

802.3 Opening Report

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

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Atlanta, Georgia – 11/07/2011

Overview

- Meeting highlights
 - 105 People signed the attendance sheet
 - 14 Presentations from various contributors
 - 2 days of meetings
 - Met on Wed Evening for Common-time with p802.3bj
- Straw Polls
 - 5 straw polls for attendance were performed
 - Available on our website (Sept Mtg Minutes)
- Motions
 - 3 motions related to objectives were made

Adopt the following 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

M: Steve Trowbridge

S: Pete Anslow

Y: 43

N: 0

A: 1

Adopt the following objective;

- Support a BER better than or equal to 10^{-12} at the MAC/PLS service interface

M: Pete Anslow

S: Steve Trowbridge

Y: 43

N: 0

A: 2

Motion: #3

09-15-2011

Moved:

- Move that Study Group approve the text in dambrosia_02_0911_NG100GOPTX.pdf as modified (ic_OIF_0911_final.pdf), with editorial license granted to the Study Group Chair (or his appointed agent) as an informal communication by the Study Group Chair to the OIF.

M: John D'Ambrosia

S: Pete Anslow

Y: 46

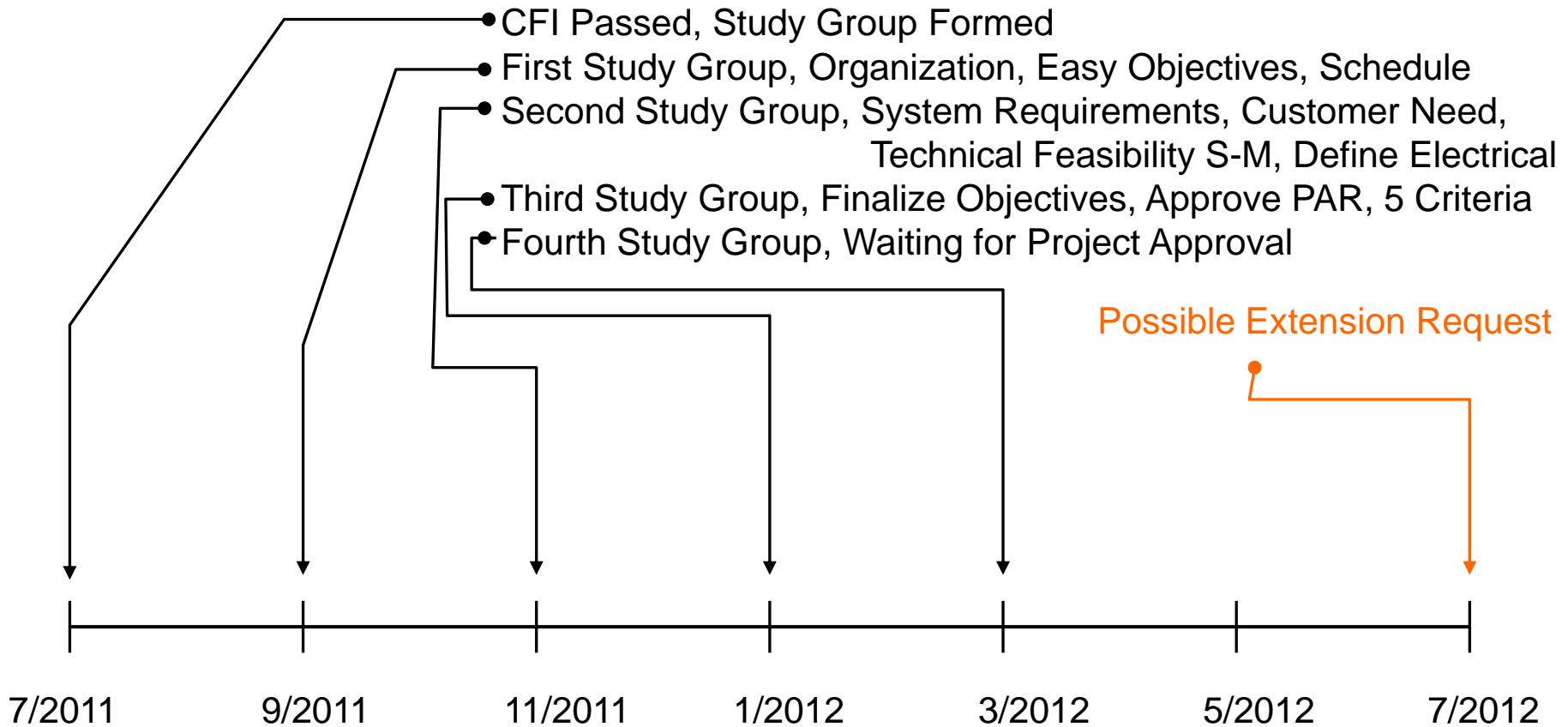
N: 0

A: 2

Review Goals for the meeting

- ✓ Establish high level goals/schedule for the group
- ✓ Solidify the “easy” objectives
- ✓ Define the areas where work is required
- ✓ Define a timeframe for closing on the tough objectives
- ✓ Lay the ground work for the next meeting

Timeframes (strawman)



Areas To Be Addressed

- System PCA Reach Requirements
- Connector/MSA implications on link budget
- Un-retimed, Retimed, Both
- Multi-Mode Solution (customer requirements vs technical cost/complexity)
- Alternative Single-Mode technology (performance/cost /power/density)
- Liaisons (IC for OIF)(ITU)
- FEC (Optional, Required) (Compatibility with 802.3bj)
- Equalization
- Compatible Interface with p802.3bj

Open Issue

A number of Study Group participants have asked to present information related to 40G Extended Reach Optics.

They believe that the most efficient means for standardizing such a PMD would be within the current Next Generation 100G Optics effort.

I plan to allow a motion to authorize the presentation of three out-of-scope presentations and thus obtain the perspective of the SG on whether or not they should be allowed.

If the SG approves presentation on this Out-Of-Scope material, it will be presented on Thursday AM.

Meeting Info

We are meeting the following days/times/location

9am – 6pm Tuesday, Regency VII

9am – 6pm Wednesday, Regency VII

8am – 12pm Thursday, Regency VII

See the website (Nov) for presentations and (sept) for minutes

<http://www.ieee802.org/3/100GNGOPTX/public/index.html>

Thank You!