Next Generation 100G Optics MMF ad hoc
14th February 2012
approved meeting notes

jonathan king

MMF ad hoc notes, 14th February 2012

- 9 am   Meeting start, attendee list was based on the Webex attendees list
- Attendees were reminded of the IEEE patent policy http://www.ieee802.org/3/patent.html
- 9.05   Presentations and discussion topics
  - Presented material is available at http://www.ieee802.org/3/100GNGOPTX/public/mmfadhoc/meetings/index.html
  - Jonathan King: 'MMF objective next steps' - summarized progress so far, noted recent developments in MPN treatment presented in Fibre Channel, noted that the gearbox needed for a 4x25G electrical interfaces to drive a 10 lane optical implementation should be accounted for in power and relative cost estimates, and asked what is needed to move towards agreeing an MMF objective.
- Discussion: There was much discussion on what an MMF objective might include. Ted Sprague suggested the minimum could be to define a 4-lane 100 Gb/s PHY for operation over MMF with lengths up to at least X metres, leaving the MMF type and the value of X to be defined by the task force. Mike Dudek asked if anyone disagreed that the fibre type should be 'OM4 or better', and that single PMD with FEC on or FEC off would result in dual reach capabilities. On the possibility of a single PMD, dual reach objective, John Petrilla observed that it would be better to agree a single objective and work out what the second reach should be in the task force. Petar Pepeljugoski and Piers said the objective should be optimized for lowest power and cost.   Chris Cole said a max of 100m reach was designed in to several recently built data centres. Ted Sprague suggested a straw poll on whether we should support some fraction of the existing installed base would be useful. Contributions to support a 100m reach objective, or support an alternative reach or a single PMD, dual reach objective were invited.
- 10 am Meeting end

Attendees

John Abbott, Corning
Jon Anderson, Opnext
Pete Anslow, Ciena
Vipul Bhatt, Lightwire
Brad Booth, Dell
Dave Brown, Gennum
Alessandro Cavaciuti, Cisco
Chris Cole, Finisar
CK Cuikai, Huawei
Piers Dawe, IPtronics
Dan Dove, Applied Micro
Mike Dudek, Qlogic
Ali Ghiasi, Broadcom
Paul Goldgeier, Color-chip
Eric Hall, Aurrion
Francis Ho, Inphi
Jim Innis, Freescale
Jonathan King, Finisar
Taichi Kogure, Opnext
Paul Kolesar, Commscope
Gerard Kuyt, Draka
Greg LeCheminant, Agilent
Sharon Lutz, US Conec

Phil McClay, TE
Andy Moorwood, Infinera
Gary Nicholl, Cisco
Mark Nowell, Cisco
David Ofelt, Juniper
Tom Palkert, Visi
Peter Pepeljugoski, IBM
Randy Perrie, Onechipphotonics
john Petrilla, Avago Technologies
Rick Pimpinella, Panduit
Liang Qiu, Nexans
Mike Ressl, Hitachi Cable
Sam Sambasivan, ATT labs
Kapil Shrikhande, Dell
David Skirmont, Brocade
Ted Sprague, Infinera
Steve Swanson, Corning
I-Hsing Tan, Avago Technologies
Katsuhisa Tawa, SEI
Matt Traverso, Cisco
Steve Trowbridge, Alcatel-Lucent
Alexander Umnov, Huawei
Paul Vanderlaan, Nexans