802.3 Closing Report

IEEE 802.3
Next Generation
100Gb/s Optical Ethernet Study Group

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Atlanta, Georgia – 11/10/2011
Overview

• Meeting highlights
  – 71 People signed the attendance sheet
  – 19 Presentations from various contributors
  – 2.5 days of meetings
  – Informally met on Monday morning for common-time with p802.3bj

• Straw Polls
  – 4 straw polls for attendance were performed

• Motions
  – 4 motions related to objectives were made

• Other
  – Appointed Jonathan King to operate “MMF Adhoc”
Straw Polls

November, 2011
Straw Poll #1:

Chicago Rules

A) I’m happy with 100GBASE-LR4 and not interested in a PMD supporting a reach between LR4 and SR4

B) I would like to hear more about Jack Jewell’s Mid-wave VCSEL based PMD and encourage additional development.

C) I would like to hear more about John Petrilla’s parallel 1310 nm SMF based PMD and encourage additional development.

D) I would like to hear more about Jon Anderson’s parallel 1310 nm SMF based PMD and encourage additional development.

Results:

a) 1  b) 41  c) 48  d) 55
Straw Poll #2:

Chicago Rules

• A) I would like to hear more about Tom Palkert’s parallel 1310 nm SMF based PMD and encourage additional development.

• B) I would like to hear more about Multi-Level Optical PMD 1310nm duplex SMF based PMD and encourage additional development

• C) I would like to encourage more technical contributions on PMDs supporting a reach between 100m and 10Km

• D) I would like to encourage more technical contributions on duplex SMF PMDs supporting a reach between 100m and 10Km

• Results:
  a) 48    b) 21   c) 43    d) 35
Straw Poll #3:

Chicago Rules

• A) I would be interested in a PMD supporting a 500 m reach at 75% the cost of 100GBASE-LR4
• B) I would be interested in a PMD supporting a 500 m reach at 50% the cost of 100GBASE-LR4
• C) I would be interested in a PMD supporting a 500 m reach at 25% the cost of 100GBASE-LR4

• Results:
  • a) 1     b) 10    c) 40
Straw Poll #4:

One selection

I would support the study of an extended reach (> 10km) 40GBASE-R PMD (such as 40GBASE-ER4) within this Study Group

• Results:
• Y: 45
• N: 0
• A: 10
Motion 1 (8\textsuperscript{th} Nov 2011)

• The study group allows the submitted 40G presentations after all 100G business is concluded.

• Moved: Pete Anslow
• Second: Steve Trowbridge

• Passed without opposition
Motion 2 (8th Nov 2011)

• Adopt the following objective
  “Provide appropriate support for OTN”

• Moved: Steve Trowbridge
• Second: Pete Anslow

• Y: 44
• N: 0
• A: 4
Motion 3 (8\textsuperscript{th} Nov 2011)

- Motion to table Motion\#2
  - Moved: John Petrilla
  - Second: Paul Kolesar

- Y: 16
- N: 24
- A: 11
- Motion Fails
Motion 4 (9th Nov 2011)

Moved that the chair request 802.3 to extend our Study Group

• Moved: Mark Nowell
• Second: Scott Kipp

• Y: 46
• N: 0
• A: 0
Adopted Objectives

- Support full-duplex operation only
- Preserve the IEEE 802.3 / Ethernet frame format utilizing the IEEE 802.3 MAC
- Preserve minimum and maximum Frame Size of current IEEE 802.3 standard
- Support a BER better than or equal to $10^{-12}$ at the MAC/PLS service interface
- Provide appropriate support for OTN
Motion (10th Nov 2011) 802.3

Move that 802.3 request to the EC that they extend the Next Generation 100G Ethernet Optical Study Group.

• M: D. Dove
• S: J. D’Ambrosia
• Y: 71
• N: 0
• A: 1
Thank You!