Minutes P802.3bz Architecture AdHoc meeting 30th June 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 9:05 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. Notified of draft minutes 23rd June 2015 just posted –
   a. ask for approval next meeting
5. Presented the proposed agenda.
   a. Accepted without objection

Presentations/Discussion.

Alien crosstalk and PBO – Dieter Schicketanz & Dave Hess

- Slide 3 – many questions about definitions & underlying equations, e.g. what is "Limit l-s". Presenter to initiate follow up discussion with interest parties. Use of reflector is suggested so that discussion is visible to all and we can move the whole group forwards.
- General commentary from call.
  o IEEE and IOS/IEC used to have common definitions; ISO/IES evolved their definitions and IEEE to moving to harmonize with ISO/IEC (e.g. heading towards using AACRF).
  o Much of this is covered in 10GBASE-T (clause 55), e.g. questions about different coupling lengths,
- Questions re Sedarat_3bz_01_230615.pdf -
  o Check 10GBASE-T clause 55.7.3. Much material covered there.
  o Sedarat says all equations etc. are in line with Clause 55 and TIA.
  o Slide 9 – Q about power sum? Sedarat says yes, was included.
  o Slide 10 – Q about 22db? Sedarat says 22dB is outlier, for majority of cable 15dB is fine.
  o Slide 11 – Q about 22dB? Sedarat says use 15dB as ref.

802.3bz EEE Parameters – Jim Graba

- 2.5G/240 M – only an artifact for discussion, not a claim for 240M reach. Showing we don't have a problem.

- Refresh time scaled based on baud rate (time based processing ends up being frame count)
- Quiet – concern based on phase drift for timing and independent of baud rate. Assertion is that quiet time should be the same in microseconds for 10GBT and 2.5G/5G to avoid clocks drifting too far apart.
- Sleep? 9 vs 12? 12 looks OK.
- Wait time? Number of 18 frames look fine.
- Training sync – why use 1 for 10G and 2 for 5G/2.5G.

802.3bz D0.1 – George Zimmerman
- Draft in the hands of the TF.
- Editorial team may insert editor's note where they see an issue, but if not going to wholesale add text without comments/motions/etc
- Detailed comments listing all the places a change needs to be made is much more effective than "and please change all relevant text" comments.
- For major technical issues:
  - Build consensus before comment resolution.
  - Support comments with presentations
  - Provide proposed text as much as possible.
- Editorial team needs good detailed review from TF to get a good standard done in a reasonable time.
  - Don't assume someone else is reading.
- Major areas:
  - EEE – Jim
  - PBO – Hossein
  - Link Segment – pending. Need from Cabling and PHY people. Something to talk about next week before Hawaii would be good.

Meeting closed – *10:12am PST*

Attendees (from Webex + emails)

Name	Affiliation	Attended 6/30
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 Chalupsky	Intel	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
Jerome-Yu	Realtek	y
Jim Graba	Broadcom	y
Kamal Dalmia	Aquantia	y
Keng Hua Chuang	HP	y
Masood Shariff	Commscope	y
Mike Good	Berk-Tek, LLC	y
Paul VANDERLAAN	Berk-Tek	y
Peter Jones	Cisco	y
Ramin Shirani	Aquantia	y
Rich Mellitz	Intel	y
Rick Rabinovich	ALE	y
Ron Tellas	Panduit	y
Simon Assouad	Broadcom	y
Steve Sedio	Foxconn	y
Tom Souvignier	Broadcom	y
Victor Renteria	Bel Fuse	y
Yong Kim	Broadcom	y
Attendee count		32