

Agenda for IEEE P802.3ck
100 Gb/s, 200 Gb/s, and 400 Gb/s
Electrical Interfaces Task Force
ad hoc meeting,
January 15, 2020

Kent Lusted (Intel) – Vice Chair

Beth Kochuparambil (Cisco) – 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>

Proposed agenda

- Approval of the Agenda
- Approve 8 January 2020 Ad Hoc Minutes
- IEEE Patent Policy reminder:
 - <http://www.ieee802.org/3/patent.html>
- IEEE Copyright reminder
 - <https://standards.ieee.org/ipr/index.html>
- IEEE Participation Requirements reminder
- Task Force Status
- .3ck Technical Presentations* –
 - “100G CR Review Cu Cable Comments” – Sam Kocsis

*Slides are posted in Ad Hoc area.

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

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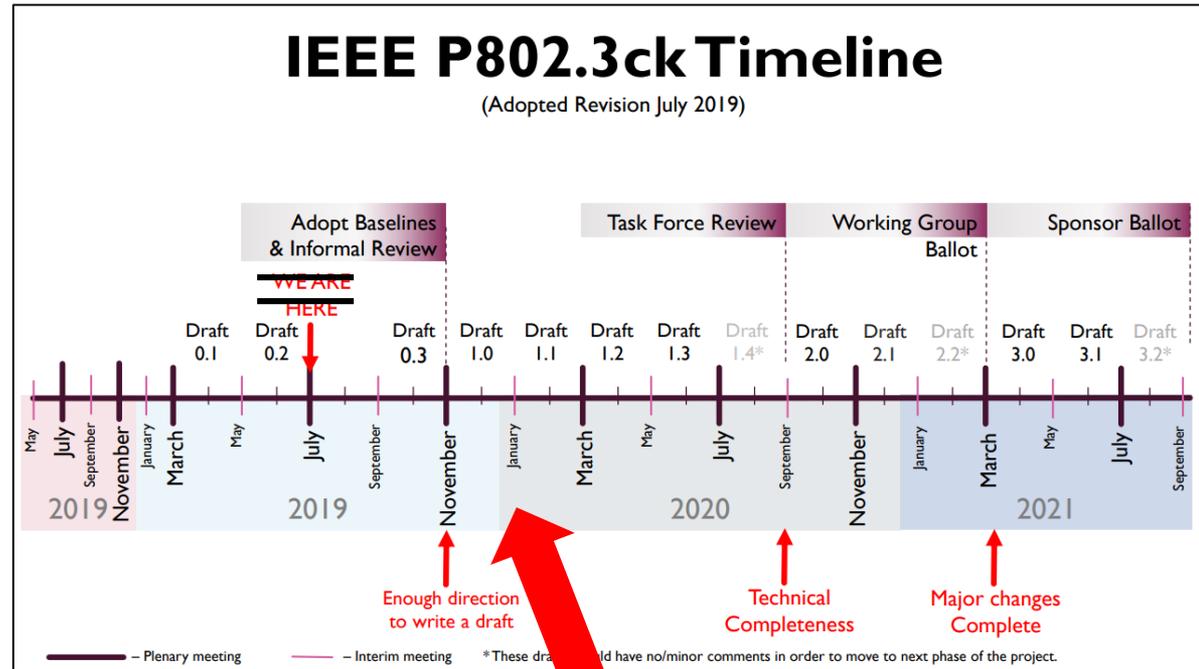
Participant Policy

Participants in the IEEE-SA “*individual process*” shall act independently of others, including employers

- The [IEEE-SA Standards Board Bylaws](#) require that “*participants in the IEEE standards development individual process shall act based on their qualifications and experience*”
- This means participants:
 - **Shall act & vote** based on their personal & independent opinions derived from their expertise, knowledge, and qualifications
 - **Shall not act or vote** based on any obligation to or any direction from any other person or organization, including an employer or client, regardless of any external commitments, agreements, contracts, or orders
 - **Shall not direct** the actions or votes of other participants or retaliate against other participants for fulfilling their responsibility to act & vote based on their personal & independently developed opinions
- By participating in standards activities using the “*individual process*”, you are deemed to accept these requirements; if you are unable to satisfy these requirements then you shall immediately cease any participation

Task Force Timeline Reminder

- Updated in July 2019



Task Force Update

- Draft 1.0 review completed! Thank you!
 - 244 comments from 16 reviewers
- Received comments posted to website
 - <http://www.ieee802.org/3/ck/comments/index.html>
 - Updated file (12-Jan-2020) with 2 late comments and 1 withdrawn
- Proposed responses to be posted by 16 January 2020 AOE

Comment Agenda

- There are many comments to process and 17 presentations in January (~24 hours meeting time).
 - Assuming ~50 bucket comments => ~190 comments in three days.
 - Many unique comments; it is going to be hard to meet that rate of closure.
- The TF leadership is exploring options on how to keep moving forward efficiently.

Comment Criteria

- All comments received on time shall be considered by the comment resolution group
- There will not be time at the interim meeting to craft solutions on the floor.
- Comments having certain criteria will be deferred to the end of the meeting; for example:
 - The comment is poorly written, no/bad justification, no/unclear remedy, etc.
 - The comment may be relevant but is far from mature, requires future detailed proposal, etc.
 - The comment may be relevant, is not critical to close, but may require a lot of consensus building to gain closure.

Logistics for January 2020

- TF meets the week of January 20, 2020 in Geneva, Switzerland
 - **3ck plans to meet Tuesday-Thursday (with obvious breaks)**
 - Not able to go late Wednesday
 - Goal: Review comments against D1.0, hear presentations
 - **Registration details at**
<http://www.ieee802.org/3/interims/index.html>
 - No host, no meeting fee, no hotel
 - Pre-register online
 - Must pick up building access pass @ ITU registration desk. Opens 830am Monday, 9am Tuesday-Friday
- 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 January

- *We do our best to avoid overlaps, but cannot fully avoid due to many projects of interest.*
- The Chairs requested the following:

	Monday	Tuesday	Wed	Thurs	Friday
Morning	3cu	3ct, 3ck	3ct, 3ck	3ck, 100GSR	100GSR
Afternoon	3cu	3ct, 3ck	3ct, 3ck	3ck, 100GSR	100GSR
Evening			3ck?	WG meeting	

http://iee802.org/3/interims/0120_sched_802_3_post.html

Baselines Adopted

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

If there is a baseline discrepancy between this webpage and the Task Force minutes, the Task Force minutes take precedence

PCS, FEC, and PMA

- [Mark Gustlin presented FEC/PCS/PMA](#) (100G C2MAUI, 200G/400G all), Adopted Mar 2019
- [Mark Gustlin presented 100G FEC \(basically slide 6\)](#) , Adopted Nov 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
- [Mike Li and Ali Ghiasi presented C2C baseline](#) (Adopted September 2019)
- [Phil Sun presented C2M baseline \(slides 5, 7, 8, 12 with some exceptions\)](#), Adopted November 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)
- [Cable Assembly, Host and Channel insertion loss \(slides 5, 6\)](#), Adopted November 2019
- [Floating tap weight range \(slide 18\)](#), Adopted November 2019
- [Floating tap weight implementation method](#), Adopted November 2019

Nomenclature

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

Still Need:

- ERL for all interfaces
- C2C Ref RX details
- C2M Ref RX details, test methodology