saman

•Beliaev, Alexei

Bhoja, Sudeep

Blauvelt, Hank

•Boucino, Thomas J.

•Cates, Ron

Choi, Su-il

•Chou, Joseph

•Cornejo, Edward

Crepin, J. Francois

Crowley, Mike

•Cunningham, David

•D'Ambrosia, John

•Dabiri, Dariush

Dinh, Thuyen

Dreyer, Steve

Ellwanger, Eric

•Ensign, Brian S.

Fisher, William

Fitzgerald, Paul

Fukuchi, Kiyoshi

•Ghiasi, Ali

•Goergen, Joel

Goudie, Stewart

Gray, C. Thomas

Hays, Robert

◆Hegde, Gopal

◆Higuchi, Tetsuya

Inano, Shigeru

Kang, Tae Kyu

•Kasai, Yuji

Keh, Raymond

•Kim, Yongbum

King, Jonathan

Kottapalli, Sreenivas

•Koyama, Tetsu

◆Koziuk, Glen

Larsen, Wayne

Latchman, Ryan

Lee, Hoon

Potential Members (voters) p.2

Lerer, Michael

Liu, Cathy

Liu, Howard

Lobel, Martin

Mahmood, Rehan

•McCallum, David S.

•McConnell, Mike

Mitchell, John W.

Morency, Isabelle

Morris, James E

Moubarak, Roland

•Mueller, Wayne A.

•Muth, Jim

Onishi, Kazumi

Pease, Chris

•Pepeljugoski, Petar

•Plunkett, Timothy R.

Reed, Robert

RieB, Mathias

Ring, William S.

◆Rodensky, Michael

•Rybinski, Valerie

Sampson, Rod

•Seeman, Brian

Seery, Mark

•Seki, Katsutoshi

Shida, Yasunari

Shioiri, Satomi

Siemon, John

•Spagna, Fulvio

•Sparrowhawk, Bryan

◆Srodzinski, David

Sugawara, Mitsutoshi

Suzaki, Tetsuyuki

◆Swenson, Norman

•Takahashi, Eiichi

Takatori, Hiroshi

Tanaka, Keiji

•Telang, Vivek

◆Twu, Bor-long

VanSchyndel, Andre

Vareljian, Albert

•Von Herzen, Brian

Weiner, Nick

Wingard, Michael L.

Potential Members (voters) p.2

Yagil, Ariel

◆ Yoon, Chong Ho

Yousefi, Nariman

◆ *Requested to become member (Monday)*

● *Requested to become member (Thursday)*

Interim TF & SG meetings held

- Santa Clara, CA, USA, 12-13 Apr 2004
 - P802.3ah, EFM comment resolution
- Long Beach, CA, USA, 24-27 May 2004
 - P802.3REVam, revision of IEEE Std 802.3
 - P802.3an, 10GBASE-T
 - P802.3ap, Backplane Ethernet
 - P802.3aq, 10GBASE-LRM
 - Congestion Management SG

803.3 ballots since March

- Sponsor Ballots:
 - P802.3ah/D3.2 – 2nd Sponsor recirculation
 - P802.3ah/D3.3 – 3rd Sponsor recirculation
- Working Group Ballots:
 - none

Standards Board

- Two meetings and one continuous processing cycle since 802.3 last met
- Policies and Procedures changes for 2005, most refinements on process
 - Refine conventions, instructions and forms
- P802.3ah/D3.3 approval
- My Ballot planned to be mandatory in 2005

802 Architecture

- Executive Committee Standing Committee
 - Will address cross WG architectural issues
 - Representatives from each WG
 - Max of two architects appointed by WG Chair
 - Strategic orientation for durable architecture
 - Knows the difference between an architecture, a product and a standard
 - Respected technical expert of the WG
 - Consistent participation required (company support)
- Meet 2:00-5:00 Sunday of plenary week
- Initial issues:

802 Architecture Known Issues

- MAC Service Interface inconsistency
- QoS/COS inconsistency and divergence
- Security (after network entry)
- Management – scope and interface

LMSC EC Report p.1

- Major editorial revision of P&P to conform closer to model sponsor P&P
 - To be posted to www.ieee802.org
 - Will be before EC on Friday for approval
 - Contract with IEEE to do substantive revision will be considered Friday
- Proposed P&P changes (co-existence, conformance to superior rules)
- 802 Task Force issues (PAR form, My Ballot)
- Indemnification clarified (IEEE membership not required to be indemnified)

LMSC EC Report p.2

- Get IEEE 802 program revenues are running low but still within 20%.
- On-line training program – RFQs out, funding proposal expected Friday

LMSC Chair's Meetings

- Tues
 - None scheduled
- Wed
 - 3:00-4:00 Refine SA P&P SOW
 - 4:00-5:00 802 Task Force
- Thurs
 - 11:00-12:00 On-line training proposal

Tutorials

- Monday Evening
 - 6:30 Connectivity Fault Management
 - 8:00 EMS: Process, Policy & Procedure
802.17 CFI: Improved Spatial Reuse
- Tuesday Evening
 - 6:30 Coexistence in Unlicensed Bands
802.3 CFI:
 - 8:00 IEEE 1394 and 802
EMS: Advanced Framemaker

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 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 Patent Committee
Administrator at patcom@ieee.org or visit
<http://standards.ieee.org/board/pat/index.html>

Project Authorization Requests

- IEEE 802.3
 - 802.3ar “Frame Format Extensions”
(<http://www.ieee802.org/3/????>)
- 802.11p
- 802.11T
- 802.16e
- 802.16f
- 802.16g
- 802.22

Continuing Agenda

- Liaison Reports
- 802 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)
 - 802.3ah Ethernet in the First Mile (Mr. Frazier)
 - 802.3ak 10GBASE-CX4 (Mr. Dove)
 - 10GBASE-T SG (Mr. Booth)
 - Backplane Ethernet SG (Mr. Healey)
 - 10GMMF SG (Mr. Tolley)
- Calls for Interest
- Plan for the Week (Mr. Law)