MMF Ad Hoc meeting minutes

11ᵗʰ April 2013

Unapproved minutes

recorded by Jonathan King

MMF ad hoc meeting minutes, 11th April 2013 ... 1

- **Meeting started** at 9 am Pacific, chaired by Jonathan King.
- **Attendee list** was taken from the Webex attendee list, ~30 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:**
  - Cost, power, size differences of proposed MMF PMDs – Jonathan King and Ryan Latchman (king_01a_0413_MMF)

  The presentation compared cost power and size of likely implementations of the 100m reach MMF PMD baseline proposal to the proposed 20m reach un-retimed MMF PMD; it shed that power savings for an un-retimed module will not be significant (<0.5W per module), and that cost and size would be the same.

  Discussion – points made: an extra un-retimed port type could be an unwanted complexity for the customer; retimed optics would be expected to be compatible with un-retimed ports; total power (host plus module) may not decrease if re-time shim chips are required on a host to support an un-retimed optics port. Jonathan said he didn't think an unretimed 20m reach PMD met the projects 5 criteria. Piers thought that the power reduction might enable a lower power class in QSFP+ form factor.

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- **Discussion *continued*:**
  - Results of a straw poll held at the end of the call "Do you agree with the conclusion "By about the same time 802.3bm is technically stable (H2 2014) there will be no significant power, cost or size advantage to be gained from an un-retimed short reach PMD""
    - 10 agree , 2 disagree, 1 abstain.
- **Actions and issues requiring resolution:**
  - Further contributions addressing the 100m MMF reach objective FFS and TBC items
  - Contributions were invited addressing options for the 20m MMF reach objective, showing significant cost density or power improvements.

- **Next meeting:** 25th April, contingent on there being material to present.

Attendees

Pete Anslow, Ciena

Dave Brown, Gennum

Kevin Burt,

Piers Dawe, Iptronics

Stephen Docking, PMC-Sierra

Dan Dove, Applied Micro

Mike Dudek, Qlogic

Galen Fromm, Cray

Ali Ghiasi, Broadcom

Scott Irwin

Jonathan King, Finisar

Paul Kolesar, Commscope

Greg LeCheminant, Agilent

Mike Li, Altera

Robert Lingle, OFS

Dale Murray, LightCounting

Peter Pepeljugoski, IBM

John Petrilla, Avago Technologies

Rick Pimpinella, Panduit

Rick Rabinovich, Alcatel-Lucent

Mike Ressl, Hitachi Cable

Matt St Peter

Jeff Slavik

Pirooz Tooyserkani,

Nathan Tracy, TE

Mark Verdell

Tim Warland

Zengli