Unconfirmed Minutes
IEEE 802.3 CSMA/CD PLENARY
Albuquerque, NM
November 9-12, 1998

MONDAY, 9 NOVEMBER

ADMINISTRATIVE MATTERS

Mr. Geoff Thompson, Chair 802.3 CSMA/CD, opened the Working Group plenary at 1530, by welcoming meeting attendees and introducing Mr. David Law, Vice-Chair 802.3. Mr. Robert Grow, Secretary 802.3 was unable to attend, and Mr. Brad Booth has volunteered to take the minutes.

The meeting agenda was distributed, and the meeting attendees were asked to introduce themselves. Mr. Thompson reviewed the voting members of the Working Group (Attachment A2) and the requirements to qualify for voting membership. He presented the potential voter list, and the following individuals asked to become voting members of 802.3 (indicated by * on Attachment A3): Bourque, Gary; Dabiri, Dariush; Dickens, Erik; DiMinico, Chris; Guo, Bin; Jury, Paul; Mortonson, Robert; Pannell, Don; Sallaway, Peter; Steudler, Ronald; Tolley, Bruce. Dominico, Chris was added to the list and requested membership. This brings the voting membership to 195.

The attendance lists were explained and circulated (attendance record -- Attachment A4). All attendees were told of the obligation to register for the meeting and pay the $300 meeting fee. A discounted rate of $275 dollars is available for those preregistering. A list of future meetings and registration instructions are available through the IEEE 802 web site home page, http://grouper.ieee.org/groups/802.

Mr. Thompson explained attendance rules, the email reflectors maintained by the committee, and described information available on the web site. The Working Group web pages contain a wealth of information about 802.3. This includes the 802.3 Operating Rules, descriptions of how to subscribe to the various email reflectors, meeting minutes and an archive of presentations to the Working Group and its Task Forces. The 802.3 home page is: http://grouper.ieee.org/groups/802/3/index.html.

Document Distribution

Since the July LaJolla meeting, 802.3ac was submitted to the Standards Board for approval. 802.3ab conducted a working group ballot on draft 4.0, held an interim meeting in Austin Texas in July, and conducted a recirculation working group ballot on draft 4.1.

March and July Minutes Approval

By motion, approval of the March Irvine California minutes was deferred to this meeting because of late availability.

The minutes of the July meeting in LaJolla California with attachments were posted to the web site shortly after the meeting. Per motion of the Working Group at that meeting, electronic distribution through the web is used with email notification. Mr. Thompson emailed to the 802.3 reflector both notice of the minutes being available through the web, as well as a reminder to review the minutes prior to the meeting.

MOTION:

Approve the minutes of the March Irvine California meeting and the minutes of the July LaJolla California meeting.

M: Mr. T. Dineen, S: Mr. R. Campbell. Motion passed by acclamation.

Agenda (Monday-Tuesday)

MOTION:

Approve the agenda (Attachment A1).

M: Mr. T. Dineen, S: Mr. W. Quackenbush. Approved by acclamation.

Standards Board Report

Mr. Geoff Thompson attended the Standards Board meeting in Cannes, France. All 802.3 Working Group items before the IEEE Standards Board were approved during its September meeting. This includes IEEE Std. 802.3ac and the 802.3ad Link Aggregation PAR.

Executive Committee Report

Mr. Thompson announced the various tutorials occurring Monday and Tuesday night. Monday night's tutorials are: Broadband Wireless by Roger Marks, and Switch Silicon Interface by Colin Mick. Tuesday night's tutorials are: Home Phone Wire Networks by Matt Taylor, and IEEE 1394 (FireWire) by Michael Smith.

The 802.3 consolidated standard is to be released at this meeting. 100 copies were made available for this meeting and will only be distributed to those voters in the front of the book. Those unable to obtain a copy at this meeting, will receive a copy in the mail. CD-ROMs have been procured for all 802 voters and will be available Wednesday afternoon.

Mr. Thompson thanked Pat Thaler for her contribution to 802 and 802.3 as she leaves her position as Treasurer on the Executive Committee and will no longer be a regular 802 attendee. He also announced that Bob Grow has volunteered to become the Treasurer of 802, while maintaining his role as Secretary for 802.3.

State of Standards and Operating Rules of 802.3

Mr. David Law, Vice Chair of 802.3, reviewed IEEE Project 802.3 Working Group Standards Status (Attachment A5). He also showed a copy of the matrix showing which clauses are changed by subsequent supplements (Attachment A6). This matrix represents the current publication status of the full 802.3 standard IEEE 802.3, 1998 (the consolidated edition) and 802.3ac, 1998. Current versions of these summaries are available on the 802.3 web site.

Mr. Law also announced an 802.3 Reflector Archive at http://grouper.ieee.org/groups/802/3/reflectors.html with Username: **** and Password: ******. Password is case-sensitive.

Mr. Law then reviewed a proposed 802.3 rule change (Attachment A7) and the procedure for changing the 802.3 rules. This rule change is intended to exploit the electronic notice and document distribution capabilities that have been and are being used successfully by the Working Group and its Task Forces. It will allow notice requirements to be met by posting on the 802.3 web site and 802.3 email reflector. The proposed rule change is to be considered in the Thursday 802.3 plenary meeting.

External Liaison Report – TR-41.8

Mr. Chris DiMinico announced a TIA technical bulletin for Category 5 cabling: TSB25 including minimum requirements for 1000BASE-T. There proposed revision to 568A and 568B for gigabit operation of 50 um fiber to 500 meters. 62.5 um fiber distance is not to be improved but TIA is looking to improve 50 um fiber for longer operating distances. Mr. Thompson and Ms. Thaler expressed concern about the fact that TIA is only enhancing 50 um when the largest installed base is 62.5 um. Mr. Ben Brown proposed issuing a letter of concern to TIA. A straw poll on whether the group-at-large wants to request TIA to put in the effort for 62.5 um fiber to help our customers prolong the life of their installed 62.5 um base: Y: 26, N: 0, A: N/A. Mr. Johnathan Thatcher to head up a group to work on drafting a letter to TIA.

External Liaison Report — SC25/WG3

Mr. Alan Flatman presented the liaison report on the ISO/IEC SC25/WG3. There is a proposed amendment to Cat-5E. The Working Group is defining Cat-6 and 7 cabling. Next meeting is in Cancun, Mexico.

External Liaison Report — SC6/WG3

Mr. Thompson provided the SC6/WG3 liaison report. Mr. Gary Robinson has resigned his position in 802.3 and SC6. The consolidated 802.3 edition (IEEE 802.3, 1998) is out for fast track ballot and that ballot closes on March 10, 1999.

External Liaison Report – ATM Forum

Mr. Terry Cobb presented that the ATM Forum had a request for a liaison for cell-based ATM-GMII interface. Mr. Bill Quackenbush and Mr. Booth offered assistance to Mr. Cobb to determine the level of interaction required and whether an interpretation meeting is required for the questions submitted on the GMII interface (Attachment B1).

Internal Liaison Report – 802.1

Mr. Rich Siefert reported that 802.1Q has finished sponsor ballot with no outstanding negatives and is proceeding to RevCom.

Internal Liaison Report – 802.5

Mr. Law reported that 802.5 requested a selector field assignment. Mr. Thompson gave them one, and Mr. Law will put in a Maintenance request.

Internal Liaison Report – 802.14

Mr. Nikolich reported that 802.14 is going to Sponsor Ballot. The Working Group is also looking at HFC proposals.

PARs From Other Groups — 802.5

802.5y – Revision PAR (Attachment D1). Intent is to provide a single cohesive standard, excluding 802.5c. No issues from 802.3.

802.5z – Link Aggregation PAR (Attachment D2). No issues from 802.3.

802.5x – VLAN PAR(Attachment D3). Action Items:

1. Get someone from 802.5 to explain PAR to 802.3
2. 802.3 to formulate response by Tuesday 5pm to 802.5
3. Request that 802.3 members to 802.5 voting list, with names to be provided in March.

Other Business

Though mentioned in trade press reports, no one from Alteon has approached Mr. Thompson with a request to address jumbo frames in the Working Group. Mr. Thompson reiterated his requirement for at least 30 days notice.

Interpretation Request

Mr. Law accepted the action item to respond to questions from the IETF Hub MIB WG (Attachment B4). These questions should not be treated as an interpretation request.

Meeting adjourned at 1750.

TUESDAY, 10 NOVEMBER

ADMINISTRATIVE MATTERS

Mr. Geoff Thompson re-convened the 802.3 plenary at 0840. Mr. Brad Booth recorded the minutes. The attendance lists were circulated.

The IEEE registration authority committee will meet tomorrow 11 November at 1300. They assign addresses; and will be electing a new chair.

SC6 TAG meeting will be tomorrow 11 November at 1000.

802.3, 1998, the consolidated edition will be distributed to those that were voters when 802.3z went to ballot. The 802.3ac book will be distributed to those that were voters when 802.3ac went to ballot.

Mr. Thompson again displayed the potential voter list and asked if anyone on the list desired to become a voting member of 802.3, those requesting voter status were (indicated by + on Attachment A3): Ooka, Toshio; Swales, Alistair.

Call for Patents

Mr. Thompson reviewed the IEEE patent policy. The IEEE requests release letters from holders of patents that may apply to standards in development. These letters state the patent holder's willingness to comply with the IEEE patent policy. 802.3 also solicits information on patents that have been filed but not yet issued, since it is easier to get release letters while company representatives are active in the working group (Attachment A8). The current patent policy as well as an example response letter can be found in the IEEE Standards Companion, or on the web at http://grouper.ieee.org/groups/802/3/patent.html. No patent letters were presented, nor was there any expression from those attending of intent to submit a letter, in response to his request.

MAINTENANCE/SC6

Mr. Law reported that 1802.3 Conformance Test is up for re-affirmation. Mr. Law displayed a slide showing the very small sales of the 1802.3 Conformance Tests. If re-affirmed, the document would have to be sent to the voter list. Mr. Law expressed concern about the impact of issuing the standard to the voters if there is a lack of interest. Mr. Siefert questioned carrying the standard into the next millenium. Mr. Thompson felt that there could be an electronic re-affirmation. The standard currently exists on the July 1997 802 Standards CD, and on the soon to be released 802 Standards CD. Mr. Dineen felt that 802.3 has a responsibility of keeping this document alive for reference for others. Vote will be taken on Thursday on whether to send the 1802.3 standard to re-affirmation or to withdraw the document. Mr. Shimon Muller felt that 802.3 should re-affirm 802.3

Mr. Law showed the form for a revision request. Mr. Law or Mr. Thompson can be contacted for more information about making a maintenance request. The form will not be made available on the web site, but Mr. Law and Mr. Thompson have a URL for downloading the form.

External Liaison Report — TIA FO2.2

Mr. Don Knasel, Chair of TIA FO2.2, gave a presentation on operation of TIA. Mr. Knasel explained the current ballot schedule and that comments will be resolved at the January meeting in Maui, Hawaii. TIA FO2.2 requires a 75% consensus on technical issues, and simple majority for non-technical issues. Mr. Knasel will submit technical comments for interested (non-voting) parties. To get on the reflector which is managed by Corning, send an email to knaseldl@corning.com to request access. TIA membership information is at www.tiaonline.org and voting is by company, not by individual as in IEEE.

Mr. Thompson entered a protest on behalf of IEEE 802.3 considering that the TIA FO2.2 had a meeting with less than TIA's required meeting notice time. The TIA rejected Mr. Thompson's protest citing that the announcement had been made 2 weeks prior to the meeting, thereby satisfying the TIA's required meeting notice time. Mr. Thompson requested Mr. Knasel to come in and present TIA FO2.2 information to 802.3.

Mr. Dan Dove asked if someone was to sign up now, could they vote at the next meeting. Mr. Knasel replied in the affirmative. Mr. Knasel informed 802.3 that the company membership list is on the TIA web site.

Mr. Dove questioned whether there has been any testing on the interoperability between 1300nm and 850nm devices. Mr. Knasel responded that Mr. Howard Frazier has raised this issue before and that there has been no real testing done. Ms. Thaler stated that linking a 850nm and 1300nm device in her experience has allowed both devices to assert signal detect.

LINK AGGREGATION TASK FORCE (802.3ad)

Mr. Steve Haddock, Chair 802.3ad, reported on the progress of the Task Force (Attachment F1). Overall objectives: cutoff for new proposals, refine proposals. The group held an interim meeting in September in Austin, Texas. The group is looking to release a draft for the March Plenary. The group is also looking for a sponsor for a January interim meeting. Big ticket items: Specification of Distributor frame ordering constraints, Architectural Model, Addressing, Dynamic Key modification rules, Selection rules, MAC addresses in LA Control frames, Extensibility of LA Control frames, and Managed objects for LA Control and "logical MAC".

Mr. Thompson requested that a proposal be presented to 802.3 on Thursday.

1000BASE-T (802.3ab)

Mr. George Eisler, Chair 802.3ab, reported on the progress of the Task Force (Attachment E1). The group held an interim meeting in September in Austin, Texas to resolve comments for D4.0. The resolved comments were incorporated into D4.1, which was submitted for re-circulation ballot. The group plans to resolve all the comments (approximately 100) on D4.1, and expects to request 802.3 to approve going to sponsor ballot on Thursday. The group hopes to have the 1000BASE-T Standard ready for RevCom in March 1999.

Mr. Thompson stated that there is a high probability that the timeline for 802.3ab may not permit them to meet the March 1999 date. Mr. Siefert echoed Mr. Thompson's concern. Mr. Colin Mick informed 802.3 that 802.3ab sponsor ballot will be an electronic ballot. Mr. Siefert asked if there was the possibility for requesting a paper ballot. Mr. Thompson stated that there was no letter of protest to the electronic balloting received with the initial paper invitation.

ADMINISTRATIVE MATTERS

Mr. John Payne questioned the increase of meeting costs, especially considering that we are doing everything possible to decrease the cost for the IEEE. Mr. Thompson explained that the meeting fees went up to cover the costs of purchasing A/V equipment. Ms. Thaler explained the budget and expressed the expectation that after this meeting, the cost for meeting attendance would be $250 for pre-registering and would remain at $300 for on-site registration.

VLAN TAG (802.3ac)

Mr. Thompson presented IEEE Std. 802.3ac-1998, a supplement to IEEE Std. 802.3, 1998. Mr. Thompson introduced Ms. Kristin Dittman, our IEEE representative for publishing the standards.

PARs From Other Groups — 802.1

Mr. Thompson presented the 802.1r PAR to define a new GARP application, making use of and expanding the GARP in 802.1D (Attachment D4). 802.3 expressed no issues with the 802.1 PAR. The 802.1 WG maintains current copies of its PARs on its web site.

ADMINISTRATIVE MATTERS

General mayhem ensued with the distribution of IEEE Std. 802.3, 1998, the consolidated book (aka the doorstop). The general mayhem repeated with the distribution of the 802.3ac supplement book.

Gigabit Ethernet (802.3z)

Mr. Thompson presented plaques to 802.3z editors for their outstanding contribution.

Mr. Thompson received an IEEE newsletter reporting that IEEE 802.3z had been nominated in the 15th Annual "PC Magazine" Awards for Technical Excellence. This is the first time in the awards' history that a standard has been nominated.

ADMINISTRATIVE MATTERS

The Tuesday afternoon and Wednesday meeting schedule for Task Force, Study Group and Ad Hoc groups was established.

Rules changes will be held in Pavilion 4 at 1700 today.

802.3 was recessed at 1125.

THURSDAY, 12 NOVEMBER

ADMINISTRATIVE MATERS

Mr. Geoff Thompson, Chair 802.3, opened the Working Group closing plenary at 0830 and welcomed those attending the meeting. Mr. Robert Grow took the minutes for this plenary session, and expresses his gratitude to Mr. Brad Booth for recording the minutes for Monday and Tuesday. The attendance lists were circulated.

MOTION:
Approve the agenda. (Attachment A9)

The agenda was accepted and approved without objection.

The potential voter list was again presented, and the following individuals asked to become voting members of 802.3 (indicated by > on Attachment A3): Zhang Jing-fan;

Van-Mierop, Dono. The voter list was also presented for inspection, and attendees were reminded that only voting members were allowed to vote on motions.

Input on Executive Matters: 802.3 Position on 802.5 and 802.1 PARs

The three 802.5 PARs discussed Monday will come up for approval in the Executive Committee. There was no opposition to Mr. Thompson voting for the Revision/Consolidation (802.5y) and Link Aggregation PARs (802.5z). The Source-Routing VLANs PAR (802.5x) is not clear in its scope and purpose. There was no objection to Mr. Thompson using his judgement in voting or abstaining on the PAR.

There was no objection or additional comment on the 802.1r PAR and Mr. Thompson will vote to approve.

Mr. Thompson noted that the extension of the QOS/FC Study Group is going to be brought up at the Executive meeting. Working Group concerns will be addressed in a separate agenda item.

The 802.11 Wireless group is expected to make a request to extend the study group on Personal Area Networks. It is also expected that there will be a request for a Broadband Wireless Access Study Group. It is possible that this will be an Exec sponsored study group because of limited interest within 802.11 for the project. Discussion followed on where such a project belongs. While wireless transmission is clearly in the expertise of 802.11, the physical span is much smaller than that of 802.11.

MOTION:

Mr. Thompson to support establishment of a study group.

   M: Mr. R. Seifert   S: Mr. A. Flatman
   Approved by voice vote.

Mr. Thompson described a proposal to change the operating rules of 802. Objection was raised to a ballot within 802.11 that did not meet the timing specified in the current rules. Mr. Thompson asked for the Working Group's position on the matter. Mr. Seifert described the concern of some expressed on the 802.11 reflector about initiating a Working Group Ballot through an electronic letter ballot initiated by the WG Chair without a meeting to review the draft to be balloted. Others also expressed concerns about the proposal, and that it should include response and audit requirements on electronic ballots. Mr. Thompson indicated that he would support similar requirements to those used for the Executive Committee ballots.

The 802.9 Working Group will be going into hibernation.

Book Distribution

Mr. Law reviewed the requirements for receiving a copy at the meeting of IEEE Std. 802.3, 1998 and supplement IEEE Std. 802.3ac-1998.

Operating Rules

Mr. Law again reviewed the proposed rules change #1 (Attachment A7) regarding meeting notice requirements. He indicated that the committee had options to approve, disapprove or submit to letter ballot.

TECHNICAL MOTION:

That 802.3 approves the proposed Rules revision as presented without a 30 day WG letter ballot.

> M: Mr. R. Grow, S: Mr. R. Siefert
> Y: 47   N: 0   A: 4   Approved.

Mr. Thompson expressed concern about the trend toward very late Calls for Interest in Study Groups. Mr. Law will post a proposed rules change (Attachment A10) for consideration at the next meeting. Mr. Thompson expressed the intent to conduct business this way based on ANSI rules governing maintaining an open process while the Working Group considers formalizing the procedure in the 802.3 rules.

Reaffirmation of 1802.3, 1802.3d

Mr. Law and Mr. Thompson reviewed the status of the documents. 1802.3 is the base document for 1802.3d. 1802.3d includes changes that have been merged into 802.3, 1998.

TECHNICAL MOTION:

That 802.3 approves the reaffirmation of 1802.3. In addition 802.3 request that this reaffirmation is carried out using the IEEE's electronic balloting process.

> M: Mr. B. Booth, S: Mr. T. Dineen
> Y: 48   N: 2   A: 2   Approved.

A motion for reaffirmation of 1802.3d was proposed and discussed. It was noted that because the document includes changes to the base document, dates could be confusing. It would be possible to start a PAR to fix this and remove the portions that have been merged into 802.3. Comments were also made that notes should be added indicating the obsolete nature of portions of the document.

TECHNICAL MOTION:

That 802.3 approves the reaffirmation of 1802.3d. In addition 802.3 request that this reaffirmation is carried out using the IEEE's electronic balloting process.

> M: Mr. B. Booth, S: Mr. T. Dineen
> Y: 45   N: 2   A: 9   Approved.

Letter to TIA chair

Mr. Thompson presented a proposed letter to the chair of TIA regarding future work on multimode fibers (Attachment A11).

MOTION:

Send the proposed letter to the TIA chair.

   M: Mr. T. Dineen, S: Mr. W. Quackenbush
   Y: 46 N: 1 A: 11 Approved.

Response letter to ATM Forum on GMII

Mr. Brad Booth presented a draft response (Attachment B2) to a series questions on the GMII submitted by the ATM Forum. The questions are very detailed, and the intended use is beyond the scope of the intended operation of the GMII. Multiple comments were expressed that the 802.3 Working Group should not take a formal position on the responses, primarily because many of the answers are dependent on the PHY implementation rather than the GMII specification. It was suggested that the detailed response could be sent as the opinion of experts rather than a formal opinion of the committee.

MOTION:

Respond to the ATM Forum Liaison letter with the following:

- 802.3z specifies the use of the GMII and PMD in the context of packet traffic.

- 802.3 can not state what the operation of these devices will be under continuous data.

- We are forwarding the attached responses from some experts.

- We would be willing to post a meeting announcement on our reflector to assist you in getting participation of relevant experts.

  M: Ms. P. Thaler, S: Mr. T. Cobb
  Y: 60 N: 0 A: 0 Approved.

The revision of the letter in accordance with this motion is attached (Attachment B3).

Letter to HPNA on use of Ethernet MAC

It was suggested that a letter be sent indicating concerns about the technical reliability of the proposed use of Ethernet in home networks. Some indicated that there are many applications of Ethernet MACs that are not within the purview of the Working Group. Others felt a response was necessary in that a presentation had been made on the proposed use. There was some disagreement on the extent to which the presentation on HPNA asked for anything from 802.3. Those hearing a request for close cooperation supporting a response and those that did not supporting none.

A motion was proposed to have an ad-hoc group draft a letter. In response to the question if any WG members were from HPNA sponsoring companies and also supporting the motion, the mover indicated that he qualified and felt it would be helpful. Many opinions were expressed on details and desired content of the letter.

MOTION:

Form an ad-Hoc committee of volunteers to draft a letter to the Home PNA organization:

1. Expressing concerns about the technical viability of their physical layer and system issues of 802.3 MACs (and upper layers) operation with the high bit-error rate presented at your tutorial.

2. Requesting more information about the results of simulations, field tests or other supportive analysis.

   This letter to be drafted and sent to HPNA within 3 weeks of this meeting.

   M: Ms. D. Dove, S: Mr. A. Flatman
   Y: 41 N: 6 A: 12 Approved.

Mr. Dove volunteered to chair the ad-hoc and include anyone that gave him a business card. Mr. Dove will also announce the ad-hoc on the 802.3 reflector.

TIA 10/10 fiber project

Mr. Thompson's protest at the notice period for the TIA 10/100 fiber project was rejected. He stated that he could appeal the protest. Concern was expressed that projects of this type conducted in other bodies creates problems for MIB attributes as well as problems for MII registers and auto-negotiation. There was also discussion on whether appeal was the best approach since that could make the TIA group more hostile to comments from 802.3. With no formal direction from the WG, Mr. Thompson will not take any action on behalf of 802.3.

QOS/FC Study Group progress report

Mr. Khaled Amer presented a progress report on the Executive Committee Study Group (Attachment G1). Mr. Amer expressed that giving the presentation at this time was somewhat awkward since the Study Group will be meeting later in the day to consider objectives. 802.3 members are referred to the 802 web site to obtain information on subsequent activities of the week.

Mr. Ken MacLeod presented proposed objectives and scope of work (Attachment G2). The proposal will be reviewed in the Thursday afternoon meeting of the Study Group.

Extended discussion followed. Multiple commenters expressed concern about both the proposed approach, and whether 802 was the best forum for this type of project. It was noted for example that IETF has projects and expertise better suited for this project and that no need for this type of flow control has come from that body. Concern was also express that the project is more of a research project and therefore premature for standardization.

There was disagreement on whether the project was appropriate. This type of flow control does require layer 2 support, and that there is no current mechanism for flow control on 802.1 priorities. There was significant disagreement on the technical benefits that would be achievable. Two commenters indicated that there was no evidence that the proposal would provide the benefits desired. Mr. Amer replied with a counter example.

Concern was also expressed that the Study Group had been unresponsive to input from Working Group members.

TECHNICAL MOTION:

Move that 802.3 directs the Working Group chair to vote against the extension of the QOS/FC SG at the Exec.

M: Mr. W. Quackenbush, S: Mr. S. Muller

An objection to calling the question was made. The question was called by vote of Y: 27, N: 13, A: 6

The vote on the motion was:

Y: 20   N: 21   A: 17   Failed.

TECHNICAL MOTION:

Move that 802.3 directs the Working Group chair to vote for the extension of the QOS/FC SG at the Exec.

M: Mr. D. Pannell, S: Mr. C. Mick
Y: 18   N: 24   A: 9   Failed.

TECHNICAL MOTION:

Move that 802.3 directs the Working Group chair to abstain on the extension of the QOS/FC SG at the Exec.

M: Mr. F. Ross, S: Mr. Hecht
Y: 10   N: 27   A: 11   Failed.

1000BASE-T (802.3ab)

Mr. George Eisler presented the report on the 802.3ab Task Force meeting held Tuesday and Wednesday (Attachment E2). The Task Force closed all remaining comments from D4.0, with one exception, and resolved all the D4.1 comments. He gave an overview of the technical changes for the committee and the plan for future work.

Mr. Colin Mick presented the detailed technical changes (Attachment E3). He also included major editorial changes in the event anyone might consider them technical. The full comment database and resolutions are available from the Task Force web pages. The one open D4.0 negative comment was discussed in some detail. The essence of the comment is that there is no existence proof that the technology will work in worst case conditions, only worthwhile but potentially flawed simulations. Mr. Mick also presented the schedule for being able to receive standard approval at the March RevCom meeting (Attachment E4).

MOTION:

Move that 802.3 make a one-time exception to the 30 day advance notification rule and authorize 802.ab to hold an interim meeting December 7-8, 1998 for the purpose of resolving comments received against technical changes made to D4.1 in response to comments received during the D4.1 recirculation.

JUSTIFICATION: This exception will reduce the advanced notification to 26 days, a reduction of only 4 days. If granted (and absent any new comments which would require a subsequent recirculation), this exemption will enable the task force to pursue an aggressive Sponsor Ballot schedule which could result in submission to REVCOM at its March 19, 1999 meeting.

If this exception is not granted, the task force will not be able to complete the Sponsor Ballot process in time to make the March REVCOM agenda. This will delay the approval of 802.3ab and will result in significant additional meeting expenses for task force members.

     M: Mr. G. Eisler, S: Mr. C. Mick
     Y: 42 N: 1 A: 2 Approved.

TECHNICAL MOTION:

That the response to Howard Frazier's disapprove comment be modified to:

"While we appreciate your concern, we expect the existence proofs to be available by Sponsor Ballot. Given the simulation results and the design experience, it is appropriate to go forward to Sponsor Ballot with the existing draft."

     M: Ms. P. Thaler   S: Mr. K. Daines
     Y: 42 N: 0 A: 2 Approved.

TECHNICAL MOTION:

Move that 802.3:

1. Accept the resolution of comments against 802.3ab D4.1;

2. Authorize the conduct of a 15 day electronic-only recirculation for the purpose of having the working group review technical changes made to D4.1 to resolve the comments; and

3. Direct the chair of 802.3 to submit 802.3ab to the 802 executive committee for sponsor ballot, contingent upon a successful recirculation and no new disapprove ballots.

     M: Mr. Eisler, S: Mr. Mick
     Y: 44 N: 0 A: 2 Approved.

The chair ruled that item 1 of the motion will not affect the previous motion. The chair ruled that open Working Group technical comments be carried forward to Sponsor Ballot.

The Task Force will meet to address any recirculation comments on 7-8 December in Sacramento. This meeting will be cancelled if comment resolution does not require a meeting. An interim meeting will also be held 19-20 January in South Florida. Meeting details will be posted on the 802.3 web pages.

LINK AGGREGATION (802.3ad)

Mr. Stephen Haddock reported on the 802.3ad Task Force meeting held Monday through Wednesday. The task force will prepare a preliminary draft for its interim meeting, and expects to issue D1.0 as a result of the meeting. The Task Force intends to develop an SNMP MIB as well as maintaining the GDMO MIB. It was suggested that in moving to the future we may not do the GDMO on this project. This would be a change in policy and it was agreed that this would better be discussed in detail at a later date.

An interim meeting will be held 19-20 January in South Florida. Meeting details will be posted on the 802.3 web pages.

ADMINSTRATIVE MATTERS

With the deadline of another group scheduled for the meeting room, Mr. Thompson thanked all for their participation and without objection the meeting was adjourned at 1320.

ATTACHMENTS:

A1	Monday/Tuesday 802.3 Agenda
A2	802.3 Voting Member List
A3	802.3 Potential Voter List
A4	November 1998 Attendance List
A5	802.3 Standards Status
A6	8802.3 Clause Change Matrix
A7	Proposed rule change—electronic notice and document distribution
A8	Call for patents and example response letter
A9	Thursday 802.3 Agenda
A10	Proposed rules change – Calls for Interest
A11	Letter to TIA on multimode fiber
B1	ATM Forum letter on GMII
B2	Draft Response to ATM Forum
B3	Response to ATM Forum
C	No interpretation requests at this meeting
D1	Proposed 802.5y PAR—Revision and consolidation
D2	Proposed 802.5z PAR—Link Aggregation
D3	Proposed 802.5x PAR—VLAN
D4	Proposed 802.1r PAR and Five Criteria—GPRP
E1	Tuesday 802.3ab Task Force report (Eisler)
E2	Thursday 802.3ab Task Force report (Eisler/Mick)
E3	802.3ab D4.0 Comment Resolutions (Mick)
E4	802.3ab Schedule for March RevCom
F1	Tuesday 802.3ad Task Force report (Haddock)
G1	QOS/FC Progress Report (Amer)
G2	Proposed QOS/FC Objectives (MacLeod)

Respectfully submitted 13 November 1998

Robert Grow

IEEE 802.3 Secretary

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