Unconfirmed Minutes
IEEE 802.3 CSMA/CD PLENARY
Hyatt Hotel, Dallas, TX
November 13 - 16, 2006

http://www.ieee802.org/3/minutes/nov06/index.html

MONDAY, November 13, 2006

ADMINISTRATIVE MATTERS
Mr. Robert Grow, Chair of 802.3 CSMA/CD Working Group, called the meeting to order at 1:06pm.

Mr. Grow gave some directions and information on the IEEE 802 office and registration. Mr. Grow introduced the WG website: http://www.ieee802.org/3/

Mr. Grow introduced Mr. David Law, Vice Chair of 802.3, Mr. Carlson, Executive Secretary, and Mr. Wael William Diab, Secretary of 802.3 and Mr. Brad Booth, Treasurer of 802.3.

Mr. Grow also introduced Mr. Adam Healey, Chair P802.3ap Backplane Ethernet Task Force, Mr. David Cunningham, Chair of P802.3aq 10BASE-LRM Task Force, Mr. Kevin Daines, Chair of P802.3ar Congestion Management and Chair of P802.3as Frame Expansion Task Forces, Mr. Mike McCormack who is Chair of P802.3at DTE Power Enhancements Task Force, Mr. Glen Kramer who is Chair of P802.3av 10GEPON and Mr. John D'Ambrosia Chair of Higher Speed Study Group (HSSG).

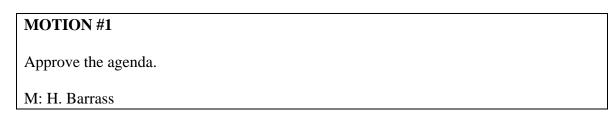Mr. Grow noted that Mr. Cunningham will not be attending this meeting.

Mr. Grow noted that all attendees are participating individually and that their affiliation should be available upon request per the current IEEE-SA rules.

Mr. Grow asked the attendees to introduce themselves and announce their affiliation.

Mr. Grow asked if anyone was attending from the press including those who would run a public blog on this meeting. None responded.

Approving the Agenda
Mr. Grow asked if there were any additions to agenda that was handed out. Mr. Diab noted that there are more additions to the external liaisons

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MOTION #1

Approve the agenda.

M: H. Barrass

S: K. Daines

Passed by voice vote without opposition 13-Nov-2006 1:18PM

Mr. Grow discussed the latest 802.3 standards and drafts. Mr. Grow noted the URL for Get IEEE 802. Mr. Grow also noted that the latest version of 802.3 is 802.3-2005, which supersedes all previous revisions and amendments and is in the program.

Mr. Grow went over the current WG documents for this meeting's business. Please see http://www.ieee802.org/3/minutes/nov06/1106_open_report.pdf

Approving the Minutes
Mr. Grow asked if there were any additions or corrections to the July 2006 minutes. Mr. Diab noted that there was an error in some of the URLs and it would be corrected. Mr. Grow asked if there were any other changes or corrections to the July minutes. None were given. Mr. Diab noted that they have been up on the website for over two months.

MOTION #2

Approve July 2006 Plenary Meeting Minutes

M: K. Daines

S: B. Booth

Passed by voice vote without opposition 13-Nov-2006 1:23PM

802.3 Treasury
Mr. Grow introduced Mr. Booth as the newly appointed treasurer for 802.3. Mr. Grow noted that per the rules he did not need to get a confirmation vote for the appointment but wanted to do so anyway.

Treasurer Confirmation

Mr. Grow asked for a show of hands of 802.3 members supporting the appointment of Mr. Booth as the treasurer of 802.3

Passed by hand vote without opposition 13-Nov-2006 1:25PM

Mr. Grow noted that the Treasury report will be given on Thursday for this meeting plenary.

Patent Policy
Mr. Diab reminded Mr. Grow to show the patent policy. Mr. Grow asked Mr. D'Ambrosia to read the patent policy.

Mr. D'Ambrosia reminded the group of inappropriate topics that should not be discussed. These included territory, market share, price, ongoing litigation, threatened litigation, etc. and read the slides. Please see
http://www.ieee802.org/3/minutes/nov06/1106_open_report.pdf

Mr. Grow advised that the IEEE's patent policy is consistent with the ANSI patent policy.

Mr. Grow asked if anyone had any IP or a letter of assurance, and no one came forth. Mr. Grow also asked that Mr. Diab record that:
- No letters of assurance were submitted
- The patent policy was read
- Anyone wishing to submit a letter of assurance can do that any time by contacting Mr. Grow or the PatCom administrator.

Attendance and Voting Procedures
Mr. Grow asked all attendees to wear their registration badges at all times during the meeting.

Mr. Grow discussed the merit of being on the Working Group reflector especially for new attendees. Mr. Grow also introduced the Working Group decorum as described in his opening report. Please see
http://www.ieee802.org/3/minutes/nov06/1106_open_report.pdf.

Mr. Grow also explained the membership requirements (gaining and retaining)
• 75% attendance at 2 of last 4 plenary meetings (a qualifying interim may be substituted for one plenary)
• Request to become member during 802.3 potential voter agenda item
• Maintain valid contact information (update in "red" book)
• Participate in 2 of last 3 WG ballots
See http://grouper.ieee.org/groups/802/3/rules/index.html for complete information.

Attendance Books
Mr. Diab explained the operation of the Attendance books for new voters and established voters.

Mr. Diab reminded attendees to verify their email address and contact information in the voting books and to ensure that they are current. To maintain voting status, contact information must be up-to-date.

Please see http://www.ieee802.org/3/minutes/nov06/1106_open_report.pdf for voter lists.

Mr. Grow went through the Potential Voters list. Mr. Diab recorded the respondents.

These individuals responded Monday requesting to become voting members:

Alping, Arne
Dhamejani, Suveer
Duelk, Marcus
Hajduczenia, Marek
Kimura, Mitsunobu
Remein, Duane
Saeki, Naoto
Seno, Shoichiro
Takahashi, Akira
Tanaka, Keiji
Vetteth, Anoop
Yamashita, Hajime

Interim TF and SG Meetings Held
Mr. Grow gave an update on the interim 802.3 meetings that were held and thanked the
hosts of those meetings. Below is a list of the meetings that occurred between this
meeting and the last plenary:
- Knoxville, TN, USA 18-21 Sep 2006
    – P802.3ap, Backplane Ethernet
    – P802.3at, DTE Power Enhancements
    – P802.3av, 10G EPON
    – Higher Speed SG
    – Maintenance

802.3 Ballots since the Last Plenary
Mr. Grow gave an update on the 802.3 ballots since the last meeting. Mr. Grow also gave
a brief overview of the IEEE Sponsor Ballot process and direction to the website.

Below is a summary of the ballots and ballot invitations that Mr. Grow showed and they
can be found in opening slides. Please see
http://www.ieee802.org/3/minutes/nov06/1106_open_report.pdf
- Working Group Ballots:
    – Interpretation 1-07/06, D1.0, initial
    – Interpretation 1-07/06, D1.1, recirculation
- Sponsor Ballots:
    – P802.3ap/D3.0, initial
    – P802.3ap/D3.1, recirculation
    – P802.3as/D3.3, recirculation
    – 1802.1 reaffirmation, initial

Mr. Grow noted that the interpretation ballot will close tonight.

Standards Board Report
Mr. Grow gave an update on the June standards board meetings. Mr. Grow showed
updates on the following areas:
- ProCom

- PatCom
- RevCom
- NesCom
- Standards Board

Please see http://www.ieee802.org/3/minutes/nov06/1106_open_report.pdf.

For details on the standard board minutes please refer to http://standards.ieee.org/board.

LMSC Reports
Mr. Grow gave an update in the topics being discussed at the LMSC EC. Please see http://www.ieee802.org/3/minutes/nov06/1106_open_report.pdf for all the topics and the details covered.

Some highlights from the discussion
- There were some suggestions from Mr. Law and Mr. Dineen on generating revenue from Get802

Mr. Grow also noted that Ms. Kenney continues as IEEE 802 ombudsman (802ombudsman@ieee.org). For more information please refer to the IEEE 802 opening plenary presentation.

Mr. Grow presented the tutorials scheduled for this week.

PARS
Please see http://www.ieee802.org/3/minutes/nov06/1106_open_report.pdf

Mr. Grow showed the PARs under consideration this week. Mr. Grow asked if there were any questions on any of the PARs.

- P802.1AB   Stream reservation protocol
- P802.1Qav   Time sensitive streams
- P802.1Qaw   Management of data driven and data dependent connectivity faults
- P802.3ar   Modified PAR
- P802.15.4d   950 MHz PHY for Japan
- P802.16m   Advanced air interface

Mr. Grow asked if anyone would like to see more detail on these PARs or if anyone would like to see an ad-hoc formed to look at these PARs for WG comments. None were given.

Mr. Grow noted that he was planning to put in comments that the language clearly include both wired and wireless for .1Qav. Mr. Law also noted that there may be some comments related to the work that 802.3at was doing with regards to LLDP (802.1AB). Mr. Grow asked Mr. McCormack to look at that in his session this week.

External Liaison Reports
See http://www.ieee802.org/3/minutes/nov06/index.html under the liaison attachments.

TR42.7 – Val Rybinski
Ms. Rybinski noted that the TR42.7 schedule for responding to the IEEE 802.3at project has been accelerated with a target date of presenting initial finding at the IEEE January interim. Ms. Rybinski thanked Mr. Diab for his effort in working with TR42 and impressing upon them the need for an urgent response.

There was some technical difficulty with the projector. Mr. Grow called for an early break.

Break for 20 minutes at 2.36PM. Restarted at 3:03PM

ISO/IEC SC25/WG3 – Alan Flatman
Mr. Flatman gave an update on the last international cabling meeting. Mr. Law asked if there was a detailed liaison letter sent to 802.3 on 802.3at. Mr. Flatman responded that he had summarized the key points and the detailed letter would be considered in 802.3at TF breakout.

T11.2 and SFF – Adam Healey
Mr. Healey gave an update on T11.2.

OIF – Tom Palkert
Mr. Palkert presented the liaison letter from OIF towards the work in HSSG. Mr. Grow asked Mr. Palkert and Mr. D'Ambrosia if a response from 802.3 was necessary. They were not aware of any.

ITU-T SG15 – Pete Anslow
Mr. Anslow presented the liaison letter from ITU-T SG15 towards the work in HSSG. Mr. Grow asked Mr. D'Ambrosia to look at drafting a proposed response but reminded the group that the response had to come from 802.3 as SGs are not involved in formal liaison communications and exist to provide a recommendation as to the scope of the work of the TF, if one is to be formed.

There was a brief discussion as to the mechanisms for downloading ITU drafts without being a member of ITU.

MEF – Kevin Daines
Mr. Daines presented the liaison letter from the Metro Ethernet Forum. Mr. Daines noted that access to the MEF site is password protected and presented the password which will not be recorded in the minutes.

Mr. Grow asked if there was anyone willing to drive an ad-hoc to respond to this letter. Mr. Daines volunteered. Mr. Grow asked if Mr. Daines would like to review the letter

this week or do it offline. Mr. Daines recommended that the review be done offline and would be presented as an informal set of commentary from members of 802.3 as the WG would not have a chance to review the detailed responses as a group. A response to the MEF stating that would also be sent following this plenary session is appropriate.

Mr. Dineen and Mr. Dawe pointed out that the URL provided in the letter is broken. The correct URL is as follows:
http://www.metroethernetforum.org/members/drafts.htm

F0-4.1 – No report

ITU-T SG 13 – No report

IETF – No Report

Internal Liaison Reports
See http://www.ieee802.org/3/minutes/nov05/index.html under the liaison attachments.

802.1 Internal Liaison – Pat Thaler – There was no liaison update at this time. Ms. Thaler may present an update at the closing session.

802 Architecture Update – Bob Grow
Please refer to the material shown by Mr. Grow on this topic in the EC report in that section: http://www.ieee802.org/3/minutes/nov06/1106_open_report.pdf

State of the Standard
Mr. Law reported on the state of the standard
http://www.ieee802.org/3/minutes/nov06/1106_state_of_std.pdf

Mr. Law noted that 802.3as was published today and thanked the 802.3 assigned staff editor, Michelle Turner for her hard work.

Mr. Grow reminded the group that the group has been solicited to contribute opinions on the value of internationalization of IEEE Std 802.3. Mr. Law noted that a motion during the maintenance report in the closing session may be done to address this issue.

Interpretations
Please refer to http://www.ieee802.org/3/minutes/nov06/1106_interp_open_report.pdf.
2 new interpretation received
      1-07/06 -   1000BASE-X IFG encoding rules
      2-07/06 -   10GBASE-T MDI impedance balance
Available on Interpretations area of web site http://www.ieee802.org/3/interp/index.html

Mr. Law gave a report on the Interpretation Ballot 1-07/06 D1.0 and its results. Ballot opened 31st Aug 2006, closed 19th September 2006. 31Comments received.

Mr. Law gave a report on the interim meeting in Knoxville:
- Met Wednesday 20th September
    - Thanks to those that attended
- Reviewed Interpretation Request 1-07/06 /D1.0
- Responded to 31 comments

E (Editorial)	24
ER (Editorial required)	0
T (Technical)	6
TR (Technical required)	2

- Based on comment responses the 1 disapprove flipped
- Issued recirculation ballot on D1.1
- Ballot opened 30th Oct 2006, closes 13th November 2006

Mr. Law also showed the plans for the week and that a planned response to these new interpretations would be presented at the closing session of the 802.3 plenary.

Operating Rules of 802.3
There was nothing new regarding rule changes.

The latest version may be found at http://grouper.ieee.org/groups/802/3/rules/index.html

Maintenance
Please refer to http://www.ieee802.org/3/minutes/nov06/1106_maint_open_report.pdf.

Mr. Law gave a report on the current status of maintenance:
- 34 Open Maintenance requests
- 14 new requests since July
    - 1 related to IEEE Std 802.3-2005 10GBASE-X
    - 13 related to IEEE Std 802.3an 10GBASE-T
- Current status of open requests -
    Ready for ballot   15
    Awaiting clarification   1
    To be categorised   18

Mr. Law showed the new requests.

Mr. Law discussed the 1802.3-2001 Reaffirmation:
- Standards require reaffirmation or revision
    - Every 5 years
- Sponsor ballot group formation
    - Invitation Closed 29th July
- Sponsor balloting
    - Ballot opened 10th August

–   Ballot closed 9th September

Mr. Law gave an update on the 1802.3 Reaffirmation Sponsor ballot results:
-   Ballot opened 10th August 2006, closed 9th September 2006
-   8 Comments received

Mr. Law discussed the revision requirements and discussed the plan:
•   Year long process
    –   Assuming not splitting the document
        •   Longer for splitting or other wholesale changes
    –   Proposal to move Link Aggregation to IEEE 802.1
        •   It is an 802.3 sublayer but it has to go above IEEE Std 802.1x
•   Need to identify best time to perform revision
    –   Currently balloting projects complete by 2007
    –   Next possible sponsor ballots
        •   IEEE P802.3at DTE Power Enhancements
        •   IEEE P802.3av 10G EPON
        •   IEEE P802.3ar Rate Limiting
•   Next maintenance project
    –   Currently nothing pressing
    –   Await next revision

Mr. Law also showed the plans for the week and noted that the revision plan would be discussed during the week.

Task Force and Study Group Reports
P802.3ap: Backplane Ethernet TF – Adam Healey
http://www.ieee802.org/3/minutes/nov06/1106_ap_open_report.pdf

P802.3aq: 10GBASE-LRM TF – David Cunningham
Mr. Grow had noted that there would not be an opening presentation by Mr. Cunningham.

P802.3ar: Congestion Management TF – Kevin Q Daines
http://www.ieee802.org/3/minutes/nov06/1106_ar_open_report.pdf

Mr. Daines presented a summary of the state of the project. Mr. Daines asked Mr. Grow when he would like to consider discussion on the project based on the motion to postpone from the closing session of the July plenary. Mr. Grow indicated that he would like to have that discussion on Thursday in the closing session and noted that the process to withdraw a PAR cannot be submitted under the 48-hour rule so the timing of the discussion this week is immaterial from that perspective.

Mr. Daines gave some scenarios if the TF were to have its PAR withdrawn or if that motion failed. Under failure to withdraw the motion, one scenario would involve modification of the objectives. Another would be to go dormant.

Mr. Grow noted that the PAR would be administratively removed Dec of 2008.

P802.3as: Frame Extension TF – Kevin Q Daines
Mr. Daines reported that 802.3as has been published!!

Mr. Daines noted that they would be recognizing individuals at the March Plenary next year. Mr. Grow thanked Mr. Daines and Mr. Parsons for their hard work on the project on behalf of the Working Group.

P802.3at: DTE Power Enhancements – Mike McCormack
http://www.ieee802.org/3/minutes/nov06/1106_at_open_report.pdf

Mr. McCormack pointed out that the group is running behind and without compromise it may be difficult to hit the current schedule.

Mr. Grow pointed out that 802.3at PAR would expire Dec 2009.

Mr. Law pointed out that he would rather see the revision be orthogonal to 802.3at.

P802.3av: 10GEPON – Glen Kramer
http://www.ieee802.org/3/minutes/nov06/1106_av_open_report.pdf

HSSG (High Speed Study Group) – John D'Ambrosia
http://www.ieee802.org/3/minutes/nov06/1106_hssg_open_report.pdf

Mr. Grow pointed out that the agenda was very full for this SG.

CFI Energy Efficient Ethernet (EEE) – Mike Bennett
http://www.ieee802.org/3/minutes/nov06/1106_eee_cfi_open_report.pdf

Presentation of Public Awards to Members of P802.3an
Mr. Grow asked for the group's patience while he presented a set of awards to key members of 802.3an. After presenting Mr. Booth with his award, Mr. Grow asked Mr. Booth to present the balance of the awards.

Room Assignments and TF Schedules
Mr. Carlson presented the room assignments for meetings and discussed start times.

For the final ad-hocs and agenda, an updated room assignment will be posted on the 802 announcement board where it is usually found.

A current version of the agenda and room assignments can be found at
http://ieee802.facetoface-events.com/plenary/attendee
(Note that the above link is a dynamic link)

Future Meetings
Mr. Carlson presented information on future meetings for upcoming interims so that the groups can come back with their feedback.

Mr. Carlson turned it over to Mr. Frazier to present the Broadcom offer to host the January interim. Mr. Grow asked Mr. Healey to pay attention to the dates of his ballot relative to the January proposed dates.

Mr. Carlson turned the floor over to Mr. Parsons to present the ITU interim offer to host the May interim. Mr. Parsons that there are no meeting fees for this interim.
Mr. Grow asked the TF and SG tracks to sample their groups for a commitment to go.
Mr. Grow noted that the May offer is an excellent opportunity to do an international venue.

Mr. Carlson also showed a potential offer of from ETRI/Samsung to go to Korea in September. Mr. Carlson asked the groups to take the temperature of the groups before engaging further with the ETRI/Samsung. Mr. Grow and Mr. Frazier noted that the previous Korea experience with EFM was an excellent experience.

There was a discussion of the number of participants at the EFM meeting in Korea.

Mr. Grow shared that at the opening 802 plenary there were about 380 out of 420 people that wanted 802 to be more international. Mr. Grow noted that Switzerland and Korea are excellent opportunities to emphasize that and recognize our diverse participation.

Mr. Grow asked if there was any additional business for 802.3 to consider. Nothing was brought up.

MOTION #3

Motion to Recess.

M: J. D'Amborsia
S: D. Dove

Passed by voice vote without opposition 13-Nov-2006 5:35PM

Recessed.

THURSDAY, November 16, 2006

ADMINISTRATIVE MATTERS

Thursday, November 16, 2006 1PM – 5PM

Mr. Grow called the meeting to order at 1:04PM. The agenda was distributed to the group. Mr. Grow reminded the group that the agenda was quite full for the session.

Mr. Grow asked if anyone wished to modify the agenda. Mr. Daines asked for an opportunity to do a motion to modify an error in the July 2006 minutes. Mr. Grow agreed and suggested that it could be done under administrative matters.

There were no further requests or objections on the proposed agenda.

MOTION #1

Motion to approve agenda:

M: H. Barrass
S: D. Feldman

Passed by voice vote without opposition 16-Nov-2006 1:07PM

Attendance Books
Mr. Diab explained the operation of the Attendance books for new voters and established voters.

Mr. Diab reminded attendees to verify their email address and contact information in the voting books and to ensure that they are current. To maintain voting status, contact information must be up-to-date.

Review of Voting Membership, Request Membership
Mr. Grow displayed the current 802.3 voters list. Mr. Grow explained how to gain membership in 802.3. See http://grouper.ieee.org/groups/802/3/rules/index.html for complete information.

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

The following individuals indicated they wished to become 802.3 voters on Thursday:
Daido, Fumio

Jiang, Wenbin
Mandin, Jeff
Mukojima, Toshiaki
Otaka, Akihiro
Tatsuta, Tsutomu
Takizawa, Motoyuki

Treasurer's Report
Mr. Grow asked Mr. Booth to give the Treasurer's report. Mr. Grow noted that the report will typically be given in the Monday session of the plenary moving forward. Mr. Booth gave a brief report. Please see

http://www.ieee802.org/3/minutes/nov06/1106_treasurer_report.pdf

Mr. Booth asked if there were any questions on Treasury. None were asked.

Press
Mr. Grow asked if there was a member of the press, or anybody that would blog on the meeting, present. None responded so Mr. Grow noted that there should be no recording or photography without permission.

Mr. Booth asked if any reporting done by the Ethernet Alliance on the actions of the working group would be considered press. Mr. Law clarified that that action would be considered reporting on publicly available information. Mr. Grow noted that would not be considered as part of the press.

MEF Liaison Response – Kevin Daines
Mr. Daines showed a draft letter in response to the MEF letter. In accordance with the discussion in the Monday opening session, the letter will be followed up by an informal communication from 802.3 members. Please refer to:

http://www.ieee802.org/3/minutes/nov06/1106_mef_close_report.pdf

Mr. Grow asked for any objection to sending out the response as shown. None were given. The response was approved without opposition.

Correction to the July Minutes

MOTION #2

Motion to amend the July minutes as follows:

Amend http://www.ieee802.org/3/minutes/jul06/minutes_0706.pdf, p. 19
as follows:
"Mr. Daines spoke in favor of the motion noting that spinning a MAC for frame expansion could easily accommodate rate limiting and thus could meet feasibility.

> …
> ~~Mr. Daines~~ A participant spoke against the motion and attempted to call the question but Mr. Law ruled that one could not speak to the motion and then move to call the question"
>
> M: K. Daines
> S: B. Booth
>
> Passed by voice vote without opposition 16-Nov-2006 1:26PM

Presentation of Awards to 802.3aq Participants

Mr. Cunningham presented a set of awards and certificates to key members and contributors in the project.

EC Update

There was nothing to report on the EC.

MAINTENANCE – David Law

Please refer to http://www.ieee802.org/3/minutes/nov06/1106_maint_close_report.pdf.

Mr. Law gave an update on the maintenance work for the week. Specifically, the group met Tuesday afternoon and covered the following items:
- Reviewed open maintenance request
- IEEE Std 802.3 revision plan
- IEEE Interpretation 2-11/06
    - IEEE Std 802.3an-2006 10GBASE-T Equation 55-55
- ISO/IEC 8802-3 status

Mr. Law reported that there were currently 34 open requests, the status of which is as follows:
- Ready for ballot   27
- Awaiting clarification   1
- To be categorised   6

Mr. Law explained the revision requirements. Specifically:
- Revision required when
    - three years have elapsed since last revision
        - IEEE Std 802.3-2005 approved June 2005
    - and number of amendments is four or more
        - We will probably have 5 amendments by June 2008
- Can ask for 2 year extension from Standards Board
    - Based on 'extenuating circumstances'
    - Requires
        - Project plan outlining the rationale
        - Schedule for the revision
- Not meeting these requirement will block new projects
    - RevCom defers consideration of additional amendments

- While revision is in sponsor ballot
    – No amendment sponsor ballot can start

Mr. Law showed a revision proposal based on the discussion from Tuesday afternoon. Specifically, Mr. Law proposed:
- Minimum year long process
    – Currently balloting projects complete by March 2007
        - IEEE P802.3ar Congestion Management not in ballot
    – Next sponsor ballots commence
        - IEEE P802.3at DTE Power Enhancements
        - IEEE P802.3av 10GEPON – July 2008
- Consolidated draft dependant on IEEE-SA Staff resources
    – Draft should be available May 2007
- Request to move Link Aggregation to IEEE 802.1
    – It is an 802.3 sublayer but it has to go above IEEE Std 802.1x
    – Transfer Link Aggregation directly from IEEE 802.3 to IEEE 802.1
        - IEEE Std 802.3 and IEEE 802.1 revisions would be dependant
    – Split Link Aggregation out then transfer to IEEE 802.1 later
        - New standard would be IEEE Std 802.3.1
            – IEEE P 802.3.1 would be dependant on the IEEE Std 802.3 Revision
        - No cross Working Group dependency

Discussion on the revision proposal shown by Mr. Law's included comments from Mr. Barrass, Mr. Kramer and Mr. Dawe that touched on the process of maintaining and handing off link aggregation, concern that less members will pay attention to a .3.1 standard than a .3 standard and questions on which version of the base document the various TFs would amend given the number of concurrent amendments.

Mr. Law showed a timeline proposal for the revision plan:
- Timeline

Revision request selection		Jan	2007
NesCom submittal#	27th	Jan	2007
EC PAR approval	16th	Mar	2007
PAR approval#	22nd	Mar	2007
Working Group Ballot	01st	Jun	2007
Sponsor Ballot		Nov	2007
RevCom submittal#		Apr	2008
Standards board approval#		Jun	2008

  # Externally determined dates
- Drafts dependant on IEEE-SA Editorial staff resource
    – Current plan is for May 2007
    – Want ability to move forward if draft available earlier

MOTION #3

- Request that IEEE 802.3 authorise the IEEE 802.3 Working Group chair to work with the IEEE 802.3 Maintenance Task Force to generate and pre-submit a Revision PAR for IEEE Std 802.3 and a New Standard PAR for IEEE P 802.3.1 Link Aggregation based on the plan 'IEEE Std 802.3 revision plan proposal – 16th November 2006'

- Charter the IEEE 802.3 Maintenance Task Force to develop drafts based on plan 'IEEE Std 802.3 revision plan proposal – 16th November 2006'

- Request that IEEE 802.3 authorise the IEEE 802.3 Maintenance Task Force to pre-submit the IEEE 802.3 Revision and IEEE P802.3.1 drafts prior to the March plenary if available (making this request without a PAR is without precedent).

M: D. Law
S: M. Beck

Passed by voice vote 16-Nov-2006 2:15PM. Since there was minor opposition, Mr. Grow asked if anyone would like a hand count. None were requested.

Discussion on the above motion:
- Mr. Frazier asked for clarification on the NesCom and EC deadlines
- Mr. Frazier asked for a clarification that the pre-submit was intended to address the preview
- Mr. Barrass expressed discomfort with breaking the document and authorizing a PAR to split the document as it would set a precedent
- Mr. Barrass expressed the idea of not touching the 802.3 document and allowing 802.1 to go ahead with creating a new document, after which, when 802.1's amendment would be published, 802.3 would deprecate the relevant material.
- Mr. Frazier noted that we do have a precedent for other stand alone documents like the compliance document.
- Mr. Frazier also expressed that he is comfortable authorizing the process to go forward given that there will be a maintenance meeting in January and another plenary in March to review this again.
- Mr. Thompson echoed Mr. Frazier's comments. Mr. Thompson also asked for sufficient amount of time to discuss this in March.
- Mr. Barrass clarified that he was not objecting to 802.1 taking over link aggregation but rather that there is no advantage for 802.3 to do significant work before 802.1 got started.

ISO/IEC 8802-3 status – Mr. Law
Mr. Law gave a brief update on ISO/IEC 8802-3.

Please refer to http://www.ieee802.org/3/minutes/nov06/1106_maint_close_report.pdf.

Corrigendum 2 – Mr. Law
Please refer to http://www.ieee802.org/3/minutes/nov06/1106_maint_close_report.pdf.

Mr. Law discussed the interpretation request of 2-11/06 and the need to do a Cor2 (802.3aw) to address this requirement. Mr. Law noted that Mr. Grow had prepared a maintenance PAR and pre-submitted under the 48 hour rule.

Mr. Law showed the timeline for that potential project:

Draft review	16th Nov	2006
EC PAR approval	17th Nov	2006
Working Group Ballot	Nov	2006
PAR approval#	27th Feb	2007
Comment resolution meeting	20th Jan	2007
Sponsor Ballot	28th Feb	2007
RevCom submittal #	27th Apr	2007
Standards board approval #	07th Jun	2007
# Externally determined dates		

Mr. Frazier asked if our rules required a PAR before doing a working group ballot. Mr. Grow noted that he and Mr. Law had not gone through the rules in detail but he would hate to see this used as a precedent.

Mr. Frazier suggested initiating the working group ballot out of this meeting.

Mr. Thompson echoed Mr. Frazier's comments and expressed the need for better due diligence when 802.3 goes through a ballot procedure to avoid such a lengthy process.

Mr. Law displayed a draft of the PAR for Cor2. Mr. Law asked if anyone would like to see the entire PAR. No requests were given.

Mr. Frazier asked on clarification on the name of the project as 802.3an was an outstanding amendment. Mr. Law noted that 802.3an is part of 802.3-2005 so the corrigendum is to IEEE Std 802.3-2005.

MOTION #4

IEEE 802.3 approves the PAR for IEEE P802.3-2005/Cor 2 10GBASE-T Corrigendum

IEEE 802.3 requests the IEEE 802 LMSC Executive Committee to submit the IEEE P802.3-2005/Cor 2 10GBASE-T Corrigendum PAR to NESCOM.

M: D. Law
S: M. Carlson

Tech 75%
Y:67   N:0   A:2   MOTION PASSES   Date: 16-Nov-2006 2:29PM

There was no discussion on the above motion.

Mr. Law previewed the draft of 802.3aw. Mr. Thompson asked that the text being changed be shown also.

MOTION #5

Due to the urgency and extremely limited scope:
- Request that IEEE 802.3 send IEEE P802.3-2005/Cor 2 D1.0 to Working Group ballot (making this request without draft preview and at the same time as PAR submittal is without precedent).

- Request that IEEE 802.3 authorize the IEEE 802.3 Working Group chair to submit IEEE P802.3-2005/Cor 2 to sponsor ballot conditional upon successful completion of the Working Group ballot (making this request at the same time as Working Group ballot authorization is without precedent).

- Request that IEEE 802.3 authorizes the IEEE P802.3aw Task Force to conduct meetings and recirculation ballots as necessary to resolve comments received during Working Group and Sponsor Balloting.

M: D. Law
S: H. Frazier

Tech 75%
Y:54   N:0   A:0   MOTION PASSES   Date: 16-Nov-2006 2:39PM

Discussion on the above motion:
-   Mr. Frazier asked that the timeline be shown with and without this motion
-   There was further discussion on the timeline
-   Mr. McCormack asked if there was anything in the 802.3 rules to conduct the ballot right now. Both Mr. Law and Mr. Grow responded that while there are no specific rules in 802.3, there was a rule for a letter ballot in LMSC P&P.
-   Mr. Grow spoke to the motion. He subsequently asked if anyone would like him to recuse himself because of that. No request was given.

Interpretation – David Law
Please refer to http://www.ieee802.org/3/minutes/nov06/1106_interp_close_report.pdf

Mr. Law noted that the Interpretations Ad Hoc met Wednesday and that 2 interpretations were considered:
1-07/06 - 1000BASE-X IFG encoding rules
   •   Submitter withdrew request at meeting
2-07/06 - 10GBASE-T MDI impedance balance
The interpretations area of the 802.3 website: http://www.ieee802.org/3/interp/index.html

Mr. Law showed the proposed text for the responses per his closing report.

MOTION #6

IEEE 802.3 approves the proposed Interpretation responses to Interpretation requests 2-11/06 as presented without the need for a 30 day letter ballot.

M: D. Law
S: W. Diab

Tech 75%
Y:54   N:0   A:0   MOTION PASSES   Date: 16-Nov-2006 2:44PM

Mr. Law showed the IEEE 802.3 Interpretation Request 1-07/06 D1.1 Working Group recirculation ballot results. Ballot opened 30th Oct 2006, closed 13th November 2006. 16 comments were received. A comment resolution meeting was held:
- Met Tuesday afternoon
  - Thanks to those that attended
- Reviewed Interpretation Request 1-07/06 /D1.1
- Responded to 16 comments

E (Editorial)	5
ER (Editorial required)	0
T (Technical)	9
TR (Technical required)	2

- Based on comment responses
  - 2 disapprove indicated they would flip
  - 1 remaining disapprove is from D1.0 ballot
    - Received email indicating flip but did not receive in ballot

MOTION #7

IEEE 802.3 authorises the IEEE P802.3 Interpretations Ad Hoc to conduct meetings and recirculation ballots as necessary to resolve comments received during the Working Group recirculation ballot(s) of the response to Interpretation request 1-07/06 [10GBASE-X].

M: D. Law
S: G. Thompson

Tech 75%
MOTION PASSES by voice vote without opposition   Date: 16-Nov-2006 2:47PM

Break at 2.48pm Resumed at 3.05pm

Task Forces
P802.3ap – Backplane Ethernet – Adam Healey
Please refer to http://www.ieee802.org/3/minutes/nov06/1106_ap_close_report.pdf

Mr. Healey showed an update on progress for the week as well as the ballot results and comment status thus far.

Mr. Healey showed the various topics of the unresolved comments and asked if anyone would like to see the comments in detail.

MOTION #8

IEEE 802.3 Working Group Chair request the IEEE 802 EC to grant conditional approval, per LMSC P&P Procedure 20, to pre-submit IEEE P802.3ap for the March RevCom meeting.

M: A. Healey on behalf of Task Force

Tech 75%
Y:54   N:0   A:4   MOTION PASSES   Date: 16-Nov-2006 2:15PM

There was no discussion on the above motion.

Mr. Healey noted that the plan for future meetings will depend upon the result of the recirculation.

P802.3ar – Congestion Management – Kevin Q Daines
Please refer to http://www.ieee802.org/3/minutes/nov06/1106_ar_close_report.pdf

Mr. Daines showed a summary of the status of the project since the March meeting. Mr. Daines came to the point where the motion that had been postponed.

Mr. Grow recused himself as Chair as he had spoken to this motion in the past. Mr. Grow yielded the Chair to Mr. Law.

Mr. Law said that the following motion was now off the table.

MOTION #9 (Motion #9 from San Diego)
Move that the 802.3 WG approve withdraw the IEEE P802.3ar PAR and return it to NESCOM, by authorizing the WG chair to fill out the appropriate form and presenting it to 802 EC.

M: T. Dineen
S: H. Frazier

Tech 75%
Y:8   N:29   A:24   MOTION FAILS   Date: 16-Nov-2006 2:43PM

Discussion on the above Motion:

- Mr. Dawe asked if there was a clear explanation as to whether an explanation and plan was given instead of this current project and why this was no longer a good idea
- Mr. Pannell, an 802.1 voter, spoke in favor of the modified PAR and against the motion. Mr. Pannell also noted customer requirement for such a technology.
- Mr. Wadekar spoke against this motion. Mr. Wadekar noted that there was an informal show of hands regarding this project that there was unanimous support for such a project. Mr. Wadekar noted that .1 did not know what they specifically wanted from .3 at this point but were likely to communicate that in March.
- Mr. Jeff Mandin spoke against this motion noting that there is demand for such a technology
- Mr. Gusat spoke against the motion.
- Mr. Frazier spoke in favor of this motion. Mr. Frazier noted that there is a PAR and 5 criteria along with a draft that did not match. Mr. Frazier noted that in San Diego we did not get acceptance of the revised PAR and 5 criteria. Thus, we have a project that is doing work that is different from the PAR and 5 criteria. A solution that was offered in San Diego was to withdraw the PAR until a specific PAR and objectives were accepted. Mr. Frazier noted that the speakers from 802.1 indicated that they still did not know what they wanted fro 802.3 and would not likely know till several months from that day. Mr. Frazier suggested withdrawing the PAR and then resubmitting a new project for a new PAR when 802.1 communicates their need.
- Mr. Thompson echoed Mr. Frazier's comments on the correct process and procedure should be followed for changing the scope and work of a project.
- Mr. Daines noted that the draft as it stands currently meets a portion of the objectives and criteria. The effort that the group had gone through was to narrow the scope of the PAR and 5 criteria. Mr. Daines also took exception that the project had drifted away but that it had rather been working on a subset of the PAR and objectives.
- Mr. Hazarika spoke against the motion and noted that there should not be a hard line in withdrawing the PAR rather than modifying the PAR.
- Mr. Lynch spoke against the motion and noted that it was premature to pull the plug on this topic.
- Mr. Grow spoke against the motion. Mr. Grow echoed Mr. Daines's comments taking exception to the comments from Mr. Frazier and Mr. Thompson that work has been done on a subset of the PAR and objectives, specifically rate control. Mr. Grow suggested rejecting this motion and pausing until feedback from 802.1 was given.

After the motion was voted, Mr. Grow asked that Mr. Law continue conducting business related to 802.3ar.

Mr. Daines stated that there was no further business.

Mr. Frazier asked why there was no further action on presenting the balance of the revised PAR and objectives. Mr. Daines responded that the group was now going to wait and see what happens in this meeting.

Mr. Frazier asked then what the guiding documents for 802.3ar are. Mr. Frazier asked about the outcome of the revised documents. Mr. Daines responded that those documents have no formal status beyond the task force thus the group would fall back on the original documents. Mr. Daines stated that the task force would take both the revised documents and feedback from 802.1 moving forward.

Mr. Law stated as there was no remaining business or motions on the floor relating to 802.3ar.

Mr. Law yielded the Chair back to Mr. Grow.

P802.3at – DTE Power Enhancements – Mike McCormack
Please refer to http://www.ieee802.org/3/minutes/nov06/1106_at_close_report.pdf

Mr. McCormack showed the progress of the group and noted progress on a classification baseline. Mr. McCormack noted approval for Monterey and Geneva. Mr. McCormack noted no dissent on the Seoul venue. Mr. McCormack noted that a liaison to 802.1AB was appointed.

Mr. McCormack showed the motions that had been approved since the interim meeting. Mr. McCormack also showed the classification baseline by Mr. Diab and Mr. Schindler that was adopted by the task force and noted that this was a positive and significant outcome for the group.

Mr. McCormack noted that even though not much else had been decided, the editor had been charted to create draft 0.1 for the Task Force use.

MOTION #10

Move that 802.3 working group affirm the motions of the P802.3at task force

M: Mike McCormack on behalf of Task Force

Tech 75%

MOTION PASSES by voice vote without opposition   16-Nov-2006 4:05PM

Discussion on the above motion:
- Mr. Dove noted that the midspan motion infers that this would mean that the midspan would require writing specification for midspans. Mr. McCormack stated that the midspan would replace the impediment of one element which is a patch panel.
- Mr. Dawe asked what the consequences of this motion.

- Mr. Mathey asked what the task force would do with the midspan motion in relation to the draft. Mr. Mathey noted that there is now a disconnect between the existing draft which states that midspans are outside the scope and this motion.
- Mr. McCormack noted that 802.3at is in uncharted waters as it was modifying an existing clause.
- Mr. Thompson noted that in essence that this is a revision project to 802.3 with a particular capability in mind.
- Mr. Thompson noted that task force votes have no force until a formal vote of the working was approved.

Mr. McCormack showed 3 liaison letters. Please refer to
http://www.ieee802.org/3/minutes/nov06/index.html

Mr. Grow asked if there was any discussion on any of the liaison letters presented. None were given.

MOTION #11

Move that the 802.3 WG chair forward the liaison correspondence:
"TIA Request.doc"
"TIA Response.doc" and
"ISO Response2.doc" with appropriate edits under his signature to the appropriate parties

M: M. McCormack
S: W. Diab

Tech 75%
MOTION PASSES by voice vote without opposition   16-Nov-2006 4:19PM

There was no discussion on the above motion.

Mr. Carlson was concerned as to the lack of progress in this project. To that effect Mr. Carlson asked Mr. McCormack a few questions:
- Crisp and updated timeline
- List of work deliverables

Mr. Carlson expressed that the group was at about 5% of where the project is in terms of the process.

Mr. McCormack responded that the group was aware of the issue and was working on improving the progress.

P802.3av – 10GEPON – Glen Kramer
Please refer to http://www.ieee802.org/3/minutes/nov06/1106_av_close_report.pdf

Mr. Kramer gave an update on the progress for the week. Mr. Kramer noted they were not able to conduct any surveys due to IEEE legal concerns.

Mr. Kramer showed the result of straw polls from the week.

HSSG (Higher Speed Study Group) – John D'Ambrosia
Please refer to http://www.ieee802.org/3/minutes/nov06/1106_hssg_close_report.pdf

Mr. D'Ambrosia showed progress for the week.

Mr. D'Ambrosia showed 2 liaison letters. Please refer to
http://www.ieee802.org/3/minutes/nov06/index.html

MOTION #12

Move that 802.3 approve and forward the liaison letter (goergen_03_1106) with
appropriate edits by the Chair (or his appointed agent), to the OIF.

M: J. D'Ambrosia
S: B. Booth

Proc 50%
MOTION PASSES by voice vote without opposition   16-Nov-2006 4:56PM

Discussion on the above motion:
- Mr. Dawe pointed out that both letters had very different styles, specifically that the letter can be read to imply that becoming a task force is automatic
- Mr. Grow noted that he will edit the language for consistence and to reflect that becoming a task force is not automatic

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MOTION #13

Move that 802.3 approve and forward the liaison letter (nowell_01_1106) with
appropriate edits by the Chair (or his appointed agent), to the ITU-T SG15.

M: J. D'Ambrosia
S: B. Booth

Proc 50%
MOTION PASSES by voice vote without opposition   16-Nov-2006 4:57PM

There was no discussion on the above motion

MOTION #14
Move that the HSSG requests that IEEE 802.3 extend the Higher Speed Study Group.
M: J. D'Ambrosia on behalf of Study Group.

Proc 50%

Y:56   N:1   A:1   MOTION PASSES   Date: 16-Nov-2006 5:00PM

Discussion on the above motion:
- Mr. Grow noted that implicit in this motion is his intention to request the EC to extend the SG

Mr. D'Ambrosia showed his plan for future meetings.

EEE (Energy Efficient Ethernet) CFI – Mike Bennett
Please refer to http://www.ieee802.org/3/minutes/nov06/1106_eee_cfi_close_report.pdf

Mr. Bennett recapped the CFI from Tuesday evening

MOTION #15
Move that the IEEE 802.3 working group request formation of an *Energy Efficient Ethernet* IEEE 802.3 study group to evaluate methods to reduce energy use by reduction of link speed during periods of low link utilization

M: M. Bennett
S: J. D'Ambrosia

50%

Y:51   N:2   A:6   MOTION PASSES   Date: 16-Nov-2006 5:13PM

Discussion on the above motion:
- Mr. D'Ambrosia spoke in favor of the motion
- Mr. Barrass spoke in favor of this motion and noted that there is support from global government agencies
- Mr. Thompson supported the formation of the study group but cautioned that in-depth study may be necessary before passing a PAR
- Mr. Thompson also requested that the EC be notified that the study of this subject may take time

Mr. Grow noted that after consulting with the WGAC, it is his intent to appoint Mr. Bennett as the chair of the study group.

1802.3 – David Law
Please refer to http://www.ieee802.org/3/minutes/nov06/1106_1802p3_close_report.pdf

Mr. Law gave background on the IEEE 1802.3-2001 Reaffirmation:
- Standards require reaffirmation or revision
    - Every 5 years
- Sponsor ballot group formation
    - Invitation Closed 29th July
- Sponsor balloting
    - Ballot opened 10th August
    - Ballot closed 9th September

Further, Mr. Law showed the statistics on the IEEE 1802.3 Reaffirmation Sponsor ballot which opened 10th August 2006, closed 9th September 2006 and received 8 comments. Mr. Law showed a proposed response to comment #2.

Discussion on the response:
- Ms. Thaler asked if she could show a prepared justification to her no vote.
- Mr. Thompson and Mr. Barrass echoed Ms. Thaler's concerns

Mr. Grow allowed Ms. Thaler to show justification to her no vote which was in the form of a short presentation.
Please refer to http://www.ieee802.org/3/minutes/nov06/1106_thaler_1.pdf

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MOTION #16
IEEE 802.3 recommends that IEEE Std 1802.3-2001 should be withdrawn and that this recommendation should be provided to the balloters.
The recirculation cover letter and comment database should reflect this recommendation.

M: G. Thompson
S: H. Barrass

Tech >= 75%
Y:33   N:1   A:17   MOTION PASSES   Date: 16-Nov-2006 5:40PM

Discussion on the above motion:
- Mr. Mathey asked if a vote on the BRG was necessary. Mr. Grow responded that it wasn't
- Mr. Dawe asked what happens to withdrawn standards and Mr. Thompson responded that they are kept and may be on the CD

Ms. Thaler yielded the floor back to Mr. Law who showed the following motion:

MOTION #17
If recirculation is required:
IEEE 802.3 authorises the IEEE 802.3 Maintenance Task Force to send out the comment responses to the IEEE Std 1802.3-2001 reaffirmation sponsor ballot to sponsor recirculation ballot.

IEEE 802.3 requests conditional approval (procedure 20) for submission to the REVCOM.

M: D. Law
S: M. McCormack

Tech >=75%

MOTION PASSES by voice vote without opposition   Date: 16-Nov-2006 5:46PM

There was no discussion on the above motion

Future Meetings – Steve Carlson

Please refer to http://www.ieee802.org/3/minutes/nov06/1106_interim_close.pdf

Mr. Carlson showed the results from the individual group polls for the January 2007 interim proposal for Monterey, CA:

> 802.3at   Y: 32 N:0 A:0
> 802.3av   Y: 32 N:0 A:5
> HSSG   Y: 79 N:0 A:12
> Note: 50% Procedural - PASS

Mr. Carlson showed a proposed schedule for the January interim.

WORKING GROUP POLL #1
I will attend the January 2007 15-19 Interim in Montery, CA.

51

Mr. Carlson showed the results from the individual group polls for the May 2007 interim proposal for Geneva, Switzerland:

> 802.3at   Y: 34 N:0 A:4
> 802.3av   Y: 38 N:0 A:3
> HSSG   Y: 76 N:0 A:18
> Note: 50% Procedural - PASS

Mr. Carlson showed the results from the individual group polls for the September 2007 interim proposal for Seoul, South Korea:

> 802.3at   Y: 18
> 802.3av   Y: 32 N:3 A:6
> HSSG   Y: 43 N:18
> Note: 50% Procedural - PASS

Regarding the Korea venue, Mr. McCormack pointed out that there was no objection on Korea from his group, so the numbers may actually be higher.

Please visit http://grouper.ieee.org/groups/802/3/interims/index.html for interim meeting details.

Please refer to http://www.ieee802.org/meeting/index.html for plenary meeting details.

Liaison from 802.1 - Ms. Pat Thaler
Ms. Thaler gave a brief summary of the events from 802.1 this week. Ms. Thaler indicated that the comment from Mr. Grow on wireless was accepted. Ms. Thaler said that 802.1 had 20 some PARs open that could be seen on their website.

MOTION #18

Motion to adjourn.

M: H. Barras
S: J. D'Ambrosia
Procedural 50%

MOTION PASSES by voice vote without opposition Date: 16-Nov-2006 6:00 PM

Adjourned.