

IEEE P802.3bs 400Gb/s Ethernet
MMF Ad Hoc
meeting minutes

8th August 2014

recorded by jonathan king

400G MMF ad hoc meeting minutes, 8th August 2014

- **Meeting started** at 8 am Pacific, chaired by Jonathan King.
- **Attendee list** was taken from the Webex attendee list, 40 attendees were noted.
- **Presentations** shared in the MMF ad hocs will be available on the MMF ad hoc web page.
 - <http://www.ieee802.org/3/bs/public/adhoc/mmf/index.shtml>
- **IEEE patent policy:** Attendees were reminded of the IEEE patent policy.
 - <http://www.ieee802.org/3/patent.html>
- **House keeping:** The agenda was approved. The minutes for the meeting of the 20th June 2014 were approved.
- **Presentation 1:**
 - Title: 400G MMF PMD options: working towards a baseline proposal
 - Presenter: Jonathan King, Finisar
 - See: king_3bs_01_0814_mmf
 - Jonathan presented his opinion of prospects for 25 Gb/s and 50 Gb/s per laser 400G MMF PMD baseline proposals. With reference to the projects adopted timeline, he said that at 50 Gb/s, much faster (NRZ) or much lower RIN (PAM4) VCSELs would need to be developed; Similarly, WDM approaches would need different wavelength VCSELs to be developed. He concluded that although potentially technically feasible, the device developments required by 50 Gb/s modulation rates and WDM techniques made them more suitable for a later project.
 - There was some debate on the use of strong equalization, published experiments at 50 Gb/s, and the difference between 'hero' experiments and commercial high-volume ready devices.
 - There was general agreement that a 16x25 Gb/s based approach was most suitable for a baseline proposal for this project.
- **Meeting ended** at 9 am
- **Next meeting:** 22nd August 2014, 8 am to 10 am Pacific

Attendees

Pete Anslow, Ciena
Will Bliss, Broadcom
Dave Brown, Semtech
Derek Cassidy, BT
Rajinder Cheema, Fujitsu
Chris Cole, Finisar
Robert Coenen, Intel
Piers Dawe, Mellanox
Dan Dove, Dove Networking
Solutions/Huawei
Mike Dudek, Qlogic
Ali Ghiasi, independent
Mark Gustlin, Xilinx
Adam Healey, Avago Tech
Kenneth Jackson, SEI
Jack Jewell, Commscope
Jonathan King, Finisar
Paul Kolesar, Commscope
Bill Kysiak, Hirose
Greg LeCheminant, Agilent
Mike Peng Li, Altera

Robert Lingle, OFS
Jeff Maki, Juniper
Alan McCurdy, OFS Optics
Slobodan Milijevic, Microsemi
Paul Mooney, Spirent
Dale Murray, LightCounting
Raymond Nering, Intel
Takeshi Nishimura, YEU
Petar Pepeljugoski, IBM
John Petrilla, Avago Tech
Rick Pimpinella, Panduit
Rick Rabinovich, Alcatel-Lucent
Randy Rannow, API
Ram Rao, Oclaro
Fred Tang, Broadcom
Brian Teipen, Adva Optical
Pirooz Tooyserkani, Cisco
Nathan Tracy, TE
Xinyuan Wang, Huawei
Zhongfeng Wang, Broadcom