7/15/08

Meeting Attendees:

Name	Employer	Affiliation
Mike Bennett	LBNL	LBNL
Gavin Parnaby	Solarflare	Solarflare
Mario Traeber	Infineon	Infineon
Robert Grow	Intel	Intel
Jeff Lapak	UNH-IOL	UNH-IOL
Bill Woodruff	Aquantia	Aquantia
Anthony Magee	ADVA	ADVA
Lloyd Budd	Nexans	Nexans
Dan Dove	ProCurve	ProCurve
Joseph Chou	Realtek	Realtek
Tseng Ta Chin	Realtek	Realtek
Angus (Shang-Ta) Lee	Realtek	Realtek
Wiren Perera	Plato Networks	Plato Networks
Ahmad Nouri	Broadcom	Broadcom
Robert Hays	Intel	Intel
Velu Pillai	Broadcom	Broadcom
Michael Grimwood	Broadcom	Broadcom
Rick Tidstrom	Broadcom	Broadcom
Wael Diab	Broadcom	Broadcom
Scott Powell	Broadcom	Broadcom
Sanjay Kasturia	Teranetics	Teranetics
George Zimmerman	Solarflare	Solarflare
Hugh Barrass	Cisco	Cisco
Mandeep Chadha	Vitesse	Vitesse
Adam Healey	LSI	LSI
David Koenen	HP	HP
Dimitry Taich	Teranetics	Teranetics
David Law	3Com	3Com
Ryogo Kubo	NTT	NTT
Jim Graba	Broadcom	Broadcom
Shinkyo Kaku	Allied Telesis	Allied Telesis

Meeting opened with introductions at 9.00am

Hugh Barrass "volunteered" to act as recording secretary.

Motion to approve the minutes: P: Barrass; Wael Diab.   Minutes from last meeting passed by voice

Mike reminded everyone of the sign in rules, especially the requirement to declare affiliation, 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. These slides and other general information are included in Mike's presentation available on the website. Mike read slide #3, call for essential patents, aloud and asked the task force if anyone had a claim. No mentioned having a claim.

The TF started to review presentations, for each one some of the flavor of the comments and discussion is also captured.

Ryogo Kubo presented "Hybrid LPI and subset PHY approach" - kubo_01_0708.pdf

Some questions were asked regarding the effectiveness of subset PHY compared to auto-negotiation or LPI.

Mike allocated some time to review the sections of the draft 0.1.

Dmitry Taich discussed Clause 93 - the overview section.

There was some discussion about nomenclature. The group is encouraged to look at nomenclature throughout the document and consider how we should approach terms like "EEE" & "LPI."

Mandeep Chadha discussed Clause 14 - 10BASE-T

Most of the discussion centered on the naming (or otherwise) of the PHY with the lower transmit amplitude. Mike will prepare a staw poll to ask the group about naming & labeling. It may be possible that defining 10BASE-Te explicitly as a subset of 10BASE-T functionality and using the phrase "a 10BASE-Te PHY" instead of "10BASE-Tee mode" will resolve the issues that many people have.

The question of whether 10BASE-Te should be indicated as a capability in the next page advertisement is still open.

Joseph Chou discussed Clauses 24 & 25 - 100BASE-TX, and presented "Timing Parameters of LPI 100BASE-TX" - chou_01_0708.pdf

There was some discussion around some of the state machines and particularly the "SIGNAL_DETECT" function.

Bob Grow discussed Clauses 24 & 25 - 100BASE-TX with respect to the import of FDDI specifications into 802.3.

Once more, the TF was awed by the difficulty of the TP-PMD import work.

Gavin Parnaby discussed Clause 55 - 10GBASE-T along with a presentation of open items parnaby_01_0708.pdf

Adam Healey discussed Clause 40 - 1000BASE-T along with a presentation of open items healey_01_0708.pdf

Adam asked that group members take some time to review the state machine diagrams in his draft.

Mike Grimwood also discussed Clause 40, with reference to the presentation on 1000BASE-T parameters - grimwood_02_0708.pdf

There were some discussions on the details of the parameters and their constituent parts.

Hugh Barrass discussed Clauses 22, 35 and 46 - the xMII clauses as well as Clause 45 - management

It was clear that the management definitions will be required to follow the lead of the PHY clauses.

David Koenen presented "Backplane Ethernet Low Power Idle" - koenen_01_0708.pdf

There were some questions related to symmetric and asymmetric operation.

Wael Diab presented on the subject of 802.3 use of LLDP and the interface with 802.1 - diab_01_0708

The discussion was supportive of Wael's approach.

Straw poll #1

In favor of endorsing diab_01_0708 choice # 3 for the joint discussion with 802.1

Y: 26
N: 0
A: 3

Meeting recessed at 5:30 PM

7/16/08

Note: The morning sessions were taken up with the joint 802.1/802.3 meeting and an informal editors' meeting (that was also attended by some non-editors).

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Kevin Brown	Broadcom	Broadcom
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Hugh Barrass	Cisco	Cisco
Mandeep Chadha	Vitesse	Vitesse
Adam Healey	LSI	LSI
David Koenen	HP	HP
Dimitry Taich	Teranetics	Teranetics
Sudhakar Gundurogula	Marvell	Marvell

The afternoon session began with David Koenen presenting an updated version of his presentation - koenen_02_0708.pdf

David cleared up the questions regarding asymmetry in the backplane proposals

There was also some discussion on counters (and MIBs).

Motion #1

P802.3az Task Force adopt the 1000BASE-T LPI timing praameters presented on slide #5 of grimwood_02_0708.pdf for inclusion into the next draft revision of IEEE 802.3az

P: Rob Hayes S: Mandeep Chadha

Technical 75%
Y: 18 N: 0 A: 1 - motion passes.

Motion #2

Adopt the LPI timing parameters of LPI 100BASE-TX presented on slide #12 of chou_02_0708.pdf for inclusion into the next draft revision of IEEE 802.3az

P: Joseph Chou S: Michael Grimwood

Technical 75%
Y: 18 N: 0 A: 1 - motion passes.

Sanjay Kasturia presented the editors' report - kasturia_02_0708.pdf

The TF then recessed to meet with 802.3av and 802.3ba TFs.

The TF then reconvened and David Koenen continued with the update for his backplane proposal - koenen_02_0708.pdf

David discussed details of the signaling in his backplane proposals

Motion #3

P802.3az Task Force adopt the Backplane Ethernet Low-Power Idle proposal in koenen_02_0708 as part of the baseline solution for 10GBASE-KR, 10GBASE-KX4 and 1000BASE-KX Energy Efficient Ethernet

P: Velu Pillai S: David Koenen

Technical 75%
Y: 18 N: 0 A: 3 - motion passes.

Mike asked Gavin Parnaby and other 10GBASE-T interested parties to form an ad-hoc to build consensus on resolution of some of the TBDs in the 10GBASE-T section of the draft.

Mike presented some information regarding future meetings.

Some straw polls regarding attendance:

How many of you are new to this meeting (P802.3az task force): 4

Of those who are new, how many plan to continue attending: 1

How many people will go to September Interim: 15
How many might attend (unsure): 5
How many will not go: 1

How many people will go to November plenary: 16
How many might attend (unsure): 4

How many will not go: 0

Motion to adjourn: P: Hugh Barrass S: Bill Woodruff, passed by voice.

Meeting adjourned at 6: 10 PM