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 - Ologic
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 - CommmScope
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 Pepeljugoski - 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!