MMF Ad Hoc meeting minutes

10th July 2014

Approved minutes

recorded by jonathan king

MMF ad hoc meeting minutes, 10th July 2014

- **Meeting started** at 9 am Pacific, chaired by Jonathan King.
- **Attendee list** was taken from the Webex attendee list, 18 attendees were noted.
- **Presentations** shared in the MMF ad hocs can be found at the MMF ad hoc web page.
  - *http://www.ieee802.org/3/bm/public/mmfadhoc/meetings/index.html*
- **IEEE patent policy:** Attendees were reminded of the IEEE patent policy
  - *http://www.ieee802.org/3/patent.html*
- **House keeping:** The agenda was amended and approved at the start of the meeting.
- **Presentations and discussion points:**
    - Hazard classification for 100GBASE-SR4 (discussion topic raised by Jeff Maki)
    - Preview of *dawe_03_0714_optx*
- **Discussion:**
  - Jeff Maki said that draft 3.0 of clause 95 directs that 100GBASE-SR4 should be labeled class1M. This may be overly cautious following revisions (in 2012) to the eye safety limits set by IEC 60825-2 and IEC 60825-1. It was noted that the details of the implementation of the launch from VCSEL to fibre could have different consequences for the eye safety test. Presentations which explain the revised eye safety procedure and the impact for 100GBASE-SR4 were requested. Jonathan said he'd ask Finisar's eye safety expert to respond.
  - Piers previewed his contribution containing recommended spec values and consequent link budget revisions for the improved TxVEC method. John said that the choice of TxVEC methodology should be based on measurements; Jonathan and John Petrilla anticipated providing more Tx eye measurements for comparing TxVEC methods some time after the San Diego meeting. Mike Dudek suggested that for measurements, slow and low noise (distorted) VCSEL eyes could be generated by using low bias and high ER, and fast high noise eyes could be generated with high bias and low ER. It was agreed that one of the TxVEC methods should replace TDP in clause 95.
- **Meeting ended** at 10.52 am
- **Next meeting:**   TBD, following the San Diego meetings.

Attendees

Pete Anslow, Ciena

Piers Dawe, Mellanox

Dave Brown, Semtech

Patrick Decker, Oracle

Dan Dove, Dove Networking Solutions/Huawei

Mike Dudek, Qlogic

Greg LeCheminant, Agilent

Miles Kimmitt, Emulex

Jonathan King, Finisar

Jeff Maki, Juniper

Richard Mellitz, Intel

Petar Pepeljugski, IBM

John Petrilla, Avago Tech

Rick Rabinovich, Alcatel-Lucent

Randy K Rannow, API

Mike Ressl, Hitachi Cable

Nathan Tracy, TE

Zhongfeng Wang, Broadcom