

Next Generation 100 Gigabit Optical Ethernet

Call For Interest Closing Plenary Report & Motion

Dan Dove, Hewlett Packard

CFI Consensus Building Meeting Summary

- Meeting Attendance included 156 people
- A single integrated presentation was given
 - Defined potential project opportunities
 - Explained “Why IEEE Project Now?”
 - Presented by Dan Dove, HP Networking
- A panel Q&A was offered
 - Pete Anslow, Ciena
 - Jonathan King, Finisar
 - Ryan Latchman, Mindspeed
 - Kapil Shrikhande, Force 10 Networks
- A number of straw polls were performed.

Contributors & Supporters

Jon Anderson - Opnext
Thananya Baldwin – Ixia
Michael Bennett - Lawrence Berkeley Lab
Vipul Bhatt - Lightwire
Sudeep Bhoja – Broadcom
Matt Brown - APM
Steve Carlson – High Speed Design
Martin Carroll - Verizon
Frank Chang - Vitesse
Chris Cole - Finisar
Kai Cui - Huawei
John D'Ambrosia - Force 10 Networks
Piers Dawe - IPtronics
Wael Diab - Broadcom
Mike Dudek - Qlogic
Alan Flatman -
Harry Forbes - Nexans
Freddy Hongyan FU - Huawei
Ali Ghiasi - Broadcom
Mark Gustlin - Cisco
Hiroshi Hamano - Fujitsu Labs Ltd
Ziad Hatab – Vitesse

Huangxi - Huawei
Osamu Ishida – NTT
Hiro Iwadate - Sumitomo
Myles Kimmitt - Emulex
Scott Kipp – Brocade
Satoshi Kodama, NTT
Paul Kolesar - CommScope
Masashi Kono - Hitachi
David Lewis – JDSU
Robert Lingle, Jr. – OFS
Kent Lusted - Intel
Phil McClay - TEC
Jeff Maki - Juniper
John McDonough - NEC America
Gary Nicholl - Cisco
Ronald Nordin - Panduit
Mark Nowell – Cisco
David Ofelt – Juniper
George Oulundsen – OFS
Mike Peng Li – Altera
Petar Pepeljugin - IBM

Jerry Pepper – Ixia
John Petrilla – Avago Technologies
Rick Pimpinella – Panduit
Iain Robertson - Texas Instruments
Sam Sambasivan - AT&T
Oren Sela - Mellanox
Koichiro Seto - Hitachi Cable Ltd
Megha Shanbhag - TEC
Song Shang - Semtech Corporation
Siddharth Sheth - Inphi
Ted Sprague - Infinera
Peter Stassar - Huawei
Andre Szczepanek - Inphi
Nathan Tracy - TEC
Matt Traverso - Cisco
Francois Tremblay - Gennum
Steve Trowbridge, Alcatel-Lucent
Paul Vanderlaan - Nexans
Tim Warland - APM
Zengli – Huawei

Why an IEEE Project Now

- Bandwidth demands are going up exponentially
- The only way to meet this demand is to increase density
- Density is being increased in the backplane and passive Cu already
- Density needs to be increased on the front panel
 - New electrical interfaces: CAUI-4, CPPI-4
 - New MMF interface: -SR4
 - Determine if there is sufficient market demand and technical maturity of feasible optics alternatives to justify a new duplex SMF interface in addition to existing -LR4
- Allow coordination with Backplane & Copper Cables while there is an opportunity to influence their direction

Straw Polls – CFI Results

- Number of CFI Attendees: **156**
- Should a study group be formed for “Next Generation 100GbE Optical Interfaces”?
Y: **146** N: **0** A: **1** 802.3 Voters Y: **87** N: **0** A: **0**
- “I would participate in the Next Generation 100GbE Optical Interfaces Study Group in IEEE 802.3”: **109**
- “My company would support participation in the Next Generation 100GbE Optical Interfaces Study Group in IEEE 802.3”: **65**
- “If a study group is formed, I plan to attend and participate in the September meeting”: **90**
- “If a study group is formed, I would like to attend both this SG and the 100G Backplane & Copper Cables meetings”: **78**

Motion

Move the IEEE 802.3 Working Group authorizes the formation of a study group for

“Next Generation 100 Gigabit Optical Ethernet”

Moved: Dove

Seconded: Shrikhande

Y: N: A:

802.3 Voters

Y: N: A:

THANK YOU!