Agenda for the May 6 Meeting

P802.3by 25 Gb/s Ethernet Task Force
Architecture Ad Hoc
Matt Brown, APM
P802.3by Editor-In-Chief

802.3by ad hoc communications

- The 802.3by ad hoc web page is here:
  - http://www.ieee802.org/3/by/public/adhoc/index.html
  - Includes ad hoc meeting schedule and WebEx information.
- All task force e-mail communications are via the 802.3by reflector
  - archive and subscription links are here:
    http://www.ieee802.org/3/by/

Meeting

- Attendance
  - Attendee names and affiliations for these ad hoc meetings will be taken from the WebEx participants list.
  - Please ensure that your full name and employer/affiliation are indicated correctly.
  - If the WebEx participants list does not correctly indicate your name and employer/affiliation, please send an e-mail to the ad hoc recording secretary:
    Kent Lusted (kent dot c dot lusted at intel dot com).
- WebEx
  - Please mute your lines if you are not speaking
    - *6 to mute/unmute or click on mute button in the WebEx window
  - Noisy, unmuted lines will be muted by the WebEx organizer
    - *6 to unmute if this happens to you

Proposed agenda

- Approval of the Agenda
- IEEE patent policy reminder: http://www.ieee802.org/3/patent.html
- Approval of draft minutes for April 29
- P802.3by Task Force Update, Mark Nowell
- P802.3by D1.0 editorial update, Matt Brown
- "Two ways of showing 25G-AUI compliance", Piers Dawe
- "Use of RCWMs in Clause 108 RSFEC EEE", Don Cober
- "RS-FEC EEE fast lock using Rapid Codeword Markers", Oded Wertheim
- "Options for the RS-encoded 25GE", Juan-Carlos Calderon
- "Comment #108 - Overloaded 25GBASE-CR term", Kent Lusted
- Next ad hoc meeting May 13.

EDITORIAL UPDATE

<u>Tentative</u> editorial schedule

- ~~Apr 14: Post Draft 1.0 and request comments.~~
- ~~May 1: Comment deadline.~~
- ~~May 4: Post received comments.~~
- May 6: Architecture ad hoc: discuss BTIs.
- May 12: Post comment responses.
- May 13: Architecture ad hoc: discuss BTIs.
- May 20-22: Interim, resolve comments.

BTI = big ticket item

Items requiring work and consensus

No-FEC Mode Operation

- MTTFPA calculation for no-FEC operation for cable and backplane.
  - http://www.ieee802.org/3/by/public/adhoc/architecture/sun_042915_25GE_adhoc.pdf
- Specification of channel and host characteristics for no-FEC operation on cables up to 3 m.
  - http://www.ieee802.org/3/by/public/adhoc/architecture/mellitz_040815_25GE_adhoc.pdf

RS-FEC and PCS

- RS-FEC EEE wake signal.
  - http://www.ieee802.org/3/by/public/adhoc/architecture/ran_042915_25GE_adhoc.pdf
  - presentations today (Don, Oded)
- Removal of RS-FEC codeword markers and use of BASE-R synchronization and EEE methods.
  - http://www.ieee802.org/3/by/public/adhoc/architecture/baden_041515_25GE_adhoc-v2.pdf
  - presentation today (Juan-Carlos)
- Analysis and justification of the PCS HIBER window size and threshold.

25G-AUI C2M

- Complete specification of host and module interfaces using BER target of 1E-6 rather than 1E-15 (per CAUI-4).
  - presentation today (Piers)
- Module automatic CTLE operation.
  - http://www.ieee802.org/3/by/public/adhoc/architecture/nicholl_042915_25GE_adhoc.pdf

Draft 1.0 Comment Summary

- 196 comments received
- No late comments
- Hot topics
  - RS-FEC EEE wake signaling (Clause 108)
  - 25G-AUI C2M in general (Annex 109B)
  - 25GBASE-CR/CR-S cable and host specifications (Clause 110)

Draft 1.0 Comment Distribution by Clause