IEEE P802.3cb 2.5 Gb/s & 5 Gb/s Backplane Task Force Closing Report

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IEEE P802.3cb 2.5 Gb/s & 5 Gb/s Backplane and Cable Project information

Task Force Organization

Dan Smith, Seagate, P802.3cb Task Force Chair

Dan Smith, Seagate, P802.3cb Arch Ad Hoc Chair

Task force web and reflector information

Reflector information: http://www.ieee802.org/3/cb/reflector.html

Home page (Public & Private): http://ieee802.org/3/cb/index.html

PAR: http://www.ieee802.org/3/cb/P802_3cb_PAR_modification_072716.pdf

CSD: http://www.ieee802.org/3/cb/P802_3cb_CSD_modification_072716.pdf

Objectives: http://www.ieee802.org/3/cb/8023cb-objectives.pdf

Timelines: http://www.ieee802.org/3/cb/802.3cb_timeline_Mar-2017a.pdf

IEEE P802.3cb Activities This Week

Accomplishments:

- 19 total comments received and responded to
- Big ticket: SNDR comment resolution agreed with commenters and implementation to be included in Draft 2.4 for recirculation

(more below)

IEEE P802.3cb Activities This Week

Accomplishments: (continued)

- Unresolved negatives are shown in document located at:
  http://www.ieee802.org/3/cb/comments/IEEE_P802.3cb_unresolved_comments_160317.pdf

  - From D2.2, comment #7 :
    SNDR of 5.6 dB will not meet BER criteria of E-12. Value change was rejected – out of scope.

  - From D2.3, comments #10, 13, 14, 15, 16, 18, 19 :
    SNDR deficiency (as stated in #7 above) requires change to measurement description to add reference receiver to test measurement to ensure proper SNDR value.
    Comments related to CTLE are part of this reference receiver measurement – they all ensure proper SNDR values and BER performance.

  - From D2.3, comment #9, #11, #12 :
    Incorrect cross references – all will be fixed by the editor.

  - From D2.3, comment #7 :
    Incorrect text at subclause 45.2.1.89.6 was eliminated from a previous draft. This change has been satisfied by resolution of Peter Anslow's comment #4.

  - From D2.3, comment #17 :
    Equation 120B-6 does not match the 11 dB, 2.5G loss requirement or the 16 dB, 5G loss requirement. The equation will be changed to reflect the correct values.

Motions Approved

1. Moved to approve all resolved comments for Draft 2.3 recirculation.

2. Moved to request the editors be given editorial license to produce Draft 2.4.

3. Moved to re-affirm the CSD responses and authorize the chair to request that the 802.3 Working Group grant conditional approval to progress the IEEE P802.3cb draft to IEEE 802 LMSC sponsor ballot once the Working Group ballot process has been successfully completed.

IEEE P802.3cb 2.5 Gb/s & 5 Gb/s Backplane Task Force Plans

Next Steps

- Requesting Conditional Sponsor Ballot
  - Draft 2.4 recirculation will resolve all disapprove comments (SNDR issue)
- After completion of Draft 2.4 edits, move to recirc #4
  - Finish editing of Draft 2.4 by April 14 (~ 4 weeks after Plenary)
  - Begin-End recirc: April 19 – May 4
- Requesting Contingent Interim Task Force Meeting
  - Only needed if new negatives or substantive changes must be addressed
  - Meeting date: May 5th
  - If needed, start recirc #5 after Contingent Interim

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Further Steps

- Requesting Contingent Interim Task Force Meeting after May Interim (ends May 26th)
  - Only needed if follow-on recirculation is required
    - Becomes recirc #5 if only recirc #4 before May Interim
    - Becomes recirc #6 if recirc #4 & #5 are accomplished before May Interim
  - Finish draft editing : June 2 (~ one week after interim)
  - Begin-End recirc: June 7 – Jun 22
  - *June 23*: Contingent Interim TF Meeting

Motion

Move that the IEEE 802.3 Working Group re-affirm the CSD responses in https://mentor.ieee.org/802-ec/dcn/16/ec-16-0143-00-ACSD-802-3cb.pdf and request conditional approval to progress the IEEE P802.3cb draft to IEEE 802 LMSC sponsor ballot once the Working Group ballot process has been successfully completed.

Moved by:

Seconded by:

Y:

N:

A:

Motion Passes/Fails

(Technical 75% Required)

Questions?

Thank you!