

1/13/09

Meeting Attendees:

Name	Employer	Affiliation
Mike Bennett	LBNL	LBNL
Jim Barnette	Vitesse	Vitesse
Gavin Parnaby	Solarflare	Solarflare
Brad Booth	AMCC	AMCC
Velu Pillai	Broadcom	Broadcom
Joseph Chou	Realtek	Realtek
Bryan Dietz	Alcatel-Lucent	Alcatel-Lucent
Michael Grimwood	Broadcom	Broadcom
Sanjay Kasturia	Teranetics	Teranetics
Hugh Barrass	Cisco	Cisco
Dan Dove	ProCurve	ProCurve
Adam Healey	LSI	LSI
Dimitry Taich	Teranetics	Teranetics
Wael Diab	Broadcom	Broadcom
David Law	3Com	3Com
Geoff Thompson	GCSI	Nortel
Dixon Liao	ICplus	ICplus
Ahmad Nouri	Broadcom	Broadcom

Meeting opened with introductions at 8.48am

Hugh Barrass "volunteered" to act as recording secretary.

Motion #01 The meeting minutes from the last meeting were approved by voice.

Mike informed the attendees about the attendance recording mechanisms and briefly described the rules for voting membership.

Mike displayed the patent policy slides, reading aloud the highlights and guidelines and allowing time for the group to digest the information. There was no response from the members to the call for patents. These slides and other general information are included in Mike's presentation available on the website.

There was no response to the call for potentially essential patents.

Mike discussed the agenda and presentation order and then the TF started to review presentations, for each one some of the flavor of the comments and discussion is also captured.

Mike commented that the timeline included in the opening agenda may be problematic. There was some discussion around the milestone that shows WG ballot starting in March.

Mike turned the meeting over to Sanjay for comment resolution.

Joseph Chou presented on "response to comments on Clause 24" - chou_01_0109.pdf and comments on Clause 24 were resolved.

David Law presented on "Wait time from a system perspective" - law_01_0109_V3_0.pdf - in conclusion, an ad-hoc (the shrinkage ad-hoc) will be chartered to resolve the issues highlighted in the final slide.

Wael Diab presented on "LLDP use in EEE" - diab_02_0109.pdf

Motion #2

Move that the IEEE 802.3az TF adopt diab_02_0109.pdf (pages 21 - 29) as a baseline for inclusion in D1.2, with an editor's note outlining the work to be done, and to charter an ad-hoc to progress the work.

M: S. Carlson S: A. Vetteth

Technical $\geq 75\%$: Y: 18 N: 0 A: 2

Adam Healey presented "1000BASE-T PHY Control State Diagram Modifications"
healey_02_0109

There was discussion about Clause 40 state machines - mostly regarding interruptible & uninterruptible updates.

Straw poll #1

I prefer uninterruptible update shown on pages 6 and 7 in Healey_02_0109.
Y: 10 N: 3 A: 3

Continued processing comments

Meeting recessed at 5:30 PM CST

1/14/08

Meeting resumed at 8:45 AM CST

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Name	Employer	Affiliation
Mike Bennett	LBNL	LBNL
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Brad Booth	AMCC	AMCC
Velu Pillai	Broadcom	Broadcom
Joseph Chou	Realtek	Realtek
Bryan Dietz	Alcatel-Lucent	Alcatel-Lucent
Michael Grimwood	Broadcom	Broadcom
Sanjay Kasturia	Teranetics	Teranetics
Hugh Barrass	Cisco	Cisco
Dan Dove	ProCurve	ProCurve
Adam Healey	LSI	LSI
Dimitry Taich	Teranetics	Teranetics
Wael Diab	Broadcom	Broadcom
David Law	3Com	3Com
James McIntosh	Vitesse	Vitesse
Dixon Liao	ICplus	ICplus
Ahmad Nouri	Broadcom	Broadcom
Steve Carlson	HSD	HSD

Recording secretary for today is Ahmad Nouri

Presentation by Gavin Parnaby: 10GBASE-T EEE Synchronization
paraby_01_1108.pdf
Specific text in 55.3.5.1

Presentation by David Law: Two TX Wait Timers in RS for 10GBase-T operation
law_4_0109.pdf

Need to calculate the worst wait time and normal wake time.

Presentation by David Law: Symmetric and asymmetric modes
law_2_0109.pdf

Only symmetric at PHY level At system level asymmetric.
Defining two modes is confusing. Better to remove the modes and just mention this exception in PHY it relates to.

Presentation by Velu Pillai: Clause 49 State Diagrams
pillai_01_0109.pdf

Discussion on Clause 49 changes

Presentation by Velu Pillai: KR, KX4 and KX, LPI parameters:

pillai_02_0109.pdf

It was suggested that the task force take a motion to modify slides to include this presentation in the draft and to show min max (10%) tolerance in table 78-2

Presentation by Velu Pillai: Clause 73 Message Page 10

louie_02_0109.pdf (Velu presented John's slides)

Provided details for bit definitions for message page 10 (Annex 73A and 45.2.7.13a)

Presentation by James McIntosh: Getting Stuck in UPDATE in the 1000-BASE-T PHY Control State Machine

mcintosh_01_0109.pdf

Identified two corner cases that could lead to being stuck in UPDATE and proposed a modification to the state diagram in Figure 40-15b as a solution.

Presentation by Mike Grimwood: Changes to the 1000Base-T PHY State diagram Corner Case Analysis

grimwood_02_0109.pdf

Adam Healy , LSI presentation: 1000Base-T PHY Control State Diagram Modifications

healey_02_0109.pdf

Lively discussion on the minimum wait-time to deassert LP_IDLE and reassert it again as well as adding a new state. This discussion was running into the lunch break so chair asked the task force to break and resume the discussion after lunch.

Break at approximately 12:20 PM CST

Meeting resumed at approximately 1:25 PM CST

Adam Healy continued presentation on state diagram timer and the discussion continued.

Staw Poll#1

I prefer uninterruptible update shown on pages 6 and 7 in Healey-02_0109.pdf

Yes: 10

No: 3

Abstain: 3

Comments 102:

There was a motion to accept in principle that passed (see resolved comments) however the accept in principle was intended to apply to multiple comments, not just comment 102. Hence the motion to reconsider and modify to apply to other comments (see resolved comments for details)

Motion to reconsider by Bryan Dietz,
Motion passes by voice.

New motion:

Update state diagram per Healey_02_0109.pdf page 6 and 7 as resolution to comments 102, 12, and 87

Technical $\geq 75\%$: Y: 13 N: 2 A: 2

Motion passes

At this point the Executive Secretary of 802.3 had been waiting patiently for the task force chair to poll the room regarding future meeting attendance. Mike took the following

Straw Poll#1

Will you be attending The March 09 plenary in Vancouver

Yes: 7

No: 2

Not sure: 4

Will you be attend the May 09 802.3 interim if it is held in:

North America :12

Europe: 3

Asia: 3

Will you be attend the September 09 802.3 interim if it is held in:

North America :12

Europe: 3

Asia: 3

Discussion resumed on comment #102

Adam Healey presentation: on Comment #102

Proposed Accept in Principle:

Implement Changes per Healey_02_01_109.pdf

Sanjay put the remaining editorial comments up for brief display and discussion.

Comment resolution finished at approximately 6:45 PM CST

Motion #6 Grant the editors license to resolve all of the remaining unresolved editorial comments.

P: Hugh Barrass S: Dimitry Taich

P: 19 S: 0 A: 0

Technical $\geq 75\%$

Motion passes

Motion #3 Move that the 802.3az TF adopt pillai_01_0109.pdf (pages 3 - 6) as the baseline for inclusion in Draft 1.2 of P802.3az.

P: Velu Pillai S: Hugh Barrass

Y: 16 N: 0 A: 1

Technical $\geq 75\%$

Motion passes

Motion #4 Move that the 802.3az TF adopt pillai_02_0109.pdf (pages 3 - 15) as the baseline for inclusion in Draft 1.2 of P802.3az.

P: Velu Pillai S: Hugh Barrass

Y: 16 N: 0 A: 1

Technical $\geq 75\%$

Motion passes

Motion #5 Move that the 802.3az TF adopt louie_01_0109.pdf (pages 4 - 5) as the baseline for inclusion in Draft 1.2 of P802.3az.

P: Velu Pillai S: Brian Dietz

Y: 16 N: 0 A: 1

Technical $\geq 75\%$

Motion passes

Motion #7 Move that draft 1.1 plus the resolution of comments as recorded in 8023azd1p1.pdf and motions on draft 1.1 be used as the basis for the generation of draft 1.2 of 802.3az

P: David Law S: Brian Dietz

Y: 16 N: 0 A: 0

Technical $\geq 75\%$

Motion passes

Sanjay led some discussion regarding the next review cycle schedule.

TF review draft 1.2 will open 2/4, close 2/24.

Responses posted 3/3

Meeting recessed at approximately 6:45 PM CST.

1/15/2009

Mike Bennett	LBNL	LBNL
Jim Barnette	Vitesse	Vitesse
Gavin Parnaby	Solarflare	Solarflare
Velu Pillai	Broadcom	Broadcom
Joseph Chou	Realtek	Realtek
Bryan Dietz	Alcatel-Lucent	Alcatel-Lucent
Michael Grimwood	Broadcom	Broadcom
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David Law	3Com	3Com
Geoff Thompson	GCSI	Nortel
Dixon Liao	ICplus	ICplus
Ahmad Nouri	Broadcom	Broadcom
Stephen Alie	Cortina	Cortina
Phillipe Klein	Broadcom	Broadcom

Meeting began at approximately 8:40 AM CST

There was a discussion on the impact of not going to working group ballot in March. Schedule will slip approximately four months. There was one possible alternative that seemed extremely difficult and had a very low probability of success.

Phillipe Klein presented on Audio Video Bridging (AVB) Power Management. There was discussion on the terminology and general agreement that the various groups would need to define the terms so we understand each other.

Motion to adjourn was made by D. Law and seconded by S. Carlson, passed by voice.

Meeting adjourned at approximately 10:40 AM CST.