25 Gb/s Ethernet over a single lane for server interconnect

Closing Plenary Report

Mark Nowell - Cisco
IEEE 802.3 Working Group
San Diego, CA
July 16th, 2014
Consensus Building Presentation

Met Tuesday evening from 6:30 until 8pm

- 148 people in the room at time of count

- Presenter and expert panel
  - Mark Nowell – Cisco
  - David Chalupsky – Intel
  - Howard Frazier - Broadcom
  - John D’Ambrosia - Dell
  - Joel Goergen – Cisco
  - Brad Booth – Microsoft

- The presentation discussed the expected need for 25 Gb/s Ethernet over a single lane for server interconnects:
Hugh Barrass - Cisco
Brad Booth - Microsoft
Dave Chalupsky - Intel
John D'Ambrosia - Dell
Howard Frazier - Broadcom
Joel Goergen - Cisco
Mark Gustlin - Xilinx
Greg McSorley - Amphenol
Richard Mellitz - Intel
Mark Nowell - Cisco
Tom Palkert - Molex
Megha Shanbhag - TE
Scott Sommers - Molex
Nathan Tracy - TE
<table>
<thead>
<tr>
<th>John Abbott - Corning</th>
<th>John D’Ambrosia - Dell</th>
<th>Kiyo Hiramoto - Oclaro Japan, Inc</th>
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<tr>
<td>Venu Balasubramonian - Marvell</td>
<td>Mike Dudek - QLogic</td>
<td>Tom Issenhuth - Microsoft</td>
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<td>Thananya Baldwin - Ixia</td>
<td>David Estes - Spirent Communications</td>
<td>Peter Jones - Cisco</td>
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<td>Mike Bennet - 3MG Consulting</td>
<td>Nathan Farrington - Packetcounter, Inc.</td>
<td>Myles Kimmitt - Emulex</td>
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<td>Vipul Bhatt - Inphi</td>
<td>Bob Felderman - Google</td>
<td>Scott Kipp - Brocade</td>
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<td>Sudeep Bhoja - Inphi</td>
<td>Scott Feller - Cortina-Systems</td>
<td>Elizabeth Kochuparambil - Cisco</td>
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<td>Brad Booth - Microsoft</td>
<td>Howard Frazier - Broadcom</td>
<td>Paul Kolesar - CommScope</td>
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<td>Bill Brennan - Credo Semiconductor</td>
<td>Mike Furlong - ClariPhy</td>
<td>Subi Krishnamurthy - Dell</td>
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<td>Matt Brown - Applied Micro</td>
<td>Mike Gardner - Molex, Inc</td>
<td>Ryan Latchman - Macom</td>
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<td>Mark Bugg - Molex, Inc</td>
<td>Joel Goergen - Cisco</td>
<td>David Lewis - JDSU</td>
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<td>Carlos Calderon - Cortina-Systems</td>
<td>Mark Gustlin - Xilinx</td>
<td>Mike Li - Altera</td>
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<td>Dave Chalupsky - Intel</td>
<td>Steffen Hagene - TE</td>
<td>Kent Lusted - Intel</td>
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<td>Chris Cole - Finisar</td>
<td>Dave Helster - TE</td>
<td>Jeffery Maki - Juniper</td>
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<td>Chris Collins - Applied Micro</td>
<td>Yasuo Hidaka - Fujitsu Labs of America, Inc.</td>
<td>Arthur Marris - Cadence</td>
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(87 individuals from 48 companies)
Beck Mason - JDSU
Erdem Matoglu - Amphenol
Greg McSorley - Amphenol
Richard Mellitz - Intel
Paul Mooney - Spirent
Andy Moorwood - Infinera
Ed Nakamoto - Spirent
Gary Nicholl - Cisco
Takeshi Nishimura - Yamaichi Electronics
Mark Nowell - Cisco
David Ofelt - Juniper
Tom Palkert - Luxtera
Vasu Parthasarathy - Broadcom
Neel Patel - ClariPhy
Pravin Patel - IBM

Jerry Pepper - Ixia
John Petrilla - Avago Technologies
Scott Powell - ClariPhy
Haoli Qian - Credo Semiconductor
Adee Ran - Intel
Ram Rao - Oclaro, Inc
Michael Ressl - Hitachi Cable America
Mike Rowlands - Molex, Inc
Anshul Sadana - Arista
Megha Shanbhag - TE
Kapil Shrikhande - Dell
Jeff Slavik - Avago Technologies
Scott Sommers - Molex, Inc
Steve Swanson - Corning
Norm Swenson - ClariPhy

Atsushi Takai - Oclaro Japan, Inc
Michael Johas Teener - Broadcom
Anthony Torza - Xilinx
Nathan Tracy - TE
Vincent Tseng - MediaTek Inc.
David Warren - HP
Brian Welch - Luxtera
Oded Wertheim - Mellanox
Chengbin Wu - ZTE
George Zimmerman - CME Consulting
Pavil Zivny – Tektronix
Adam Healey – Avago Technologies
Straw Polls & Counts

1. Should a study group be formed for “25 Gigabit/s Ethernet over a single lane for server interconnects”?
   - Y: 121
   - N: 1
   - A: 14

2. Number of people attending presentation:
   - 148

3. Individuals who would participate in a “25 Gigabit/s Ethernet over a single lane for server interconnects” study group:
   - 59

4. Companies that would support formation of a “25 Gigabit/s Ethernet over a single lane for server interconnects” study group:
   - 36
Motion

Request that the IEEE 802.3 WG form a study group to develop a PAR and CSD for:

25 Gigabit/s Ethernet over a single lane for server interconnects

M: Mark Nowell
S: Howard Frazier
Procedural (>50%)
Y: 61  N: 0  A: 5
Final points

- Informing ITU
- On-going consensus building
- SG attendance in Kanata?
- Thank you again to the panel from the consensus presentation
  David Chalupsky – Intel
  Howard Frazier - Broadcom
  John D’Ambrosia - Dell
  Joel Goergen – Cisco
  Brad Booth – Microsoft