

MMF Ad Hoc meeting minutes

20th Feb 2014

Approved minutes
recorded by jonathan king

MMF ad hoc meeting minutes, 20th Feb. 2014

- **Meeting started** at 9 am Pacific, chaired by Jonathan King.
- **Attendee list** was taken from the Webex attendee list, 20 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 discussion topic ‘comprehensive transmitter and receiver test jitter methodology’ was added to the agenda at the start of the meeting, and the agenda was approved. The MMF ad hoc meeting minutes for 6th and 13th of Feb 2014 were approved.
- **Presentation:**
 - Draft 100G SR4 TxVEC – TDP update – John Petrilla
 - Tx metrics for 100G-SR4 – Piers Dawe
- **Discussion:**
 - John Petrilla reviewed previous work using the link spreadsheet model, comparing differences in TDP and TxVEC for 19 different worst case (zero link margin) Tx, for various timing offsets. John introduced new work to propose a TxVEC spec value of 5.1 dB. More detail was added to highlight the simpler test set up required for TxVEC compared with TDP.
 - Piers presented link simulation results using a rate equation based laser model and modest PRBS lengths. Piers compared TxVEC accuracy for ‘all but’ eye closure fractions from 5e-5 to 1e-2. Piers work showed good correlation between simulated TDP and simulated link margin when data statistics are accounted for (c.f. worst bit analysis of spreadsheet link model).
 - There was general agreement that that the measurement based TDP definition has been well established and that any replacement test should have a high level of justification, preferably including measurement data.
 - *Continued*

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- **Discussion** *continued*
- **Other topics:**
 - Results of the TDP vs VEC straw poll: 1 person favoured TDP; 5 people favoured VEC; 1 person said they needed more information; 1 person said they didn't have an opinion.
 - As the meeting was running short of time the discussion of Comprehensive transmitter and receiver jitter methodology was postponed to the next MMF ad hoc
- **Meeting ended** at 10.50 am.
- **Next meeting:** Thursday Feb 25th, 2014 , 9 am to 10.30 am (Pacific)

Attendees

Pete Anslow, Ciena

Derek Cassidy, BT

Piers Dawe, Mellanox

Patrick Decker, Oracle

Dan Dove, Huawei

Mike Dudek, Qlogic

Ali Ghiasi, independent

Jack Jewell, Commscope

Richard Johnson, Finisar

Myles Kimmitt, Emulex

Jonathan King, Finisar

Paul Kolesar, Commscope

Greg LeCheminant, Agilent

Jeff Maki, Juniper

Petar Pepeljugoski, IBM

John Petrilla, Avago Technologies

Randy Rannow,

Mike Ressler, Hitachi-Cable

Nathan Tracy, TE

Paul Vanderlaan, Nexans