40GE SMF PMD Study Group
Call for Interest Summary and Motion

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IEEE 802.3 Working Group
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CFI tutorial presentations

Brad Booth, AppliedMicro, “40GE SMF PMD Overview”

Sam Sambasivan, AT&T, & Martin Carroll, Verizon, “The Need for 40GE SMF PMD”

Matt Traverso, Opnext, “The Technical Viability of 40GE SMF PMD”

Mark Nowell, Cisco, “40GE SMF PMD - Why Now?”
Supporters (and contributors*)

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- Rick Rabinovich Alcatel-Lucent
- Stephen Trowbridge Alcatel-Lucent
- Brad Booth AppliedMicro*
- Martin Birk AT&T *
- George Young AT&T *
- Sam Sambasivan ATT Labs *
- Kathleen Tse ATT Labs
- Wael Diab Broadcom
- Ali Ghiasi Broadcom
- Scott Kipp Brocade
- Sashi Thiagarajan Ciena
- Gary Nicholl Cisco *
- Mark Nowell Cisco *
- Ghani Abbas Ericsson
- Chris Cole Finisar *
- John D’Ambrosia Force10 *
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- Hideki Isono Fujitsu
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- Osama Ishida NTT
- Jon Anderson Opnext
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- Martin Carroll Verizon *
- Frank Chang Vitesse
- George Noh Vitesse
Summary

• Attendance – 88 people
• Carrier networks have operational constraints which are unique:
  • Operational efficiency is required to enable 40GE penetration into an existing infrastructure.
  • Existing 40GEBASE-LR4 is optically incompatible with installed based preventing implementation of multi-protocol interfaces. This has significant impact on the operational efficiency for carriers.
• Feasible technology options are available to enable a cost effective solution.
• Why now?
  • 40GE penetration at its infancy
  • Carrier optimized SMF client is necessary to enable accelerated penetration of 40GE into carrier networks
  • Accelerated adoption into carrier networks strengthens the whole Ethernet ecosystem
Issues for SG to Consider

- Objectives – what constitutes “carrier optimized”?
- Impact of enabling backwards compatibility.
- Creation of objectives, PAR, 5 Criteria responses.
Call for Interest

Should a Study Group be formed to study “40GE SMF PMD optimized for client applications in the carrier environment”?

Y: 61   N: 0

(88 present in room)
Straw Polls - Participation

• I would participate in the “40GE SMF PMD” Study Group in IEEE 802.3.
  Tally: 40

• My company would support participation in the “40GE SMF PMD” Study Group in IEEE 802.3
  Tally: 34

(88 present in room)
Motion

- Move the IEEE 802.3 Working Group requests formation of a “40GE PMD Study Group” to study the need for an amendment to the IEEE 802.3 standard to specify a 40Gb/s Ethernet Single-mode Fiber PMD optimized for client applications in the carrier environment.

M: Mark Nowell
S: John D’Ambrosia

>50%
802.3 Voters: Y: 46  N: 0  A: 1

Motion passes