802.3 Closing Report

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

Dan Dove
Applied Micro
Waikoloa, Hawaii – 15, March 2012
Overview

• Plenary Meeting highlights
  – 88 People signed the attendance sheet
  – 31 Presentations from various contributors
  – 2.5 days of meetings

• Straw Polls
  – 1 straw poll for attendance were performed
    • Available on our website (March Mtg Minutes)

• Motions
  – 5 motions were passed
  – 2 motions failed
    • one by vote
    • one by lack of a second
Motion 1

- Request 802.3 extend our Study Group for an additional period of 6 months

- Moved: Dan Dove
- Second: Kapil Shrikhande

- Y: 74
- N: 0
- A: 0

Unanimous!!!
Motion 2

Pending approval by 802.3 and the EC to modify the scope of our SG to include 40G, adopt the following objective:

- Define a 40 Gb/s PHY for operation over at least 40 km of SMF

Moved: Pete Anslow
Second: Jon Anderson

802.3 voters only

- Y: 63
- N: 0
- A: 14

Unanimous!!!
Motion 3

Adopt the following objective:

- Define a 100 Gb/s PHY for operation up to at least 500 m of SMF

Moved: Steve Trowbridge
Second: Peter Stassar

802.3 voters
- Y: 69
- N: 0
- A: 2

Unanimous!!!
Motion 4

Adopt the following objectives:

• Define a 100 Gb/s PHY for operation up to at least 100 m of MMF
• Define a 100 Gb/s PHY for operation up to at least 20 m of MMF

• Moved: Jonathan King
• Second: Steve Swanson
  – Y: 69
  – N: 2
  – A: 6

97.2% Passes!!
802.3 voters
Y: 49
N: 1
A: 3
Motion 5

Motion to amend Motion 4 to change 100 m to 150 m

• Moved: Paul Kolesar
• Second: John Abbott

– Y: 16
– N: 47
– A: 14

25.3% Failed
Review Goals for future work

- Continue working on presentations that support our objectives and likely 5 criteria responses

- Begin development of PAR and 5 criteria responses based upon current objectives and establish a schedule for Task Force completion.

- Pending approval by 802.3 and the EC to re-scope our project to support 40 Gb/s Extended Reach, establish an ad-hoc focused on that effort to develop a “working paper” upon which consensus can be built.
Straw Poll #1:

How many of you will attend the **May 14 – 18, 2012 Interim in Minneapolis, MN, USA?**

SG or TF name:  NG100GOPTX

Yes: 43

Probably yes: 14

Probably no: 7

No: 2

Minimum 43, likely 57, possibly 64
802.3 WG Motion

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

• Moved: Dan Dove

• Second: Kapil Shrikhande

802.3 voters:

- Y:
- N:
- A:
Thank You!