

Agenda for the April 29 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
- Meeting time extended to 2 hours.
- IEEE patent policy reminder: <http://www.ieee802.org/3/patent.html>
- Approval of draft minutes for April 15
- P802.3by Task Force Update, Mark Nowell
- P802.3by D1.0 editorial update, Matt Brown
- “Draft Informal Communication to SFF”, Dan Dove
- “RS-FEC LPI signaling”, Adee Ran
- “MTTFPA considerations for 25GbE no FEC mode”, Venu Balasubramonian
- “CTLE Enhancements for 25G_AUI”, Gary Nicholl
- Next ad hoc meeting May 6.

EDITORIAL UPDATE

Tentative 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.
 - presentation today (Venu)
- 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.
 - presentation today (Adee)
- 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
- 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).
- **Module automatic CTLE operation.**
 - Presentation today (Gary)