

# Agenda for the May 13 Meeting

P802.3by 25 Gb/s Ethernet Task Force  
Architecture Ad Hoc

Matt Brown, APM  
P802.3by Editor-In-Chief and  
Architecture Ad Hoc Chair

# 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](mailto:kent.c.lusted@intel.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 May 5
- P802.3by Task Force Update, Mark Nowell
- P802.3by D1.0 editorial update, Matt Brown
- “Two cable types for 25GBASE-CR and 25GBASE-CR-S”, Matt Brown
- “AM0 Talking Points ”, Eric Baden
- “Support for CWM removal”, Jeff Slavick
- Next ad hoc meeting TBD.

# **TASK FORCE UPDATE**

# Tentative 802.3by meeting plan

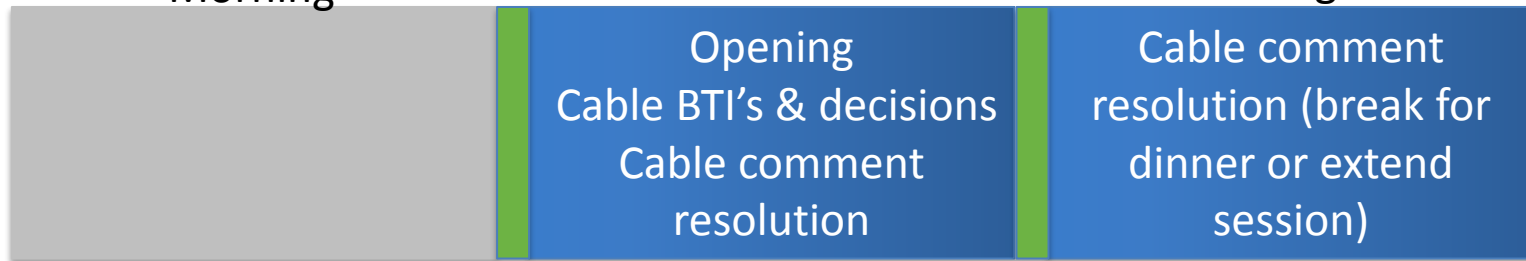
Interim Schedule: <http://515interim.sched.org/>

Morning

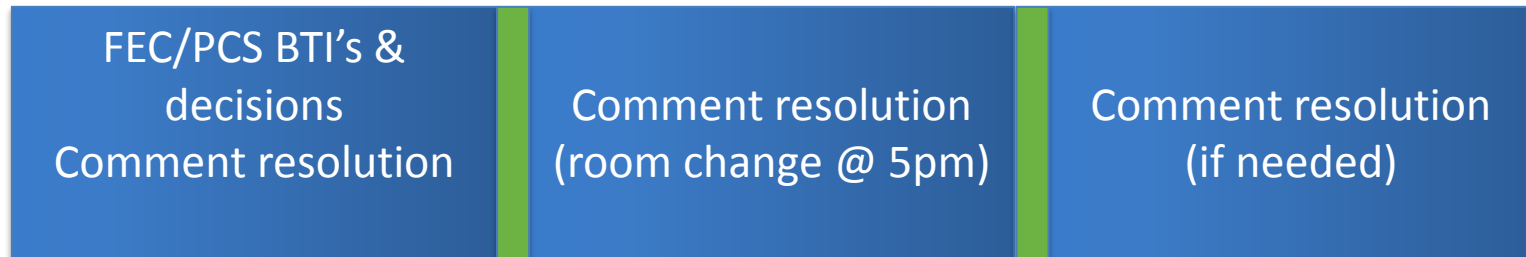
Afternoon

Evening

Wed  
05/20



Thurs  
05/21



Fri  
05/22



# **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. ← we are here
- May 20-22: Interim, resolve comments.

BTI = big ticket item



# Items requiring work and consensus

## No-FEC Mode Operation

- MTTFFPA calculation for no-FEC operation for cable and backplane.
  - [http://www.ieee802.org/3/by/public/adhoc/architecture/sun\\_042915\\_25GE\\_adhoc.pdf](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](http://www.ieee802.org/3/by/public/adhoc/architecture/mellitz_040815_25GE_adhoc.pdf)
  - new presentation today (Matt B)

## RS-FEC and PCS

- RS-FEC EEE wake signal.
  - [http://www.ieee802.org/3/by/public/adhoc/architecture/ran\\_042915\\_25GE\\_adhoc.pdf](http://www.ieee802.org/3/by/public/adhoc/architecture/ran_042915_25GE_adhoc.pdf)
  - [http://www.ieee802.org/3/by/public/adhoc/architecture/wertheim\\_050615\\_25GE\\_adhoc.pdf](http://www.ieee802.org/3/by/public/adhoc/architecture/wertheim_050615_25GE_adhoc.pdf)
- 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](http://www.ieee802.org/3/by/public/adhoc/architecture/baden_041515_25GE_adhoc-v2.pdf)
  - [http://www.ieee802.org/3/by/public/adhoc/architecture/calderon\\_050615\\_25GE\\_adhoc.pdf](http://www.ieee802.org/3/by/public/adhoc/architecture/calderon_050615_25GE_adhoc.pdf)
  - new presentation today (Jeff S)
- 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).
  - [http://www.ieee802.org/3/by/public/adhoc/architecture/dawe\\_050615\\_25GE\\_adhoc.pdf](http://www.ieee802.org/3/by/public/adhoc/architecture/dawe_050615_25GE_adhoc.pdf)
- Module automatic CTLE operation.
  - [http://www.ieee802.org/3/by/public/adhoc/architecture/nicholl\\_042915\\_25GE\\_adhoc.pdf](http://www.ieee802.org/3/by/public/adhoc/architecture/nicholl_042915_25GE_adhoc.pdf)