

Unapproved Minutes

IEEE P802.3ap Backplane Ethernet
November 14, 2006
Dallas, TX

Prepared by Shannon Sawyer

November 14, 2006

Meeting convened at 9:05am

Attendee Introductions

Appointment of recording secretary

- Shannon Sawyer volunteered and was appointed by the task force chair

Motion to approve agenda

- moved to accept by Charles Moore
- seconded by Ilango Ganga
- approved by acclamation

Motion to approve minutes from September 2006 interim

- moved to accept by Rich Mellitz
- seconded by Charles Moore
- approved by acclamation

Task Force chair read the patent policy

- instructions for the WG chair.
- IEEE-SA standards board bylaws on patents in standards.
- inappropriate topics for the IEEE WG meetings.

Ilango Ganga presented Editor's Report: ganga_01_1106.pdf

Comment Resolution

Morning Break 10:35-11:00

Comment #43 discussion

Straw Poll

Make the channel normative per suggested remedy on comment Bill Jones #43?

- Yes – 6
- No – 8
- Abstain – 1

Motion #1

- Move to accept suggested remedy
- Moved: George Zimmerman
- Seconded: Chris Diminico
- Technical ($\geq 75\%$)
- Mover withdrew after discussion

Motion #2

- Move to accept the suggested remedy

- Moved by George Zimmerman
- Seconded by Chris Diminico
- Technical ($\geq 75\%$)
- Yes: 4
- No: 9
- Abstain: 0
- Motion fails

Lunch Break 12:30-1:45

Shannon Sawyer presented for comment #47 on adding low frequency sinusoidal jitter tolerance test to test for RX functionality with 300kHz to 1MHz (typical DC/DC converter switching frequency)

Charles Moore presented for low frequency sinusoidal jitter tolerance test

Straw Poll: whether we should add a low frequency jitter tolerance test?

- Yes: 5
- No: 2
- Abstain: 0

Afternoon Break 3:30-4:00

Further discussion regarding comment #47:

- Presented jitter values were too high compared to 10GBASE-S
- Presented jitter values subtracted TX DJ, and didn't differentiate between low freq DJ and high freq DJ.
- Measured jitter tolerance results with 3.125 Gbps and 10.3125 Gbps architectures were using 8B/10B and open eye systems, and were possibly not conservative enough for 64/66 systems.
- Changing the TX high pass filter and DJ values to separate jitter frequency components between low and high frequency.
- If draft is left as is, it explicitly states TX jitter above 4MHz, and implies receiver operation with all low frequency jitter components.

Agreement was found to leave low frequency jitter tolerance testing as implied, and comment #47 was withdrawn.

Motion #3

- Grant editorial license to the P802.3ap editors to respond to unresolved editorial comments on D3.1
- Draft 3.1 and the resolution of comments against Draft 3.1 be used as the basis for the generation of Draft 3.2
- Forward Draft 3.2 for second sponsor ballot recirculation
 - Moved: T. Palkert
 - Seconded: Charles Moore
 - Technical ($\geq 75\%$)
 - (All, 802.3) Y: 8, N: 0, A: 0
 - Motion Passes

Motion #4

Request that the 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

- Moved: Charles Moore
- Seconded: Rich Mellitz
- Technical ($\geq 75\%$)
- (All, 802.3) Y: 7, N: 0, A: 1
- Motion Passes

Motion to adjourn

Moved: Howard Baumer

Seconded: Magesh Valasubramian

Passed by acclamation

Meeting adjourned at 4 pm

Attendance

Howard Baumer	Broadcom
Ilango Ganga	Intel Corporation
Adam Healey	Agere Systems
Thomas Jorgensen	Vitesse
Rich Mellitz	Intel Corporation
Charles Moore	Avago Technologies
Chris Diminico	MC Communications
Arthur Marris	Cadence
Tom Palkert	Xilinx
Prakash Radhakrishnan	Intel Corporation
Shannon Sawyer	Intel Corporation
Andre Szczepanek	Texas Instruments
Pat Thaler	Broadcom
Magesh Vallioppa	Broadcom
George Zimmerman	Solarflare