CAUI-4 Ad hoc

Ryan Latchman, MACOM

Agenda

- Patent Policy: This meeting is an official IEEE ad hoc. Please review the patent policy at the following site prior to the meeting.
  http://www.ieee802.org/3/patent.html
  - 1. Presentations should not include restrictive notices
  - 2. IEEE 802.3 follows the standards development individual process. Per the IEEE-SA bylaws...
  - 5.2 Standards-development process
    5.2.1 Participation in IEEE standards development
    Participants in the IEEE standards development individual process shall act based on their qualifications and experience.
  - Therefore statements such as "<entity name> proposes..." and "<entity name> encourages..." should be avoided.
- Review our comment against P802.3bm Draft 3.0 related to adaptive CTLE Rx equalization for CAUI4 C2M – Gary Nicholl / Allessandro Cavaciuti
- Review update to ran_01_062714_CAUI4 / transmitter equalization specification
- Next meeting: July 9th 8:00am

Attendees and Minutes

Attendees:

Alessandro Cavaciuti, Cisco

Randy Rannow, API Chip

Mike Dudek, QLogic Corporation

Pete Anslow , Ciena

Megha Shanbhag, TE

Adee Ran, Intel

Dan Dove, Dove Networking

Adam Healey, Avago

Gary Nichol, Cisco

Pirooz Tooyerkani, Cisco

Sam Sambasivan, AT&T

David Brown, Semtech

Greg Lecheminant, Agilent

Tom Palkert, Luxtera

Piers Dawe, Mellanox

Ryan Latchman, Macom

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- Review our comment against P802.3bm Draft 3.0 related to adaptive CTLE Rx equalization for CAUI4 C2M – Gary Nicholl / Allessandro Cavaciuti
  - Requests for modules to operate +/-2dB reference CTLE values based on loss variation presented
  - Also implies hosts are evaluated with +/-2dB of the reference CTLE value to pass output compliance
  - Ad hoc requested to analyze presentation, will discuss during the next ad hoc meeting in an effort to gain consensus on path forward

- Reviewed ran_01_030714_caui
  - Update presentation so "…pre-cursor tap value $c(-1)$…." becomes "…pre-cursor tap $c(-1)$ ratio…."
  - Update presentation so "…post-cursor tap value $c(1)$…." becomes "…post-cursor tap $c(1)$ ratio…."
  - Piers to consider update to tolerance specification