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

Mark Nowell  
IEEE 802.3 Working Group  
Atlanta, Ga  
Nov 15-20, 2009

# CFI tutorial presentations

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**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
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# Summary

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- 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

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

# Call for Interest

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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

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- 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

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- 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