

Agenda for IEEE P802.3ck
100 Gb/s, 200 Gb/s, and 400 Gb/s
Electrical Interfaces Task Force
ad hoc meeting,
August 28th, 2019

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 Kent Lusted ([kent.C.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
- Participants wishing to contact the presenter can contact the Vice 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 August 14th Ad Hoc Minutes
- IEEE Patent Policy reminder:
 - <http://www.ieee802.org/3/patent.html>
- IEEE Participation Requirements reminder
- Logistics for September Interim meeting
- .3ck Technical Presentations* –
 - “C2C Channel with Impairments”, Rick Rabinovich (30 mins)
 - “100G C2M Simulations”, Femi Akinwale (30 mins)

*Slides are posted in Ad Hoc area.

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

Logistics for September Interim

- 802 Plenary meets the week of September 9th 2019 in Indianapolis, Indiana, USA
 - .3ck is meeting Wednesday 8am* – Friday 12pm (with obvious breaks)
 - Goal: Adopt additional baselines, enough to make draft 1.0
- **Request for presentations are due Friday, August 30th AOE.**
- **Presentations are due by 5:00pm PDT Tuesday, Sept 3rd.**
 - NOTE: September 2nd is a US Holiday
 - Late presentations can/should still be submitted, but will be subject to available time on the agenda and Task Force approval.
- If you are new to the IEEE standards and need more detail for submitting requests/presentations, see the webpage : <http://www.ieee802.org/3/ck/public/presentproc.html>

Overlaps for September Interim

- We do our best to avoid overlaps, but cannot fully avoid due to many projects of interest.*

	Monday	Tuesday	Wednesday	Thursday	Friday
AM	3cm 3cu	3cm 3cn/ct	3cn/ct 3ck	3ck	3ck
Lunch					
PM	3cm 3cu	3cn/3ct	3ck	3ck	
Evening	NEA			802.3 WG	

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
- [Removed microQSFP](#) Adopted July 2019
- [MTF \(slides 24, 26-27 only\)](#) Adopted July 2019
- [Clint Walker presented Backplane Baseline](#) Adopted July 2019 (with Bmaxg = 0.05)

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
- Cu Cable Budget/HCB/MCB