

MMF Ad Hoc meeting minutes

14th March 2013

Approved minutes

recorded by Jonathan King

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- **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 hoc 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>
- **Agenda slides agreed.**
- **Meeting minutes for 28th Feb and 7th March:** Jonathan asked if anyone objected to approving the minutes for the MMF ad hoc meetings held on the 28th Feb and 7th March. No objections were made, so the minutes are approved by the MMF ad hoc.
- **Presentations and discussion:**
 - 20m MMF reach objective Tx and Rx parameters working document
The group reviewed the updated optical and electrical parameter tracking tables for a 20m reach unretimed PMD, which now includes a separate column for optical parameter values and formulae drawn from the 100m reach baseline proposal.
 - 100G MMF 20m & 100m Link Model Comparison – John Petrilla
John previewed his presentation [petrilla_01_0313_optx.pdf](#) (also submitted to the March plenary). He showed that keeping optical specs for an unretimed 20m reach PMD the same as for the 100m retimed PMD would need tight very jitter specs on the host ($DJ < 0.07$ UI). The shorter reach (20m vs 100m) decreases the link budget needed for fibre loss and penalties by 1.4dB, which didn't buy a lot of additional jitter tolerance.
- **Meeting end** just after 10 am.

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- **Actions and issues requiring resolution:**
 - Contributions are needed to support:
 - viability of jitter specs for TP1a and TP4 for the unretimed electrical interface
 - choice of J4 vs J5 specification points
 - viability of interoperability of the retimed PMD and unretimed PMD
 - Further contributions addressing the 100m MMF reach objective ffs and tbc items
 - Further contributions addressing options for 20m MMF reach objective, showing significant cost density or power improvements
- **Next meeting:** tbc, after the March plenary.

Attendees

Pete Anslow, Ciena

Piers Dawe, IPtronics

Dan Dove, Applied Micro

Mike Dudek, Qlogic

Jan Filip,

Galen Fromm, Cray

Mark Gustlin, Xilinx

Ali Ghiasi, Broadcom

Jack Jewel, independent

Jonathan King, Finisar

Greg LeCheminant, Agilent

Marco Mazzini, Cisco

Phil McClay, TE Connectivity

Tom Palkert, Luxtera

Peter Pepeljugoski, IBM

John Petrilla, Avago Technologies

Rick Pimpinella, Panduit

Liang Qiu, Source Photonics

Rick Rabinovich, Alcatel-Lucent

Olaf Sahlen, TE Connectivity

Pirooz Toyserkani, Cisco

Brian Welch, Luxtera

CK Wong, FCI

Zengli, Huawei