

Plenary Meeting – March 2008 – Orlando, FL USA

Official Meeting Minutes

Chair = Mike McCormack

Recording Secretary = Bill Delveaux

Note: All times given in local Orlando (EST) time

Note: See Comment Resolution database for a record of those events

March 18, 2008:

Meeting called to order at 9:10am

Introductions – went around the room

At 9:13am:

Recording Secretary appointed – Bill Delveaux

Discussing the books:

Must initial your affiliation in the book

If you do not initial, you do not get credit for attending the meeting

Agenda:

Tuesday:

- Appoint Recording Secretary
- Introductions
- Review and discuss agenda
- Patent Review / Rules Review
- Liaison / Subcommittee Reports (subject to availability of officers)
- Chair's comments (subject to availability of the chair)
- Following noon break - Channel adhoc meeting for the balance of the day

Wednesday / Thursday

- Patent Review
- Approve minutes of November/January meeting (once)
- Subcommittee Reports (subject to availability of officers)
- Midspan, L2, & 4-Pair Adhocs (Wednesday)
- Plan next meeting (Thursday)

At 9:21am - Agenda passed without opposition (voice vote)

At 9:22am - Patent Policy read by Mike McCormack

- Patent Policy has been updated
- Links provided
- 5 Slides pertaining to the patent policy were presented.

- Chair asks if any of the members wants to identify any patent claim / patent applications that affects the standards – none
- Requested any letters to submit – none

Ground Rules – mutual respect and consideration

- No cost, product pitches, etc
- All may speak and vote
- No restrictions on presentations or materials
- No prices in any currency, complexity is OK
- 802.3 rules apply

Rules – in general... behave

Rules – web sites presented for bylaws, operating rules, etc presented.

Electronic information

- Web address – <http://www.ieee802.org/3/at/index.html>
- eMail reflector – stds-802-3-poep@ieee.org
- Private Area – user name and password given (not recorded here)
- Next meeting – monitor www.ieee802.org/meeting/index.html

Time Limit review:

Presentations:

- 45 min max
- 15 min discussion max

Debate of Motions:

- 2 turns to speak, priority to first time speakers
- 3 minutes per speaker max
- 30 min per motion max

Debate of comments

- 2 turns to speak, priority to first time speakers
- 1 min per speaker max
- 5 min per comment max

Valerie MacGuire stood up and said a few words on behalf of TIA. Basically, re-affirming 720mA up to 45 C

Wael Diab stood up and said a few words on the ISO meeting he attended. Wael is not a member of ISO. Reviewed the Liaison letter from ISO. The letter is located at <http://www.ieee802.org/3/at/public/mar08/index.html>

AdHoc Report on Layer 2 – Wael Diab – diab_1_0308.pdf

Started at 9:40am

- Reviewed the agenda of that meeting
- Reviewed questions and responses from 802.1. (Message 00701 on the email reflector - http://grouper.ieee.org/groups/802/3/poep_study/email/msg00701.html)
- Timing TBDs reviewed and thinking of the L2 group
- Defined behavior for a shutdown message
- Review of Contributions

Mike McCormack, completing the adhoc updates, says that channel adhoc did not meet since Portland, and they meet this afternoon. Yair will have a 4-pair adhoc meeting tomorrow.

Mike continues – we are not in a comment cycle right now. Are there any changes that must be made before we release the draft? Please email them to the reflector.

“A contribution on Cable Current de-rating vs. Temperature for PoE+” – Sterling Vaden – vaden_1_0308.pdf

Started at 10:13am

- Temperature Rise in cables
- I2R curves - Nexans
- ISO curve matches the 127 bundle curve presented in this slide deck
- UL444 specifies temperature derating

** Break at 10:43am

Objective 6 – Bill Delveaux – delveaux_1_0308.pdf

Started at 11:10am

- Review objective 6
- Do we meet the objective?
- Do we want to change anything?

Motion by Bill Delveaux, Seconded by D. Matthew Landry :

Move that the IEEE 802.3at TF task the chair to propose to the 802.3 group that objective 6 be removed.

.3 voters:

For: 21 Against: 5 Abstain: 5

All in room:

For: 26 Against: 8 Abstain: 10

Technical Motion – passes at 12:16pm

Channel adhoc meeting this afternoon at 1:30pm

Please note: All voting is taken by name. Please refer to http://grouper.ieee.org/groups/802/3/at/public/mar08/ballots_1_0308.pdf for the voter record spreadsheet.

** Meeting adjourned at 12:19pm

March 19, 2008:

Meeting called to order at 9:08am

The chair asked if there was a request to review the patent policy. No one requested this.

The chair asked if there were any new patents. No one responded.

The chair asked if there were any letters of assurance. Daniel and Yair asked to address the group.

Yair stood up and said "Microsemi is going to send a letter of assurance today to IEEE which waives compensation regarding 4-pair technology as specified in the LoA letter format".

The recording secretary stood up at 9:15am and read the above words verifying that it was captured accurately. No opposition was voiced.

Fred stood up and gave a short overview of the Channel adhoc from yesterday afternoon. 37 people attended, he will post the slides on the reflector.

Two emails were sent to the reflector regarding changes to draft 2.0. Discussion about each of the items.

Refer to the file *mccormack_1_0308.pdf* on the meeting reflector for the details. Some brief comments on the proceedings:

The plan is to review the requested changes and decide to explain the changes or do another quick revision and submit that to 802.3.

Regarding comment 52 from Yair - There is consensus to not address this before working group submission. The group agrees to correct this during working group ballot.

One vote on whether to include new text in the draft – failed at 44%

All in room:

For: 11 Against: 14 Abstain: 7

Motion by Wael Diab, Seconded by Dan Dove

Alter the agenda for Wednesday to the following:

Midspan at 1pm

4-pair at 2pm

Layer 2 at 3pm

Reconvene 802.3at at 4pm

Motion Passes via voice without opposition (at 12:12pm)

** Break for lunch at 12:13pm

At 4:15pm - Resume discussion on changes to draft 2.0 before submitting to Working Group

Clay Stanford discusses PSE state diagram

It was moved by the chair to accept Clay's suggestions as outlined in his email. Email can be found in the email reflector as message number 00734

http://grouper.ieee.org/groups/802/3/poep_study/email/msg00734.html

Move that the IEEE 802.3at TF task the chair to propose to the 802.3 group that objective 6 be removed.

.3 voters:

For: 18 Against: 2 Abstain: 5

All in room:

For: 23 Against: 3 Abstain: 13

Technical Motion – passes at 4:41pm

802.3at Task Force Temperature De-rating – Fred Schindler – schindler_1_0308.pdf

Started at 4:43pm

- Presentation on derating
- Impact of temperature derating on the broad market appeal of PoE Plus

Motion by Fred Schindler, Seconded by Dan Dove :

Move that IEEE 802.3at changes the 15C de-rating to a 10C de-rating for Type 2 Cable De-rating. Charter the Editor to update 33.1.4.2 and table 33-1 of the draft accordingly per the ISO liaison 3N864.

All voters:

For: 35 Against: 0 Abstain: 6

802.3 voters were asked if anyone wanted to change their vote – no one requested to change their vote.

Technical Motion – passes at 5:04pm

Alternative Derating – Daniel Feldman – feldman_1_0308.pdf

Started at 5:06pm

- Presentation on additional markets for PoE Plus
- Cable bundle may be much less than 100 cables
- May not have all pairs energized
- Clay asked What does "out of scope" mean? Answer: If you violate items that are in the standard, you are not compliant with the spec.

Motion by Daniel Feldman, Seconded by Anoop Vetteth :

Add a note to section 33.1.4.2: Alternate derating temperatures based on additional information for specific cabling infrastructures is beyond the scope of the standard.

The motion is withdrawn at 5:49pm

Motion by Clay Stanford, Seconded by Daniel Feldman :

Add a note to section 33.1.4.2: Cable current carrying capacity is a function of cable type, cable installation practices, environmental conditions, and PoE system architecture. In addition, different levels of power delivery can be accomplished with different supply voltages and different cable lengths. It is out of the scope for this standard to address these alternate PoE system implementations.

All in room:

For: 20 Against: 3 Abstain: 13

802.3 voters were asked if anyone wanted to change their vote – no one requested to change their vote.

Technical Motion – passes at 5:58pm

Alternative Derating – Wael Diab – diab_2_0308.pdf

Started at 6:16pm

- Presentation on Layer 2 adhoc meeting

Motion by Wael Diab, Seconded by Ramesh Sastry :

The 802.3at TF asks the 802.3at Chair to forward the following informal communication:

“802.3at has defined the TLVs for PoEP. 802.3at is moving towards WG Ballot and would like to understand how to port the newly defined TLVs to 802.1ABREV.”

All voters:

For: 23 Against: 0 Abstain: 3

Procedural Motion – passes at 6:20pm

Motion by Wael Diab, Seconded by Steve Carlson :

Move that:

The 802.3at TF adopts the TBD L2 and startup timer changes as shown on pages 4 and 5 in diab_3_0308.pdf

All voters:

For: 23 Against: 0 Abstain: 4

802.3 voters were asked if anyone wanted to change their vote – no one requested to change their vote.

Technical Motion – passes at 6:23pm

Alternative Derating – Ramesh Sastry – sastry_1_0308.pdf

Started at 6:24pm

- Presentation on changes

Motion by Ramesh Sasatry, Seconded by Randy Rannow :

Propose that the adhoc recommend to the TF the following changes:

Page 90 Table 33-22

power type Bits 7:6

1 1 = Type 1 PD

1 0 = Type 1 PSE

0 1 = Type 2 PD

0 0 = Type 2 PSE

All voters:

For: 25 Against: 0 Abstain: 2

802.3 voters were asked if anyone wanted to change their vote – no one requested to change their vote.

Technical Motion – passes at 6:29pm

** Meeting adjourned at 6:29pm

March 20, 2008:

Meeting called to order at 9:10am

The chair asked if we there was a request to review the patent policy. No one requested this.

The chair asked if we there was any new patents. No one responded.

The chair asked if there were any letters of assurance. No one responded.

Motion by Ramesh Sasatry, Seconded by Randy Rannow :

Make the following changes:

Page 90 Table 33-22

power type Bits 7:6

1 1 = Type 1 PD

1 0 = Type 1 PSE

0 1 = Type 2 PD

0 0 = Type 2 PSE

All voters:

For: 23 Against: 0 Abstain: 3

802.3 voters were asked if anyone wanted to change their vote – no one requested to change their vote.

Technical Motion – passes at 9:21am

Final TBD addressed – Refer to the file *mccormack_1_0308.pdf* on the meeting reflector for the details.

** Break at 9:34am

Group resumes at 10:01am

Review upcoming 802.3 meeting this afternoon

Objective Change 1

Objective 2 rewording:

Motion voted down - "The target infrastructure for PoEPlus will be 25 ohm or lower loop resistance systems (e.g., category 5e, class D or higher systems). Further, we will not cause a safety issue for a legacy installation conformant to ISO/IEC 60950."

Proposed compromise – "The target infrastructure for PoEPlus will be ISO/IEC 11801-1995 Class D (or higher systems) 25Ω (or lower systems). Further we will not cause a safety issue for a legacy installation conformant to ISO/IEC 60950."

Chair's reasoning:

Previous

Bad precedent

Did not limit installations

Present

Precedent is someone else's problem

Other installations are niche

Objective Change 2

Given Objective 5 is still in place, and Objective 6 has been found to be inconsistent with Objective 5, we:

Move that Objective 6, which states "PoEPlus shall support a minimum of 30 Watts of power at the PD PI." be removed.

Moved on behalf of the task force

Housekeeping items:

- How many people plan to attend the May interim during the week of May12th in Munich?
 - 22 said yes, 8 might attend, 4 said no

- How many people plan to attend the September interim during the week of September 15th in China?
 - 14 said yes, 8 might attend, 8 said no

Motion by Fred Schindler, Seconded by Yair Darshan :

Move that the task force accept P802d3at_D2p1B.pdf as Draft 2.1

All voters:

For: 31 Against: 0 Abstain: 4

802.3 voters were asked if anyone wanted to change their vote – no one requested to change their vote.

Technical Motion – passes at 10:21am

Motion by Chad Jones, Seconded by Martin Patoka :

Move that the IEEE P802.3at Task Force request IEEE 802.3 Working Group to forward Draft 2.1 to Working Group ballot, and authorize the IEEE P802.3at Task Force to respond to ballot comments and conduct recirculations as required.

All voters:

For: 35 Against: 0 Abstain: 1

802.3 voters were asked if anyone wanted to change their vote – no one requested to change their vote.

Technical Motion – passes at 10:30am

Motion to adjourn by Chad Jones, seconded by Bill Delveaux, motion passes without opposition by voice.

** Meeting and session adjourned at 10:34am

Next meeting will be announced via the email reflector.

Ballot Spreadsheet can be found at:

http://grouper.ieee.org/groups/802/3/at/public/mar08/ballots_1_0308.pdf