
50 Gb/s Ethernet Over a Single Lane and Next Generation 100 Gb/s & 200 Gb/s Ethernet Call For Interest Closing Plenary Report

Mark Nowell - Cisco
IEEE 802.3 Working Group
Dallas, Tx
Nov 12th, 2015

Consensus Building Presentation

Met Tuesday evening from 7-8pm

- 134 people in the room at time of count
- Presenter and expert panel
 - Mark Nowell – Cisco
 - John D'Ambrosia – Independent
 - Adam Healey – Avago
 - Rob Stone – Broadcom
 - Chris Cole - Finisar
- The presentation discussed the motivation and needs for 50 Gb/s Ethernet Over a Single Lane and Next Generation 100 Gb/s & 200 Gb/s Ethernet for next generation data center applications:
 - http://ieee802.org/3/cfi/1115_1/CFI_01_1115.pdf

Contributor Page

Mark Nowell – Cisco

Rob Stone – Broadcom

John D'Ambrosia – Independent

Brad Booth – Microsoft

Gary Nicholl – Cisco

Scott Kipp – Brocade

Yong Kim – Broadcom

Matt Brown – APM

Mark Gustlin – Xilinx

Chris Cole – Finisar

Ed Sayre - Samtec

Chris Roth – Molex

David Ofelt - Juniper

Mike Li – Altera

Joel Goergen – Cisco

Kent Lusted – Intel

Jonathan Ingham – Avago

Marco Mazzini – Cisco

Nathan Tracy – TE

Sudeep Bhoja – Inphi

Vipul Bhatt – Inphi

Adam Healey – Avago

Vasu Parthasarathy – Broadcom

Scott McMorro - Samtec

Kapil Shrikhande – Dell

Supporters (98 Individuals from 58 companies)

Vasudevan Parthasarathy - Broadcom
Jacky Chang - HPE
Kapil Shrikhande - Dell
Kohichi Tamura - Oclaro
Scott Irwin - MoSys
Matt Brown - APM
Gary Nicholl - Cisco
Robert Lingle - OFS
Velu Pillai - Broadcom
Vivek Telang - Broadcom
Rajiv Pancholy - Broadcom
Andre Szczepanek - Inphi
Sudeep Bhoja - Inphi
Michael Johas Teener - Broadcom
Thananya Baldwin - Ixia
Martin White - Cavium Networks
Chris Roth - Molex
Dave Ofelt - Juniper
Dale Murray - LightCounting

Jonathan Ingham - Avago
Randy Rannow - APIC
Vipul Bhatt - Inphi
Dan Dove - Dove Networking
Paul Kolesar - Commscope
Jerry Pepper - Ixia
Ron Muir - JAE
Sam Sambasivan - AT&T
Andy Moorwood - Ericsson
Oded Wertheim - Mellanox
Dave Chalupsky - Intel
Jon Lewis - Dell
Brian Teipen - Advantech
Bharat Tailor - Semtech
Brian Welch - Luxtera
Peter Jones - Cisco
Rakesh Sambaraju - Berk-Tek
Arthur Marris - Cadence
Vineet Salunke - Cisco

Gary Bernstein - Leviton
Mark Gustlin - Xilinx
Kent Lusted - Intel
Mike Li - Altera
Zhao Wenyu - China Academy of
Information & Comm. Tech.
Xu (Helen) Yu - Huawei
Moonsoo Park - OE Solutions
Scott Kipp - Brocade
Xinyuan Wang - Huawei
Keith Conroy - Multi-PHY
Ryan Latchman - MaCom
Scott Sommers - Molex
Adam Healey - Avago
Richard Mellitz - Intel
Yong Kim - Broadcom
Rick Rabinovich - ALE USA
Chris Cole - Finisar
John D'Ambrosia - Independent
Vittal Balasubramani - Dell

Supporters (2)

Paul Mooney - Spirent
Greg LeCheminant - Keysight Tech
Shoukei Kobayshi - NTT
Jeff Maki - Juniper
David Malicoat - HPE
Daniel Dillow - FCI
Tom Issenhuth - Microsoft
James Fife - eTopus
Ali Ghiasi - Ghiasi Quantum
Raj Hegde - Broadcom
Greg McSorley - Amphenol
Henry Chen - Broadcom
Pete Anslow - Ciena
Ghani Abbas - Ericsson
Jim Theodoras - ADVA
Doug Coleman - Corning
Peter Cibula - Intel
Jonathan King - Finisar
Steve Trowbridge - Alcatel-Lucent

Mike Andrewartha - Microsoft
Pirooz Tooyserkani - Cisco
Martin Skagen - Brocade
Stefano Valle - ST Micro
Mike Ressler - Hitachi Cable
Hai-Feng Liu - Intel
Scott Schube - Intel
Arnold Sodder - Mercury Systems
Ed Ulrichs - Source Photonics
Mike Dudek - Qlogic
Mike Bennett - 3MG Consulting
Hesham ElBakoury - Huawei
Brad Booth - Microsoft
Nathan Tracy - TE
Peter Stassar - Huawei
Tom Palkert - Molex
Adee Ran - Intel
Paul Brooks - Viavi
David Estes - Spirent

Gary Bernstein - Leviton
Matt Traverso - Cisco
Andy Zambell - FCI
Petar Pepaljugoski - IBM

Straw Polls and counts

Should a study group be formed for “50 Gigabit/s Ethernet over a single lane”?

- Y/N/A: 127/0/5 Room count: 134

Should a study group be formed for “Next Generation 100 & 200 Gigabit/s Ethernet”?

- Y/N/A: 124/0/4 Room count: 134

Participation Straw Polls

- I would participate in a “50 Gigabit/s Ethernet over a single lane” study group in IEEE 802.3
 - Tally: 102
- I would participate in a “Next Generation 100 & 200 Gigabit/s Ethernet” study group in IEEE 802.3
 - Tally: 103
- My company would support participation in a “50 Gigabit/s Ethernet over a single lane” study group
 - Tally: 66
- My company would support participation in a “Next Generation 100 & 200 Gigabit/s Ethernet” study group
 - Tally: 66

Motion

Move that the IEEE 802.3 Working Group request the formation of two Study Groups to develop Project Authorization Requests (PAR) and Criteria for Standards Development (CSD) responses for:

- **50 Gigabit/s Ethernet over a single lane**
- **Next Generation 100 Gb/s Ethernet & 200 Gigabit/s Ethernet**

M: Mark Nowell

S: John D'Ambrosia

Procedural (>50%)

Y: N: A:

Final points

- On-going consensus building
- SG attendance in January 2016 Interim in January?
- Thank you again to the panel from the consensus presentation

Mark Nowell – Cisco

John D'Ambrosia – Independent

Adam Healey – Avago

Rob Stone – Broadcom

Chris Cole - Finisar