MMF Ad Hoc meeting minutes

27th June 2013

Unapproved minutes

recorded by Jonathan King

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- **Meeting started** at 9.04 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**.
- **Meeting minutes for 20th June**: When asked, no objections were made to approving the 20th June meeting minutes, so they are approved by the MMF ad hoc.

- **Presentation 1:** TDP_test_draft_rev1a – working document prepared by Jonathan King, with proposed text for the TDP test following the format used in clause 86 (i.e. referencing clause 52 for the test definition, with a list of exceptions appropriate for clause 95)
- **Discussion:** The MMF ad hoc reviewed and edited the working document. It was noted that items in magenta are new text or modifications of the existing text in D1p0.
- **Presentation 2:** SRS_test_draft_rev1a – working document prepared by Jonathan King, with proposed text for the SRS and jitter tolerance test following the format used in clause 86.
- **Discussion:** The MMF ad hoc reviewed and edited the working document. The meeting agreed that clause 95 should use the format of clause 86 with separate SRS and jitter tolerance tests: section 95.8.8 SRS will reference clause 52 for the test definition, with a list of exceptions appropriate for clause 95, and an additional section (95.8.9) will be added to define the jitter tolerance test reference (cl.68) and appropriate list of exceptions.
- Jitter metric J4 was agreed to be appropriate for target BER=5×10^{-5}. Piers said J4 corresponds to a BER of 2.5×10^{-5}, i.e. no extrapolation is required to calculate TJ at target BER.

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- **Discussion continued:** The frequency of the fixed sinusoidal jitter signal used in the SRS test was discussed: 80 MHz was used for 10Gb/s lanes, it was agreed that a higher jitter frequency may be desired if test equipment (e.g. pattern generators) is generally able generate it. Greg LeCheminant offered to check what the upper limit was (just after the meeting Greg sent a message to the reflector saying it is typically 200 to 300 MHz).
- Jonathan said the post-meeting slides will be posted on the MMF ad hoc page, to be available for further review, and that a subset of the slides (i.e. just the slides showing suggested text associated with TDP test (slide 5 of the TDP working doc) and SRS test (slides 6,7,8) will be posted for reference during comment resolution in Geneva).
- **AOB:** There was brief discussion of test pattern 5 (scrambled idle) and a proposal to indicate that data will be RS-FEC encoded, with consensus that 802.3bm should be consistent with P802.3bj. Potential MMF ad hoc call dates and times for the next two weeks were discussed.
- **Meeting ended** at 10.37 am.
- **Actions and issues requiring resolution:**
  - Post-meeting slides to be added to MMF ad hoc materials page, together with summary slides for the proposed SRS test and TDP test text for clause 95 (for reference during comment resolution).
  - Contributions addressing the 100m MMF reach objective TBD items.
  - SRS test and TDP test parameter values.
- **Next meeting:** 3rd July 2013, 10.30am to 11.30am Pacific.
  - A provisional meeting for Thursday 11th July , 9am to 10.30am Pacific was agreed,

Attendees

Pete Anslow, Ciena
Mike Anstey,
Dave Brown, Semtech Canada
Kevin Burt, Samtech
Piers Dawe, IPtronics
Dan Dove, Applied Micro
Ali Ghiasi, Broadcom
Jack Jewell, Commscope
Jonathan King, Finisar
Paul Kolesar, Commscope
Greg LeCheminant, Agilent
Chuang Liang, Oplink
Marco Mazzini, Cisco
Gary Nicholl, Cisco
Oded Wertheim,
John Petrilla, Avago Technologies
Rick Rabinovich, Alcatel-Lucent
Michael Ressl, Hitachi Cable
Sam Sambasivan, ATT Labs
Nathan Tracy, TE Connectivity
Paul Vanderlaan, Berk-Tek
CK Wong, FCI