Agenda for IEEE P802.3ck 100 Gb/s, 200 Gb/s, and 400 Gb/s Electrical Interfaces Task Force ad hoc meeting, May 8th, 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).
- 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 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   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 April 24th Ad Hoc Minutes
- IEEE Patent Policy reminder:
  - http://www.ieee802.org/3/patent.html
- IEEE Participation Requirements reminder
- Logistics for May Interim meeting
- Status of Task Force
- .3ck Technical Presentations* –
  - System noise & receiver noise - Mau-Lin (30min)
  - Use case and some of the options for C2C-S/L - Ali Ghiasi (25min)
  - Solutions for Multi-Tap DFE Error Propagation - Louis Lu (10min)
  - 100G-CR1/KR1 PCS, FEC and PMA Baseline Proposal - Yan Zhuang (25min)

  *Slides are posted in Ad Hoc area.
  - http://www.ieee802.org/3/ck/public/adhoc/index.html

Logistics for May Interim

- 802.3/802.1 Joint Interim meets May 20-24th in Salt Lake City, Utah, USA
  - **.3ck is meeting Tuesday 8am – Thursday 6pm (with obvious breaks)**

- **Request for presentations are due Friday, May 10th AOE.**
- **Presentations are due by 5pm PDT Wednesday, May 15th.**
  - 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

Baselines Adopted

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

PCS, FEC, and PMA

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

Auto-Negotiation

- Jeff Slavick presented AN, Adopted Sept 2018

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

Outline for May Interim

- ***VERY rough* outline. Subject to change**. Much will depend on the presentations received.

	Monday	Tuesday	Wednesday	Thursday	Friday
AM		Backplane	C2M	Spill-over Motions	
Lunch					
PM		Cu Cable	FEC	C2C Straw polls	
Evening				WG Mtg	