# Minutes P802.3bz Architecture AdHoc meeting August 28 2015

Prepared by Peter Jones

## Proposed Agenda:

1.      Agenda/Admin      Peter Jones

## Presentations posted at:

http://grouper.ieee.org/groups/802/3/NGEBASET/public/archadhoc/index.html

## Agenda/Admin Peter Jones:

Meeting began at 9:03 am PST.

1. Reviewed the Attendance information related to the ad hoc.
2. Asked if we needed to review patent policy, no one requested review.
3. Reminded participants to indicate full names and employer/affiliation correctly for the meeting minutes.
4. Asked for corrections of draft minutes jones_3bz_minutes_01_070715.pdf link or approval
   a. Approved without objection
5. Presented the proposed agenda.
   a. Added a 5 minute slot for Yong Kim to highlight the start of the "CU4HDD - 2.5G/5G Backplane & Copper Study Group Arch Ad Hoc" meeting series on Thursday Aug 27th 9:00am PST. Yong delivered brief reminder to group and asked for attendance.

## Presentations/Discussion.

### Salz SNR Text and Procedure – George Zimmerman, CME Consulting / Commscope & Aquantia (not as Editor)

- General ask for PHY vendors to check the numbers and provide updates as required.
- Slide 5 "PSD templates"
  - Presenter notes that "−20log10" term may be a mistake; he will check and confirm correctness or post update. Similar issue on Slide 6.
    - Post meeting – Presenter says "I checked the filters, they should all be "10 log10", and hence I have revised the slide, the plots, and the power adjustment terms."
  - Q about Low Pass Filter – response is "always the same one"
- Slide 6 "1000BASE-T"
  - Some Q about filter? Presenter will check, may be copy/paste error.
    - Post meeting - Presenter says "The 0.625 + 0.375 pulse shaping filter is, I believe correct. (question on slide 6)"
- Slide 10 "Getting to a Target SNR"
  - Some discussion of how to get to an answer. Presenter outlines his approach. Invites response/feedback, goal is to get consensus in September interim.

- o   Note from call - Needs to match up with adopted Link Segment objectives
- Slide 13 "Procedure Clarifications"
  - o    "What frequency to start at? - Recommend 3 MHz", Question if 1MHZ will achieve goal and draw less questions, Presenter will think about it.
- General Q/responses
  - o   Positive feedback from group on contribution.
  - o   Some discussion about the way the equations are written. Discussion about what belongs in IEEE 802.3 doc vs what goes in other specs (e.g. TIA).
- Next steps
  - o   Review the PSD templates (especially 1000BASE-T)  – about right or need to change (propose something)?
  - o   Target SNR -  about right or need to change (propose something)
  - o   PBO math – single vs average vs worst case IL
  - o   Target SNR vs Use cases
  - o   What goes in 802.3bz vs other docs (e.g. TIA TR42.7 etc)

Meeting closed – ~10:15am  PST

# Attendees (from Webex + emails)

| Name | Affiliation | Attended 8/25 |
|---|---|---|
| Amrik Bains | Cisco | y |
| Brett McClellan | Marvell | y |
| Bryan Moffitt | Commscope | y |
| Ching-Yao Su | Realtek | y |
| Chris Diminico | MC Communications | y |
| Clark Carty | Cisco | y |
| Dave Hess | Cord Data | y |
| David Estes | Spirent | y |
| Dieter Schicketanz | Leoni Kerpen/ University of Reutlingen | y |
| Geoffrey Chacon | HP | y |
| George Zimmerman | CME - Commscope, Aquantia, Linear tech | y |
| German Feyh | Broadcom | y |
| Hossein Sedarat | Aquantia | y |
| Jacky Chang | HP | y |
| Martin Rossbach | Nexans | y |
| Matt Schumacher | Berk-Tek | y |
| Pete Cibula | Intel | y |
| Peter Jones | Cisco | y |
| Peter Wu | Marvell | y |
| Ramin Farjad | Aquantia | y |
| Rick Rabinovich | ALE | y |
| Thuyen Dinh | Pulse | y |
| Tom Souvignier | Broadcom | y |
| Yong Kim | Broadcom | y |
| Attendee count | | 24 |