MMF Ad Hoc meeting minutes

10th Jan 2014

Unapproved minutes

recorded by jonathan king

MMF ad hoc meeting minutes, 10th Jan. 2014

- **Meeting started** at 9.30 am Pacific, chaired by Jonathan King.
- **Attendee list** was taken from the Webex attendee list, 14 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:** Agenda slides were agreed, and the minutes for the MMF meetings of 19th Dec 2013 were edited and approved.
- **Presentations:**
  - 'Draft 100G SR4 TDP update' – John Petrilla, *petrilla_01_0114_mmf*
- **Discussion:**
  - John presented an updated to his presentation on the TDP test and the trade-off of RIN and Tx rise time for constant TDP would not necessarily ensure link integrity. John proposed an alternative to the TDP test which uses a statistical VEC (vertical eye closure) measurement, similar to the equivalent Fibre Channel test. John proposed specific changes to the text of clause 95 to replace TDP, showing the changes are relatively straightforward.
  - An option discussed during the meeting, to add a RIN spec to catch bad transmitters was rejected as an alternative by several people. It was agreed that more study of the an alternative to TDP was needed, to understand why constant TDP didn't result in constant link margin as RIN and Tx rise-time was traded off.
  - Piers said the proposed VEC test should be made at a higher hit ratio than 5e-5, because the target BER is $\leq$5e-5 for clause 95.
  - No agreement was reached to replace TDP with a VEC test. Two issues need to be resolved: to understand why the link model seems to show that the TDP test is lacking; and to show that the VEC test would be an improvement.
- **Meeting ended** at 11.18 am.
- **Next meeting:** Thursday Jan 16th, 2014 , 8 am to 10 am (Pacific), to discuss selected comment responses.

Attendees

Pete Anslow, Ciena
Derek Cassidy, BT
Piers Dawe, Mellanox
Mike Dudek, Qlogic
Hesham Elbakoury, Huawei
Jonathan King, Finisar
Vasu Parthasarathy, Broadcom
John Petrilla, Avago Technologies
Rick Rabanovich, Alcatel-Lucent
Randy Rannow, APIC
Mike Ressl, Hitachi Cable
Brian Teipen, Adva Optical
CK Wong, FCI
John Yan, independent