

**Unconfirmed Minutes
IEEE 802.3 CSMA/CD PLENARY
Embassy Suites Hotel, Portland, OR
July 12 - 14, 2004**

<http://www.ieee802.org/3/minutes/jul04/index.html>

MONDAY, July 12, 2004

ADMINISTRATIVE MATTERS

Mr. Robert Grow, Chair of 802.3 CSMA/CD Working Group, called the meeting to order at 1:05PM. Mr. Grow introduced Mr. David Law, Vice Chair of 802.3, and Mr. Steve Carlson, Secretary of 802.3. Mr. Howard Frazier, Chair of the 802.3ah Task Force was also introduced, along with Brad Booth, Chair of the 10GBASE-T TF, Adam Healey, Chair P802.3ap Backplane Ethernet, David Cunningham, Chair of P802.3aq 10BASE-LRM, Ben Brown, Chair of Congestion Management SG, and Kevin Daines, Chair of the Frame Extension Ad Hoc..

Mr. Grow then had the attendees stand and introduce themselves to the group. Mr. Grow reminded the group that there is an ANSI policy regarding affiliation. Participants must state their affiliation to the Working Group.

Mr. Grow asked if there were any additions or corrections to the agenda. The presenters for the CFI are Richard Brand, and Ben Brown for Congestion Management. The TIA liaison requested their report be delayed until later in the meeting. These corrections were made to the agenda.

MOTION

Approve to the agenda as modified

http://www.ieee802.org/3/minutes/jul04/0704_open_agenda.pdf

Moved: B. Booth

Seconded: S. van Doorn

Agenda was passed by acclamation (voice vote).

Documents: See http://www.ieee802.org/3/minutes/jul04/0704_open_report.pdf. 802.3 must do a major revision to incorporate all amendments.

Published Standards

802.3 -2002

802.3ae -2002

802.3af - 2003
802.3aj –2003
802.3ak-2004
1802.3 Conformance Doc

Mr. Grow presented his Opening Report:

http://www.ieee802.org/3/minutes/jul04/0704_open_report.pdf

Mr. Grow suggested the use of the IEEE email alias service to keep contact info current. To maintain voting status, contact information must be up-to-date.

Attendance Books

Mr. Carlson explained the operation of the Attendance books for new voters and established voters. Voters were cautioned that they would be subjected to public humiliation if they failed to follow the instructions. Mr. Grow explained how to gain membership in 802.3. See <http://grouper.ieee.org/groups/802/3/rules/index.html> for complete information.

Simple answer: to maintain your voting membership: We need your email address and affiliation! Otherwise, you are out!

Mr. Grow explained about paying the registration fees and that that your registration as a voter includes the 802.3-200X CD-ROM. Mr. Grow forcefully explained that registration and the fee is mandatory. “We know who you are.”

Please see http://www.ieee802.org/3/minutes/jul04/0704_open_report.pdf for voter lists.

These individuals responded Monday: Amer, Khaled; Beliaev, Alexi; Boucino, Thomas J.; Cates, Ron; Chou, Joseph; Cornejo, Edward; Cunningham, David; D’Ambrosia, John; Dabiri, Dariush; Ensign, Brian S.; Ghiasi, Ali; Goergen, Joel; Kasai, Yuji; Kim, Yong; Koyama, Tetsu; McCallum, David S.; McConnell, Mike; Mueller, Wayne A.; Muth, Jim; Pepeljugoski, Petar; Plunkett, Timothy R.; Rybinski, Valerie; Seeman, Brian; Seki, Katsutoshi; Spagna, Fulvio; Sparrowhawk, Bryan; Takahashi, Eiichi; Telang, Vivek; Von Herzen, Brian.

Interim Meetings:

Long Beach, CA: May 2004 – All 802.3 TF and SG met in Long Beach on May 24 - 28, 2004.

Executive Report

Please see http://www.ieee802.org/3/minutes/jul04/0704_open_report.pdf

Patent Policy

Mr. Grow and Mr. Frazier requested that Karen Kenney of IEEE and PATCOM read the IEEE Patent Policy Ms. Kenney reminded the group not to discuss territory, market share, price, ongoing litigation, threatened litigation, etc. and read the slide. Mr. Grow asked if anyone had any IP, and no one came forth. Mr. Grow requested that the reading of the Patent Policy be entered into the minutes, and is so noted here. Mr. Carlson assured Mr. Grow that the fact that Karen Kenney read the Patent Policy was clearly indicated in the minutes. Mr. Thompson commented on the readability (or lack of thereof) of the slides. Please see http://www.ieee802.org/3/minutes/jul04/0704_open_report.pdf

PARS

Please see http://www.ieee802.org/3/minutes/jul04/0704_open_report.pdf

IEEE 802.3- 802.3ar “Frame Format Extensions”
(http://www.ieee.802.org/3/frame_study)

IEEE P802.11T

Mr. Thompson commented about 802.11’s use of a capital “T” to signify a recommended practice. This is a bad idea, he says.

A PAR for a proposed new working group, 802.22 was presented:

“Information Technology -Telecommunications and information exchange between systems – Wireless Regional Area Networks (WRAN) - Specific requirements - Part xx: Cognitive Wireless RAN Medium Access Control (MAC) and Physical Layer (PHY) specifications: Policies and procedures for operation in the TV Bands. “

There were questions about procedure, specifically on how this was sent to the SEC. Mr. Nikolich claims that it was sent to the members of the SEC, but not to the reflector. Mr. Thompson says that any proposal for a PAR is official business of the SEC, and should not be conducted outside the SEC email reflector archive. This is not doing business in an open matter. Mr. Grow agrees. Mr. Frazier has a list of comments and requested that 802.3 allow him to present them and approve them so he can take them back to the SEC.

It was not clear to 802.3 what 802.22 was intended to accomplish. Mr. Nikolich explained that it creates a regional LAN that uses the unused TV spectrum to provide data services in rural areas. The radios are “cognitive,” which means that they determine what area of the TV spectrum to use by analyzing the RF environment of the area.

Mr. Frazier presented his comments: < frazier_010704.pdf >

There was considerable discussion about distinct identity and the meaning of “cognitive radio.” The sense within 802.3 is that this project came in under the radar of 802. Mr. Nikolich claims that this work was not under the radar. Mr. Thompson believes that this is major new work. Why have we not seen a tutorial? This is a BIG project. Nikolich claims that it was his fault that no tutorial was provided.

MOTION #1

Move that Howard Frazier’s comments (WRANcomments.pdf) be accepted by 802.3 and forwarded to the SEC as official

Move: H.Frazier

Second: T. Mathey

Mr. Thompson made a friendly amendment to add to comment 1.

Motions carries by acclamation at 2:44PM

The group requested that Mr. Frazier’s comments be sent to the 802.3 reflector. This was done at 2:54PM, in spite of the poor performance of the IEEE network. See < frazier_010704.pdf >

Break for 15 minutes at 2:34PM. Restarted at 2:51PM

Liaison Reports

See <http://grouper.ieee.org/groups/802/3/liaisons/index.html>

TR42.7 – Val Rybinski
TIA TR-42.7 Liaison to IEEE 802.3

SC25/WG3 – Alan Flatman
ISO/IEC SC25/WG3 report

F0-4.1 – Paul Kolesar

T11.2 and SFF– Shelto van Doorn –T11.2 and SFF Report

ITU-T SG 13 - The EFM Ad Hoc will respond

ITU-T SG15 – Frame size changes, protocol processing order (802.1) Sent to Frame Size Ad Hoc

802.1 Report – Richard Brand

Frame Size: Joint Technical Plenary Wednesday at 10:30AM-12:30PM with 802.1.

State of the Standard

Mr. Law reported on the state of the standard

http://www.ieee802.org/3/minutes/jul04/0704_state_of_std.pdf

Operating Rules of 802.3

Mr. Law reported on the Operating Rules of P802.3. The latest updates may be found at

<http://grouper.ieee.org/groups/802/3/rules/index.html>

Maintenance

Current maintenance requests are in

http://www.ieee802.org/3/minutes/jul04/0704_maint_open_report.pdf

P802.3REVam: The consolidated edition will go to WG ballot in several weeks. Mr. Law requested that each clause be “adopted” by one or more experts for proofreading. Mr. Frazier suggested that 802.3 adopt a motion on Thursday that carefully spells out how we intend to propose changes to the entire standard. He pointed out that some so-called minor issues (font substitution in equations) had not been discovered until the print copies were compared and that fixing these issues took 40 or 50 man-hours.

Mr. Carlson supported his position and indicated that the amount of work (and the potential to create many more errors) while doing the consolidated edition would be high unless some guidelines on the scope of changes were adopted.

Interpretations

Three new requests are detailed in

http://www.ieee802.org/3/minutes/jul04/0704_interp_open_report.pdf

P802.3ah-2004 EFM Final Report – Howard Frazier

http://www.ieee802.org/3/minutes/jul04/0704_ah_final_report.pdf

Mr. Frazier recognized the key contributors to P802.3ah and presented them with Lucite plaques.

Mr. Grow requested that the TF and SG reports be as brief as possible in order to make up the time lost earlier in the meeting.

802.3 10GBASE-T TF Opening Report – Brad Booth

http://www.ieee802.org/3/minutes/jul04/0704_an_open_report.pdf

Backplane Ethernet TF – Adam Healey

http://www.ieee802.org/3/minutes/jul04/0704_ap_open_report.pdf

10GMMF TF – David Cunningham

http://www.ieee802.org/3/minutes/jul04/0704_aq_open_report.pdf

Congestion Management SG – Ben Brown

http://www.ieee802.org/3/minutes/jul04/0704_cmsg_open_report.pdf

Frame Extension – Kevin Daines

http://www.ieee802.org/3/minutes/jul04/0704_fesg_close_report.pdf

Mr. Dineen is concerned about process. Why have we not had a CFI? Mr. Grow reminded him that the announcement email indicated that this ad hoc would serve as the CFI. Mr. Frazier is worried about the impact on existing networks of larger frames. He asked if any work has been done to see if the desired objective can be met by some other means.

Mr. Daines apologized for jumping the gun and giving the appearance of having an approved project.

CFI – Richard Brand “Residential Ethernet”

Mr. Brand gave a quick overview and invitation to attend the CFI at 6:30PM Tuesday.

Room Assignments and TF Schedules

Mr. Law presented the room assignments for additional meetings.

Motion to adjourn by at 6:04PM. Passed by acclamation.

Moved by: H. Barrass

**IEEE 802.3 CSMA/CD PLENARY
Hilton Hotel, Portland, OR
July 12 - 15, 2004**

THURSDAY, July 15, 2004

ADMINISTRATIVE MATTERS

Thursday, July 15, 2004 1PM – 5PM

Mr. Grow called the meeting to order at 1:02PM. The agenda was distributed to the group. Mr. Grow asked if anyone wished to modify the agenda. David Law requested that Maintenance and Interpretations be moved to the end. Mr. Carlson ran through the attendance books and lectured people about signing.

Motion to approve agenda:

M: Daines S: Dineen

Passed by acclamation 1:05PM

Mr. Grow displayed the current 802.3 voters list. He then displayed the potential voters list and ran through it.

The following individuals indicated they wished to become 802.3 voters: Amin, Natish; Hegde, Gopal; Higuchi, Tetsuya; Koziuk, Glen; Rodensky, Michael; Srodzinski, David; Swenson, Norman; Twu, Bor-lomg; Yoon Chong Ho

Liaison and Ad Hoc Reports

See the individual TF Websites and the main 802.3 liaison Web archive:

<http://grouper.ieee.org/groups/802/3/liaisons/index.html>

EFM – Mr. Frazier ran through the final set of outgoing liaison letters.

Both letters were approved by 802.3 for transmission.

Response to 802.22 PAR Issues – Carl Stevenson attempted to defend the process used by 802.18 to circulate the PAR for the formation of 802.22. Mr. Frazier and Mr. Thompson expressed their dissatisfaction with the fact that the announcement was not sent to the EC reflector, but rather to the individual member's email address. Mr. Frazier stated that he changed his email address properly to the reflector, the EC chair, and the EC secretary. Mr. Stevenson stated that he felt that proper procedure had been followed.

Mr. Frazier stated that the defense that doing the minimum required is not in the spirit of 802. The formation of a new working group is a MAJOR issue for 802. In particular, the lack of a tutorial was a major omission. Mr. Stevenson stated that the FCC issued an

NPRM (Notice of Proposed Rulemaking) order that forced their timeline. Mr. Grow stated that he believes that broad exposure to the working group has not happened.

Mr. Frazier stated that 802 needs to create an architecture for cognitive radio, rather than a specific standard just for the TV band. Mr. Stevenson responded that their charter was to produce a specific solution, not a general one that “does not trash the broadcast band.”

Mr. Frazier explained that the differentiation in 802 is the MAC, not the PHY. He asked if the existing 802.16 MAC had been researched, and was told that it was deemed unsuitable. Mr. Stevenson indicated that perhaps this effort is not as mature as it should be, but that there is market pressure to move forwards.

Data Center Cabling – Paul Kolesar presented the response to ISO/IEC JTC 1 / SC25/WG 3. The letter was approved to be sent with no changes.

Industrial Ethernet - Paul Kish presented the response letter. Terry Cobb asked that the technical paragraph be removed. Pat Thaler explained why the ad hoc had included it in order to be more responsive. Alan Flatman supported the inclusion. The letter was approved be sent as written.

MAINTENANCE – David Law P802.3REVam

http://www.ieee802.org/3/minutes/jul04/0704_maint_close_report.pdf

MOTION#1

MAINTENANCE TASK FORCE FOR P803.3REVam

Recognizing the inherent risk of introducing errors in a large and complex document that serves the vital interests of a large industry, the IEEE 802.3 CSMA/CD Working Group respectfully requests that:

Comments submitted during working group and sponsor balloting on IEEE Draft P802.3REVam be limited to requesting only essential changes to correct technical errors in IEEE Std 802.3 and approved amendments, and ensuring that the integration of those amendments is technically correct.

This non-binding resolution be distributed along with the balloting instructions for IEEE Draft P802.3REVam.

M: Frazier

S: Thaler

Tech >= 75%

Y: 16 N: 0 A: 2

July 14, 2004 1:58PM

MOTION #2

IEEE 802.3 authorises IEEE P802.3REVam/D1.0 to be forwarded to Working Group Ballot.

IEEE 802.3 authorises the IEEE P802.3REVam Task Force to conduct meetings and recirculation ballots as necessary to resolve comments received during the Working Group ballot.

IEEE 802.3 requests that the 802 LMSC Executive Committee requests formation of a P802.3REVam Sponsor ballot group for IEEE P802.3REVam.

M: Law S: Mathey Tech 75%

PASSED Date: 7-15-2004 2:22PM 802.3 voters

Y: 65 N: 0 A: 0

INTERPRETATIONS – David Law

http://www.ieee802.org/3/minutes/jul04/0704_interp_close_report.pdf

MOTION #3

IEEE 802.3 approves the proposed Interpretation responses to Interpretation requests 1-07/04, 2-07/04 and 3-07/04 as presented without the need for a 30 day letter ballot.

M: David Law S: Steve Carlson Tech 75%

PASSED Date: 7-15-2004 2:38PM 802.3 voters

Passed by acclamation

Task Forces

P802.3an 10GBASE-T – Brad Booth

MOTION #4

Move that 802.3 approve and forward the two liaison letters, with appropriate edits by the Chair, to TIA TR-42 and ISO/IEC 11801 JTC 1/SC 25/WG 3.

TIA TR42: tia_1_0704.pdf

ISO/IEC: iso_1_0704.pdf

M: Brad Booth S : Paul Vanderlaan 75% TECH

PASSED Date: 7-15-2004 2:10PM 802.3 voters

Y: 44 N: 6 A: 17

MOTION #5

Motion to postpone Brad's motion (Motion #4)

M: Terry Cobb S: Luke 75% TECH

PASSED Date: 7-15-2004 3:12PM 802.3 voters

Y: N: A:

The question was called on the motion to postpone. The motion was voted by voice, with the NAY's having it. Brad's motion is under discussion.

The floor was yielded to Terry Cobb, who made the following motion:

MOTION #6

That 802.3 instruct the 802.3an Task Group to adopt the requirements specified in the New Work Item Proposal in the ISO liaison document ISO/IEC JTC1/SC25/WG3N711 dated 2004-7-3 instead of the requirements defined in the TIA draft Technical System Bulletin that were adopted.

M: Terry Cobb S: Richard Mei 75% TECH

FAILS Date: 7-15-2004 3:20PM 802.3 voters

Y: 7 N: 32 A: 26

Terry Cobb indicated that it is more appropriate to adopt an ISO standard. Sterling Vaden spoke against the motion, indicating that the ISO standards are not finalized and subject to change in January 2005. It would not be in 802.3's best interest to adopt them. Mr. Wayne Larson spoke in favor of the motion. He indicated that the ISO document would be appropriate and that the status is the same as the TIA document. Since we asked ISO to do the work, it would be impolite to reject their work. Another commenter indicated that politeness is nice, but that the TF discussed this issue in depth and concur with Brad Booth. Chris DiMinco indicated that the ISO document is considered immature by Alan Flatman, the 802.3 liaison. Mr. Larson responded that the ISO document was approved by the ISO WG.

Mr. Booth called the question. The AYE's have it.

P802.3ap Backplane Ethernet – Adam Healey

http://www.ieee802.org/3/minutes/jul04/0704_ap_close_report.pdf

MOTION #7

Move that 802.3 approve the amended Backplane Ethernet 5 Criteria (Distinct Identity) and Objectives

M: Adam Healy on behalf of the Task Force

S: N/A

Date: 15-July 2004 3:39PM 802.3 voters Tech 75%

Y: 56 N: 0 A: 3 MOTION PASSES

Question from the floor about indenting of slide.

P802.3aq 10GBASE-LRM – David Cunningham

http://www.ieee802.org/3/minutes/jul04/0704_aq_close_report.pdf

Congestion Management Study Group – Ben Brown

http://www.ieee802.org/3/minutes/jul04/0704_cmsg_close_report.pdf

MOTION #7

Move that 802.3 extend the Congestion Management Study Group

M: Ben Brown

S: Brad booth

Date: 15-July 2004 4:06PM 802.3 voters Proc 50%

Y: 46 N: 10 A: 10 MOTION PASSES

Mr. Thompson suggested that this work is not really in scope, and seems much like rate management, which was deprecated in EFM. Mr. Dineen indicated that the value of these protocols is not worth the cost of implementation. Shimon Mueller felt that the participation in the SG is not nearly as many as indicated in the CFI. Is there really market potential?

The question was called and the motion passed.

Frame Expansion CFI/Ad Hoc – Kevin Daines

MOTION #8

Move that 802.3 extend the IEEE 802.3 Frame Expansion Study Group

M: K. Daines

S: S. Mueller

Date: 15-July 2004 4:23PM 802.3 voters Proc 50%

Y: 45 N: 0 A: 4 MOTION PASSES

A liaison letter was presented. Mr. Grow asked if there was any objection to sending this letter out, and none was received.

Residential Ethernet CFI – Richard Brand

MOTION #8

Request the 802.3 form a Residential Ethernet Study Group to develop a PAR and Criteria and objective.

M: Richard Brand

S: Khaled Amer

Date: 15-July 2004 4:36PM 802.3 voters Proc 50%

Y: 41 N: 7 A: 10 MOTION PASSES

Other Business

Mr. Grow had some questions with regard to the on-site network provided for the 802 meeting.

Was the network usable when you needed it? 1 yes

How many people paid \$10 for the hotel network because the IEEE network was not usable? 19 yes

How many people had to go to dial-up due to network problems? 8 yes

How many people believed their productivity was impacted by the network problems? 73 yes

How many people were satisfied with the room logistics? 8 yes

How many were dissatisfied? 46 yes

Most people felt that poor logistics at the Embassy Suites was a greater problem then the distance between the hotels.

Future Meetings

No solid meeting info as yet, but we are committed to the week of 27 September 2004 It might be possible to move congestion management and frame expansion to the 802.1 meeting in Ottawa in first week of October.

Motion to adjourn by Hugh Brass at 5:24PM.