

MMF Ad Hoc meeting minutes

7th 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.**
- **Presentations and discussion:**
 - 20m MMF reach objective Tx and Rx parameters working document

The group reviewed optical and electrical specs for a 20m reach unretimed PMD. Jonathan agreed to add a separate column to show optical parameter values and formulae drawn from the 100m reach baseline proposal.

Several relatively non-controversial optical specs were agreed to, but TDP and transmit OMA need further study. Interoperability of a fast, high jitter 100GBASE-SR4 compliant Tx and an unretimed Rx was identified as a potential issue; the risk of needing to tighten the 100m reach PMD specs to ensure interoperability with the unretimed PMD was also raised. John Petrilla offered to contribute a link budget example for a short reach unretimed link. It was agreed that a 20m reach objective baseline proposal should include a slide to explain the link jitter budget. An updated version of the working document will be available on the MMF ad hoc meeting materials page.

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- **Actions and issues requiring resolution:**
 - Contributions are needed to support:
 - viability of jitter specs for TP1a and TP4 for the un-retimed electrical interface
 - choice of J4 vs J5 specification points
 - viability of interoperability of the retimed PMD and un-retimed 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:** Thursday 14th March, 2013, 9 am Pacific, duration 1 hour

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 Tooyserkani,
Brian Welch,
CK Wong, FCI
Zengli, Huawei