

# MMF Ad Hoc meeting minutes

24<sup>th</sup> July 2014

Approved minutes  
recorded by jonathan king

# MMF ad hoc meeting minutes, 24<sup>th</sup> July 2014

- **Meeting started** at 9.05 am Pacific, chaired by Jonathan King.
- **Attendee list** was taken from the Webex attendee list, 11 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 amended and approved at the start of the meeting. Approval of the minutes of 3<sup>rd</sup> and 10<sup>th</sup> July was postponed to allow an extra week of reading time.
- **Presentations and discussion points:**
  - Change marked draft of Clause 95 with implemented responses following July comment resolution, for review
  - ‘100GBASE-SR4 normalizing TxVEC+’ , John Petrilla [petrilla\\_01\\_0714\\_mmf](#)
- **Discussion:**
  - The group reviewed the change marked draft of Clause 95. Several editorial changes were suggested and noted. In addition, a list of items which will need comments against draft 3.1 was noted, as were some items for further consideration in the MMF ad hoc (see next slide).
  - John Petrilla presented initial simulation results looking at an ideal Tx and its minimum value of TxVEC, which would be about 1dB. TxVEC normalization was discussed, several people said they thought that TxVEC shouldn't be normalized, because the 12.6 GHz O/E bandwidth was the equivalent of measuring an ideal Tx with a worst case channel ISI impairment, whereas the OMA – TDP trade off is more usually based on an ideal transmitter with no channel ISI impairment.
- **Meeting ended** at 10.35 am
- **Next meetings:** 31<sup>st</sup> July , 9am to 10.30am Pacific
- 7<sup>th</sup> August , 9am to 10.30am Pacific
- 14<sup>th</sup> August , 9am to 10.30am Pacific

# MMF ad hoc meeting minutes, 24<sup>th</sup> July 2014

- Noted items that will require a comment against D3.1:
  - Section 95.7.2, need to modify *note d* under Table 95-7 to be consistent with using the TxVEC target value as the main metric of the stressed receiver conformance signal.
  - Section 95.8.5.2, amend text describing patterns for measuring Pave and histograms to include ‘Using one of the patterns specified in Table 95-10, measure...’ to be clear that P<sub>ave</sub>, crossing points, and the histograms, are all measured with the same test pattern.
  - Section 95.8.5.2, change ‘outer boundary of the histogram.’ to ‘outer boundary of the histogram window.’
  - Section 95.8.5.5, note a) against Table-95-xx , change ‘sine’ to ‘sinusoidal’
  - Section 95.8.8.2, need to modify the fifth indented paragraph describing the iteration of adjustable features, to be consistent with using TxVEC target value as the main metric of the stressed receiver conformance signal.
  - Table 95-13 should have a corresponding PICS entry.
  - 95.12.4.5 Comment needed to make IEC hazard level requirement consistent
  - Section 95.8.8.4 change ‘implementor’ to ‘implementer’
- For consideration in MMF ad hoc :
  - Different (more descriptive) name for TxVEC ?
  - Should 100GBASE-SR4 signals be allowed for TxVEC measurements ?
  - What is the appropriate IEC hazard level for 100GBASE-SR4 ?
  - Check reference receiver noise assumptions in clause 86.
  - Review of the value of the Tx\_OMA minus TDP vs min Tx\_OMA (currently 0.9 dB for clause 95)

# Attendees

Pete Anslow, Ciena

Piers Dawe, Mellanox

Dan Dove, Dove Networking Solutions/Huawei

Mike Dudek, Qlogic

Ali Ghiasi, independent

Jonathan King, Finisar

Petar Pepeljugski, IBM

John Petrilla, Avago Tech

Randy K Rannow, API

Mike Ressler, Hitachi Cable

Nathan Tracy, TE