

Agenda for IEEE P802.3ck  
100 Gb/s, 200 Gb/s, and 400 Gb/s  
Electrical Interfaces Task Force  
ad hoc meeting, July 10th, 2019

Beth Kochuparambil – Chair

Kent Lusted – Vice Chair

# 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 chair: Beth Kochuparambil ([edonnay at cisco dot com](mailto:edonnay@cisco.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
- Participants wishing to contact the presenter can contact the Chair for their contact info

# .3ck Task Force ad hoc communications

- The TF web page is here:
  - <http://www.ieee802.org/3/ck/index.html>
- All e-mail communications are via the SG/TF reflector
  - archive and subscription links are here:  
<http://www.ieee802.org/3/100GEL/reflector.html>

# Participation in IEEE 802 Meetings

**Participation in any IEEE 802 meeting (Sponsor, Sponsor subgroup, Working Group, Working Group subgroup, etc.) is on an individual basis**

- **Participants in the IEEE standards development individual process shall act based on their qualifications and experience. ([https://standards.ieee.org/develop/policies/bylaws/sb\\_bylaws.pdf](https://standards.ieee.org/develop/policies/bylaws/sb_bylaws.pdf) section 5.2.1)**
- **IEEE 802 Working Group membership is by individual; “Working Group members shall participate in the consensus process in a manner consistent with their professional expert opinion as individuals, and not as organizational representatives”. (subclause 4.2.1 “Establishment”, of the IEEE 802 LMSC Working Group Policies and Procedures)**
- **Participants have an obligation to act and vote as an individual and not under the direction of any other individual or group. A Participant’s obligation to act and vote as an individual applies in all cases, regardless of any external commitments, agreements, contracts, or orders.**
- **Participants shall not direct the actions or votes of any other member of an IEEE 802 Working Group or retaliate against any other member for their actions or votes within IEEE 802 Working Group meetings, see [https://standards.ieee.org/develop/policies/bylaws/sb\\_bylaws.pdf](https://standards.ieee.org/develop/policies/bylaws/sb_bylaws.pdf) section 5.2.1.3 and the IEEE 802 LMSC Working Group Policies and Procedures, subclause 3.4.1 “Chair”, list item x.**

**By participating in IEEE 802 meetings, you accept these requirements. If you do not agree to these policies then you shall not participate.**

(Latest revision of IEEE 802 LMSC Working Group Policies and Procedures: <http://www.ieee802.org/devdocs.shtml>)

# Proposed agenda

- Approval of the Agenda
- Approve June 26<sup>th</sup> Ad Hoc Minutes
- IEEE Patent Policy reminder:
  - <http://www.ieee802.org/3/patent.html>
- IEEE Participation Requirements reminder
- Logistics for July Plenary meeting
- .3ck Technical Presentations\* –
  - 10dB C2C Channel With Impairments – Rick (15 min)
  - Backplane Reference Receiver Baseline – Howard (30 min)
  - C2M TP1a/TP4 Methodology – Phil (20 min)

\*Slides are posted in Ad Hoc area.

- <http://www.ieee802.org/3/ck/public/adhoc/index.html>

# Logistics for July Plenary

- 802 Plenary meets July 15-18<sup>th</sup> in Vienna, Austria
  - **.3ck is meeting Tuesday 9am\* – Thursday 12pm (with obvious breaks)**
    - \* Our start time may be delayed based on progress in .3cu (we are sharing a room)
- ~~Request for presentations are due Friday, July 5<sup>th</sup> AOE.~~
- **Presentations are due by 5pm PDT Wednesday, July 10<sup>th</sup>.**
  - Late presentations can/should still be submitted, but will be subject to available time on the agenda and Task Force approval.
- My goal: Adopt additional baselines, enough to make draft 1.0
- For more information and registration, see: <http://www.ieee802.org/3/interims/may19/index.html>
- If you are new to the IEEE standards and need more detail for submitting requests/presentations, see the webpage or email Beth: <http://www.ieee802.org/3/ck/public/presentproc.html>

# Outline for July Plenary

- Topic map is VERY tentative and subject to change based on discussion and meeting flow
- *Straw polls/motions may be sprinkled throughout the week (not ONLY Thursday morning as shown below)*

	Tuesday	Wednesday	Thursday
AM	(we'll start at 9am or when 3cu finishes) C2M	Backplane	Revisit topics Straw polls Motions
Lunch			
PM	C2M FEC	Cu Cable C2C	802.3 Plenary
Evening	CFIs	No social??	

# Baselines Adopted

<http://www.ieee802.org/3/ck/public/baselines/index.html>

## PCS, FEC, and PMA

- [Mark Gustlin presented FEC/PCS/PMA](#) (100G C2M AUI, 200G/400G all), Adopted Mar 2019

## Auto-Negotiation

- [Jeff Slavick presented AN](#), Adopted Sept 2018
- [Jeff Slavick presented Link Training](#) (with max\_wait\_timer as TBD), Adopted May 2019

## AUIs: C2M, C2C

- [Phil Sun presented C2M framework](#) (ref. RX agnostic), Adopted Mar 2019

## PMDs: Backplane & Cu Cable

- [Tom Palkert presented MDIs](#), Adopted Sept 2018
- [Howard Heck presented Backplane framework](#) (DFE-base ref. RX), Adopted Mar 2019

## Nomenclature

- [Kent Lusted presented 2 nomenclature options](#), Straw poll used to determine Option B Jan 2019

## Still Need:

- 100G KR/CR FEC/PCS/PMA
- 100G C2C FEC/PCS/PMA
- C2M Ref Rx/ERL?/Precoding?
- C2C
- Backplane Ref RX
- Cu Cable Budget/HCB/MCB