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

16th April 2014

Approved minutes

recorded by jonathan king

400G MMF ad hoc meeting minutes, 16th April 2015

- **Meeting started** at 9 am Pacific, chaired by Jonathan King.
- **Attendee list** was taken from the Webex attendee list, 32 attendees 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.
- **Presentations:**
  - Title: '100GBASE-SR4 scaling' – study of impact of use of KP4 FEC for 25Gb/s per lane MMF links
  - Presenter: John Petrilla, Avago
- **Discussion**
  - John Petrilla presented modeling work examining the effect of adopting KP4 FEC for 400GBASE-SR16, based on link modeling using the spreadsheet model adopted for 100GBASE-SR4. The study concluded that the increased link ISI penalties introduced by the higher bit-rate are compensated for by the decreased noise penalties and better receiver sensitivity due to the lower target BER required.
  - There was some discussion about whether TDEC and SEC values should be increased and to what value, to reflect the higher eye closure expected for KP4 FEC encoded signals. Further contributions on this topic are invited.
- **Meeting ended** at 10 am.
- **Next meeting:** proposed Thursday 30th April 2015, 9am – 10.30 am Pacific.

Attendees

Pete Anslow, Ciena

Derek Cassidy, BT

Piers Dawe, Mellanox

Jishnu De, Synopsys

Mike Dudek, QLogic

Ali Ghiasi, independent

Mark Gravel, HP

Mark Gustlin, Xilinx

Kenneth Jackson, SEI

Upendranadh Kareti, Cisco

Jonathan King, Finisar

Paul Kolesar, Commscope

Kumaran Krishnasamy, Broadcom

Greg LeCheminant, Keysight

Phil McClay, TE

Benoit Mercier, ST

Slobodan Milijevic, Microsemi

Andy Moorwood, Ericsson

Dale Murray, Lightcounting

Laxmi Narayan, Synopsys

Gary Nicholl, Cisco

John Petrilla, Avago Tech

Petar Pepeljugoski, IBM

Rick Pimpinella, Panduit

Peter Pondillo, Corning

Rick Rabinovich, Alcatel-Lucent Enterprise

Randy Rannow, API

Rob Stone, Broadcom

Fred Tang, Broadcom

Vivek Telang, Broadcom

Nathan Tracy, TE

Xinyuan Wang, Huawei