

MMF Ad Hoc meeting minutes

24th April 2014

Approved minutes
recorded by jonathan king

MMF ad hoc meeting minutes, 24th April 2014

- **Meeting started** at 9 am Pacific, chaired by Jonathan King.
- **Attendee list** was taken from the Webex attendee list, 16 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 agenda was approved.
- **Presentations/Discussion:**
 - Review of topics for study – Jonathan King
 - The list of topics for 100GBASE-SR4 recorded as worth further study were reviewed by the ad hoc (the list is shown on the next slide). Contributions addressing any of these topics were requested by the chair who also commented that if no contributions are forthcoming it must be because further study is no longer necessary. 2 items have been addressed in comment resolution prior to D2.2 and will be removed, and the topic of longer wavelength capable receivers has been dormant for a year and will be removed.
 - 3 items are expected to be overtaken by events once the Tx quality metric is decided upon.
 - 3 items are pertinent to SRS testing. 2 items are on review of Tx eye mask coordinates and on calculating modal noise penalty respectively. There was some discussion and encouragement to agree by e-mail the Tx parameters which will allow modal noise simulations to be re-run.
- **Meeting ended** at 10.15 am.
- **Next meeting:** Thursday May 1st, 2014 , 9 am to 10.30 am (Pacific)

- a) Reference transmitter RIN specification
 - b) The difference between TDP and Allocation for penalties
 - ~~c) The offset for Tx OMA min spec vs the Tx OMA minus TDP spec (currently 0.9dB) – addressed in comment resolution prior to D2.2~~
 - ~~d) Longer wavelength capable receivers – no further inputs since June 2013~~
 - e) SRS – VECP definition currently includes some of the noise in the eye
 - f) Review TDP limit to be sure it is a safe predictor of performance
 - g) Eye mask spec review - hit ratio and coordinates
 - h) Review relaxed (2dB) ER spec. for signal borne noise:
 - a) Modal noise – no further inputs since Dec 2013
 - ~~i) Pattern for OMA – ‘two competing definitions’ – addressed in comment resolution prior to D2.2~~
 - j) Review J2 J4 values for SRS
 - k) Review SRS conditions following choice of Tx test (probability levels of VEC and Tx test)
- ***a,b,f*** relate to **TDP**; ***e,j,k*** relate to **SRS**; ***g*** relates to **Tx eye mask**; ***h*** relates to **modal noise** penalty allocation.

Attendees

Pete Anslow, Ciena

Dave Brown, Semtech

Gurpreet Bhuller, Gennum

Derek Cassidy, BT

Piers Dawe, Mellanox

Patrick Decker, Oracle

Dan Dove, Huawei

Mike Dudek, Qlogic

Jonathan King, Finisar

Scott Kipp, Brocade

Greg LeCheminant, Agilent

Petar Pepeljugoski, IBM

John Petrilla, Avago Technologies

Randy K Rannow,

Mike Ressler, Hitachi-Cable

Nathan Tracy, TE