

802.3 Closing Report

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

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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 ($> 10\text{km}$) 40GBASE-R PMD (such as 40GBASE-ER4) within this Study Group

- Results:
- Y: 45
- N: 0
- A: 10

Motion 1 (8th 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 (8th 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

Thank You!