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Unconfirmed Minutes
IEEE 802.3 CSMA/CD PLENARY
Hyatt Albuquerque, Albuquerque, NM
November 10 -14, 2003

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http://www.ieee802.org/3/minutes/nov03/index.html

MONDAY, November 10, 2003

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 Study Group, and Dan Dove, Chair of the 802.3ak Task Force.

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. None were indicated.

MOTION
Approve the agenda <Attachment A2 - 802.3 Opening Agenda>. Inquire as to liaison reports.

Moved: Dineen
Seconded: Booth

Agenda was passed by acclamation (voice vote).

Mr. Grow presented his Opening Report <Attachment A1 - 802.3 Opening Report>.

MOTION

Approve the 802.3 minutes from July 2003

M: Dineen   S: Carlson

PASSED by acclamation (voice vote)

Published Standards

802.3 -2002
802.3ae -2002
802.3af - 2003
1802.3-2001

Plaque Awards: David Law, Bob Grow, Steve Carlson, Catherine Berger for 802.3aj

The IEEE 802 CDROMS, which are handed out at the November Plenary, are given to voters in good standing in 802.3. If you have any questions, please contact Mr. Grow.

There is a Web page to signup for book distribution for P802.3ae and P802.3af. There was a discussion of Web-based distribution, i.e. direct access to a PDF copy. Several comments came from the floor requesting that the time from sign-up to fulfillment be reduced. The agreement with the IEEE is to process one list when sign-up closes, not a drip-feed of addresses as they are submitted.

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 we cautioned that they would be subjected to public humiliation if they failed to follow the instructions.

Mr. Grow explained about paying the registration fees. Mr. Grow explained that your registration as a voter includes the 802.3-2002 CD-ROM, which includes 802.3ae. Mr. Grow forcefully explained that registration and the fee is mandatory. "We know who you are."

Voters' lists:
Removal List
Voters List
Potential Voters:
These individuals responded Monday: Andriaessens Luc, Bohbot Michael, Keonen David J., Nisimura, Shinji, Toyado Hidero, Tung Tai-Lai, Vanderlan Paul Z.

Interim Meetings:

Ancona IT: 15-19 September 2003 802.3ah and 10GBASE-T SG
Sacramento CA: 25-26 September 2003 802.3ak
Ottawa, CA 14-15: October 14-15 2003 802.3ak

Mr. Grow discussed the difference between an amendment vs. a revision. The new IEEE rules require a full revision once the limit of 4 amendments has been reached. 802.3 will be there in 2004.

Mr. Grow also discussed P1394c and there use selector fields for auto-negotiation. The discussion from the group indicated that this function should be part of the IEEE (RAC?) to avoid confusion.

Executive Report

Please see <Attachment A1 - IEEE 802.3 Opening report>

The size of 802 is causing administrative and functional problems. The possibility of splitting 802 into wireline and wireless is being discussed.

Patent Policy

Mr. Grow read the IEEE Patent Policy <Attachment A4 - IEEE Patent Policy> Mr. Grow asked if anyone had any IP, and no one came forth. Mr. Grow reminded the group not to discuss territory, market share, price, ongoing litigation, threatened litigation, etc. and read the slide. Mr. Grow requested that the reading of the Patent Policy be entered into the minutes, and is so noted here.

PARS

Please see <Attachment A1 - IEEE 802.3 Opening report>

Liaison Reports

TR42 – Val Rybinski
<Attachment C2 - TIA TR-42 Liaison to IEEE 802.3>
<Attachment C6 - TR-42 Liaison to IEEE 802.3 on 10GBASE-T>

SC25/WG3 – Alan Flatman
< Attachment C1 - ISO/IEC SC25/WG3 report>
< Attachment C5 - ISO/IEC JTC 1/SC 25/WG 3 Liaison report to IEEE 802.3 on electromagnetic performance of balanced cabling and performance of Class E and Class F channels>

FO2.4 – Steve Swanson
< Attachment C3 - FO-4.2.1 Working Group on Modal Working Group on Modal Dependance of Multimode Fiber Dependance of Multimode Fiber Bandwidth Bandwidth - Update - Scalability >

T11.2 and SFF– Shelto van Doorn
< Attachment C4 - T11.2 and SFF Report >

State of the Standard

Mr. Law reported on the state of the standard <Attachment A11 - IEEE 802.3 Standards status>

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

Interpretations

 New requests are detailed in <Attachment B9 - IEEE 802.3 Interpretations opening report>

Maintenance

Current maintenance requests are in <Attachment B11 - IEEE 802.3 Maintenance opening report>

Reorganizing the 802.3 Standard – Geoff Thompson

Mr. Thompson presented a proposal for reorganizing the standard to conform to the new rules regarding revisions. <Attachment B13 - Reorganizing the IEEE 802.3 Standard>

802.3ah EFM Opening Report – Howard Frazier

<Attachment B1 - IEEE P802.3ah Ethernet in the first mile Task Force opening report>

802.3 10GBASE-CX4 SG Opening Report – Dan Dove

<Attachment B3 - IEEE P802.3ak 10GBASE-CX4 Task Force final report>

802.3 10GBASE-T SG Opening Report – Brad Booth

<Attachment B4 - IEEE 802.3 10GBASE-T Study Group opening report >

Room Assignments and TF Schedules
Mr. Law presented the room assignments.

802.3af Ad Hoc for WAP cabling – Thursday 10:00AM Hyatt 2012
Industrial Ethernet - Thursday 11:00AM Hyatt 2012
Synchronous Ethernet - Tuesday 1-3PM Hyatt Sage

802.1ab review - Thursday 11:30AM
Maintenance - 9:00AM Wednesday Hyatt Sage
802.3 Restructuring - Wednesday 1PM Sage

Motion to adjourn by at 5:14 PM. Passed by acclamation.

IEEE 802.3 CSMA/CD PLENARY
Hyatt Albuquerque, Albuquerque, NM
November 11 -13, 2003

THURSDAY, NOVEMBER 13, 2003

ADMINISTRATIVE MATTERS

Thursday, November 13, 2003 1PM – 5PM

Mr. Grow called the meeting to order at 1:05PM. 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. Add no email people.

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:
Joseph Babanezhad, Howard Baumer, Kok-Wui Cheong, Larry Cohen, Sanjay Kasturia, Mei Richard Y., Olindo Savi

Mr. Grow read the IEEE Patent policy < Attachment A4 - IEEE Patent policy>

 Mr. Grow read the IEEE anti-trust policy < Attachment A5 - IEEE Anti-trust policy >

Liaison and Ad Hoc Reports

Synchronous Ethernet – Bob Grow
Meeting was held on Tuesday at 1:00PM. Mr. John Gildred from Pioneer made presentation based on the work done by Gibson Labs. About 25 people were in attendance. The group is working towards a CFI to 802.3 at a future meeting.

WLAN Cabling – Bob Grow
Meeting was held at Thursday 10:00AM. The ad hoc made this recommendation to the 802.3 Chair:

MOTION #1

Direct the 802.3 Chair to place a liaison item on the SEC agenda to submit comments to ISO IEC TR 24704 ("Customer premises for wireless access points"), and to notify the IEEE 802.11, 15, 16 Chairs of the this item with the intentions of generating comments to be submitted to the US TAG for SC25/WG3 not later than the closing date in support of the INCITS ballot scheduled to commence mid-December, 2003.

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M: Thompson          S. Carlson

Y:      N:      A:

Passes by acclamation (voice vote)

75% technical 1:20PM

PASSES
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Report on Industrial Ethernet – Bob Grow
802.3 is awaiting a response from TR-42 to the 802.3 response letter.

Report on 802.1ab – There was a schedule conflict with 802.1 and no meeting was held.
Richard Brand indicated that 802.3 would get a report from 802.1 at the March Plenary
meeting. Richard Brand summarized what 802.2ab is: Station and Media Access Control
Media Discovery (topology discovery) Howard Frazier asked if Mr. Grow wanted to
educate them on FDDI station addressing.

802 Reorganization – Howard Frazier
Geoff Thompson said that this is a serious issue and we need to treat it as such. Mr.
Frazier indicated that the status quo was not an option based on the proposals. There are
issues with logistics (contracts, hotels, etc.) David Law asked about whether this included
overflow hotels.

Mr. Frazier and Mr. Dove asked that their time slots on the agenda be swapped and the
group agreed.

802.3ak TF – Dan Dove
< Attachment B3 - IEEE P802.3ak 10GBASE-CX4 Task Force final report >

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MOTION #2

Motion:
Affirm this week's votes of the 802.3ak task force and request conditional approval by
802 SEC for submittal to RevCom per procedure 10.


M: Dove        S: Thaler

Y: 73   N: 0    A: 1

802.3 voters Technical 75%

MOTION PASSES  1:47PM
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802.3ah Ethernet First Mile (EFM) – Howard Frazier
< Attachment B2 - IEEE P802.3ah Ethernet in the first mile Task Force closing report>

Wael Diab reported 82 unsatisfied TR comments from D2.0 and D2.1. Mr. Frazier displayed a spreadsheet of the voter statistics:

82 total, 27 new TR, 55 old, 565 comments, previous 1273

Pat Thaler made a motion to with regard to numbering of registers. This is to avoid making a technical change that might force another recirculation. A question was asked about whether this is technical or editorial. Pat Thaler believes that it is technical. According to the EFM clause editor, a similar motion failed in the TF. Mr. Grow indicated that he agreed to allow this in Ancona as an experiment, although he feels that it was a failure. He plans to hold to his agreement. He further indicated that he felt that it was easier to deal with address registers changing, as opposed to changing bits in the register. Mr. Barass indicated that the first change (putting the numbers in) was editorial, but changing them downstream would be technical. Ms. Thaler again stressed that this is technical, due to cross-references. Mr. Grow indicated that putting the numbers in would be viewed as a technical change regardless of whether it is done now, or at Sponsor Ballot. Mr. Mueller gave his take that this was technical since it would be beyond the scope of an IEEE editor to make the change. Mr. Frazier felt that assigning the register address prior to Sponsor Ballot was the best way to move forward and that it would be an editorial change due to the structure. Mr. Thompson said it was OK for the base address of the registered to be put in editorially and then sequenced up. A question was raised as to what the remedies were, and the TF editor gave a summary.

MOTION #3

Accept the suggested remedy for comments 99051, and the suggested remedies for 454 and 485 be accepted with editorial license for the editor.

M: Thaler   S: Booth

Date: 13-Nov-2003 2:24PM Technical 75% 802.3 voters

Y: 14 N: 21 A: 40   MOTION FAILS

MOTION #4

Authorize the 802.3ah TF chair to convene a ballot resolution committee to respond to WG recirculation ballot comments, with a waiver of the 30 day notice with 7 days advance notice.

M: Frazier   S: Simon

Date: 13-Nov-2003 2:42PM Technical 75% 802.3 voters

Y: 56 N: 0   A: 21 MOTION PASSES

MOTION #5

Request that 802.3WG seek authorization under Procedure 10 of the LMSC P&P to conduct a sponsor ballot on P802.3ah pending successful completion of the WG ballot process.

M: Frazier on behalf of the TF

Date: 13-Nov-2003 2:49PM Technical 75% 802.3 voters

Y: 57 N: 2 A: 13 MOTION PASSES

MOTION #6

Request that 802.3WG authorize the EFM Task Force to respond to comments received during sponsor ballot and conduct recirculation ballots as required.

M: Frazier on behalf of the TF

Date: 13-Nov-2003 2:51PM Technical 75% 802.3 voters

Y: 63 N: 0 A: 11 MOTION PASSES

Break for 15 minutes

10GBASE-T Study Group – Brad Booth
< Attachment B5 - IEEE 802.3 10GBASE-T Study Group closing report>

MOTION #7

Move that 802.3 approve the 10GBAST-T Objective document, per objective_1_0903.pdf

M: Brad Booth

Date: 13-Nov-2003 3:27PM Technical 75% 802.3 voters

Y: 64 N: 0 A: 7   MOTION PASSES

MOTION #8

Move that 802.3 approve the 10GBAST-T 5 Criteria, Broad Market Potential, as per 5Citeria_1_1103.pdf. with the addition of the amended text (add the word _eventually_) as shown in the presentation

M: Brad Booth on behalf of Study Group

Date: 13-Nov-2003 3:231PM Technical 75% 802.3 voters

Y: 44   N: 3   A: 17 MOTION PASSES

MOTION #10

Move that 802.3 approve the 10GBAST-T 5 Criteria,

M: Brad Booth on behalf of the Study Group

Date: 13-Nov-2003 3:27PM Technical 75% 802.3 voters

Y: N: A: MOTION PASSES

MOTION #9

Move that 802.3 approve the 10GBAST-T 5 Criteria, Broad Market Potential, as per 5Citeria_1_1103.pdf. as amended by 10GBT_closing_1103.pdf.

M: Brad Booth

Date: 13-Nov-2003 3:39PM Technical 75% 802.3 voters

Y: 56 N: 0 A: 9 MOTION PASSES

MOTION #10

Move that 802.3 approve the 10GBAST-T 5 Criteria, Compatibility, as per 5Criteria_1_1103.pdf.

M: Brad Booth on behalf of the Study Group

Date: 13-Nov-2003 3:46PM Technical 75% 802.3 voters

Y: 62   N: 0 A: 4 MOTION PASSES

MOTION #11

Move that 802.3 approve the 10GBAST-T 5 Criteria Distinct Identity, per 5Criteria_1_1103.pdf.

M: Brad Booth on behalf of the Study Group

Date: 13-Nov-2003 3:50PM Technical 75% 802.3 voters

Y: 60   N: 1   A: 5 MOTION PASSES

MOTION #12

Move that 802.3 approve the 10GBAST-T 5 Criteria Technical Feasibility, with the addition of the text added at the end: "Prior to the close of the Working Group Ballot the Task Force will demonstrate a working model."

M: Booth   S: Eisler

Date: 13-Nov-2003 3:53PM Technical 75% 802.3 voters

Y: 6   N: 45 A: 13 MOTION PASSES

MOTION #13

Move that 802.3 approve the 10GBAST-T 5 Criteria Technical Feasibility, per 5Criteria_1_1103.pdf.

M: Booth on behalf of the SG

Date: 13-Nov-2003 3:53PM Technical 75% 802.3 voters

Y: 57   N: 2   A: 6 MOTION PASSES

MOTION #14

Move that 802.3 approve the 10GBAST-T 5 Criteria Technical Feasibility, per 5Criteria_1_1103.pdf.

M: Booth on behalf of the SG

Date: 13-Nov-2003 3:59PM Technical 75% 802.3 voters

Y: 57   N: 2   A: 6 MOTION PASSES

MOTION #15

Move that 802.3 approve the 10GBAST-T 5 Criteria Economic Feasibility, per
5Criteria_1_1103.pdf.

M: Booth on behalf of the SG

Date: 13-Nov-2003 4:09PM Technical 75% 802.3 voters

Y: 56 N: 0 A: 7 MOTION PASSES

MOTION #16

Move that 802.3 WG forward the 10GBAST-T 5 Criteria to the 802 SEC for approval.

M: Booth on behalf of the SG

Date: 13-Nov-2003 4:12PM Technical 75% 802.3 voters

Y: 62   N: 0   A: 3 MOTION PASSES

MOTION #17

Move that 802.3 approve the 10GBAST-T PAR as per par_1_1103.pdf, and forward the
PAR to the SEC and NesCom for approval (please consider for approval under
continuous process.)

M: Booth   S: Eisler

Date: 13-Nov-2003 4:17PM Technical 75% 802.3 voters

Y: 64 N: 0 A: 2 MOTION PASSES

Friendly amendment by Geoff Thompson to add "continuous process." This keeps the
project moving along.

MOTION #18

Move that 802.3 approve and forward the two Liaison Letters Response letters with appropriate edits by the Chair (TIA TR-42 & ISO/IEC 11801 JTC 1/SC 25/WG3) drafted by the Cabling Ad Hoc.
-TIA TR42 : tia_1_1102.pdf
-ISO/IEC iso_1_1103.pdf

M: Booth   S: Flatman

Date: 13-Nov-2003 4:30PM Technical 75% 802.3 voters

Y: 56 N: 0 A: 1 MOTION PASSES

Note to Chair: Delete the specific designations "it may under peril from NesCom" (i.e "al.")

MOTION #19

Move that 802.3 extend the 10BASE-T Study Group

M: Booth   S: Mueller

Date: 13-Nov-2003 4:32PM Technical 75% 802.3 voters

Passes by acclamation

MOTION #20

Move that 802.3 WG permit forwarding additional 10GBASE-T approved liaison letters relating to the definition of the cabling channel to TIA- TR-42 and ISO/IEC SC 25/WG 3 after the 10GBASE-T interim.

M: Booth on behalf of the SG

Date: 13-Nov-2003 4:34PM Technical 75% 802.3 voters

Y: N: A: MOTION PASSES

Motion #20 was withdrawn.

Calls for Interest

10Gigabit on FDDI-Grade MMF – Bruce Tolley

< Attachment B6 - IEEE 802.3 Call for Interest report: 10Gb/s Ethernet on FDDI-grade MM Fiber>

MOTION #21

Move that 802.3 WG authorize the formation of a Study Group to develop a standards project proposal (PAR and 5 Criteria) for 10GBASE-T serial optics to reach 300 meters on installed, FDDI-grade MM fiber.

M: Bruce Tolley
S: David Law

Date: 13-Nov-2003 4:37PM Procedural 50% 802.3 voters

Y: 52   N: 6   A: 7 MOTION PASSES

Backplane Ethernet – Bob Grow
< Attachment B7 - IEEE 802.3 Call for Interest report: Backplane Ethernet>

MOTION #22

IEEE 802.3 authorizes the formation of the study group to develop a standards project proposal (PAR and 5 Criteria) for "Backplane Ethernet."

M: Grow
S: Thompson

Date: 13-Nov-2003 4:50PM Procedural 50% 802.3 voters

Y: 41 N: 4 A: 19   MOTION PASSES

There was discussion regarding whether this was appropriate to standardize something that is supposedly only inside a single chassis. The goal is to make standard silicon to do this job. Mr. Grow indicated that this has come in to 802 as a request. There are multiple vendors into a single card cage. A number of individuals have indicated that they would be willing to chair this effort. A number of individuals expressed support for this project.

2.5 Gb/s – Kevin Brown

< Attachment B8 - IEEE 802.3 Call for Interest report: 2.5Gb/s Ethernet>

MOTION #23

Move:

802.3 WG authorizes the formation of 2.5Gbps Study Group

M: David Koenen
S: Bruce Tolley

Date: 13-Nov-2003 5:00PM Procedural 50% 802.3 voters

Y: 17 N: 31   A: 17 MOTION FAILS

A discussion was held around the idea of setting a high bar for performance. The proposed 2.5Bb/s project will overlap 10GBASE-T and will compete for resources, for time and talent and dollars. It will fragment the market into niches. Several individuals spoke to the idea that resources WILL be an issue. Other individuals said it's a good idea, and will fill the gap between 1G and 10G. Some people like 5 Gb/s. Some people were mixed. The discussion was spirited with no clear direction.

Geoff Thompson moved to call the question. Mr. Grow asked the group to vote on calling the question, with the following vote:

Motion to call the question: 45 Y, 11 N. The question was called. Motion #23 was voted and failed.

MAINTENANCE – David Law
< See < Attachment B12 - IEEE 802.3 Maintenance closing report>

MOTION #24

IEEE 802.3 approves the PAR, with the agreed modifications, and 5 Criteria as submitted for IEEE P802.3am Maintenance Revision #8.

IEEE 802.3 request the IEEE 802 LMSC Executive Committee to submit the IEEE P802.3am PAR to MESCOM using continuous processing.

M: Law S: Carlson   Tech 75%

PASSED Date:13-Nov-2003

Y: 42   N: 0   A: 2   Time: 5:50PM

INTERPRETATIONS – David Law
< Attachment B10 - IEEE 802.3 Interpretations closing report>

MOTION

IEEE P802.3 approves the proposed Interpretation responds 1 –11/03 through 5-11/03 as presented without the need for a 30-day letter ballot.

M: David Law S: Carlson   Tech 75%

PASSED Date: 13 -Nov-2003 6:28PM

Y: 23 N: 0 A: 2

Motion to adjourn by Brad Booth at 6:30PM.