

MMF Ad Hoc meeting minutes

21st August 2014

Unapproved minutes
recorded by jonathan king

MMF ad hoc meeting minutes, 21st August 2014

- **Meeting started** at 9 am Pacific, chaired by Jonathan King.
- **Attendee list** was taken from the Webex attendee list, 19 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. Minutes of 7th August were approved.
- **Presentations:**
 - “100GBASE-SR4 laser safety assessment” – Richard Johnson
- **Discussion:**
 - Richard reported his interpretation of the current status of IEC 60825-1 and IEC 60825-2. Although the updated version of IEC 60825-1 appears to allow higher output powers, it points to IEC 60825-2.
 - It was agreed that clause 95 should stay with a class 1 M hazard level and that the PICS statement should be to ensure Clause 95 is self consistent. Richard said he would seek further guidance on interpretation of extended sources in IEC 60825-2. Pete Anslow said he would make a comment against Draft 3.1 to
- **Discussion topics:**
 - Review of ‘Comments Required’ check list: volunteers were assigned to submit each of the comments.
 - There was brief discussion of the recipe used to set up the stressed eye used for testing SRS.
- **Meeting ended** at 11.05am
- **Next meetings:** 28th August , 9.30 am to 11 am Pacific

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- Noted items that will require a comment against D3.1:
 - (MD) 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.
 - (PiersD) Section 95.8.5.2, amend text describing patterns for measuring P_{ave} and histograms to include 'Using one of the patterns specified in Table 95-10, measure...' to be clear that P_{ave}, crossing points, and the histograms, are all measured with the same test pattern.
 - (JK) Section 95.8.5.2, change 'outer boundary of the histogram.' to 'outer boundary of the histogram window.'
 - (JP) Section 95.8.5.5, note a) against Table-95-xx, change 'sine' to 'sinusoidal'.
 - (JK) 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, and point to other changes needed for consistency, as shown in king_02_0814_optx
 - (JP) Table 95-13 should have a corresponding PICS entry.
 - (JP) 95.12.4.5 Comment needed to make IEC hazard level requirement consistent.
 - (PA) Section 95.8.8.4 change 'implementor' to 'implementer' (needs to be done for the whole of 802.3 via revision project)
 - (JP) Table 95-10, in 'TxVEC of stressed receiver conformance test signal calibration' row, replace '3 or 5' with '3, 5, or valid 100GBASE-SR4 signal'
 - (PA) Comment needed to make eye safety hazard class consistent throughout the draft.
 - (MD) Review use of clean clock vs CRU for SRS calibration
 - Consensus to use CRU for measurement of TxVEC, J2 and J4, but refer to use of a clean clock for calibration of Low frequency SJ. Make comment to replace clean clock with CRU in SRS test in Figure 95-5, and refer to clean clock in appropriate text
- For consideration in MMF ad hoc :
 - (MD, PD) Different (more descriptive) name for TxVEC /twinned names ?
 - (JP) Should 100GBASE-SR4 signals be allowed for TxVEC and other measurements ?
 - (PD) 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).
 - (MD) TxVEC value

Attendees

Pete Anslow, Ciena

Derek Cassidy, BT

Charlie Chen, Titan Photonics

Piers Dawe, Mellanox

Patrick Decker, Oracle

Dan Dove, Dove Networking Solutions/Huawei

Mike Dudek, Qlogic

Richard Johnson, Finisar

Jonathan King, Finisar

Greg LeCheminant, Keysight Technologies

Jeff Maki, Juniper

Richard Mellitz, Intel

John Petrilla, Avago Tech

Rick Rabinovich, Alcatel-Lucent

Rakesh Sambaraju, Nexans

Sam Sambasivan, ATT-Labs

Steve Trowbridge, Alcatel-Lucent

Paul Vanderlaans, Berk-Tek

Yuri Vandyshev, Cisco