

## IEEE P802.3cu Task Force Ad Hoc meeting – Nov 6th, 2019

Prepared by Mark Nowell

### Proposed Agenda:

- Approve agenda
- Approve previous ad hoc minutes
- Patent reminder
- <http://www.ieee802.org/3/patent.html>
- Participant reminder
  - “Task Force Update” – Mark Nowell (5 mins)
  - “802.3cu D1p0 TDECQ-SECQ considerations.” – Marco Mazzini (20 mins)
  - “Clarification of proposal for value of TDECQ –SECQ Related to comment #7” – Peter Stassar (20 mins)

Presentations posted at:

[http://www.ieee802.org/3/cu/public/cu\\_adhoc/cu\\_archive/index.html](http://www.ieee802.org/3/cu/public/cu_adhoc/cu_archive/index.html)

Meeting began at ~8:05 a.m. Pacific

Meeting began with the agenda presentation:

[http://www.ieee802.org/3/cu/public/cu\\_adhoc/cu\\_archive/agenda\\_3cu\\_adhoc\\_110619.pdf](http://www.ieee802.org/3/cu/public/cu_adhoc/cu_archive/agenda_3cu_adhoc_110619.pdf)

The ad hoc chair reminded participants to indicate full names and employer/affiliation correctly for the meeting minutes. He reminded participants to mute lines when not speaking and reviewed the steps to unmute.

Showed the links to the IEEE 802.3cu Task Force ad hoc page and the email reflector.

Presented the proposed agenda and asked if there was objection as written.

The agenda was approved by the ad hoc.

Chair asked if there were any changes needed to the minutes from the last meeting that were posted. The minutes were approved by the ad hoc.

Reminded participants of the IEEE patent policy. He asked if anyone was unfamiliar with the IEEE patent policy. No one responded.

Reminded participants of the IEEE Participation Requirements and showed the slide with the Participation requirements. Chair asked if anyone was unfamiliar with the IEEE Participation Requirements. No one responded.

## Agenda Items

P802.3cu Task Force update, Mark Nowell

Draft update:

- D1.0 Review Closed
- Review Period: Sept 27th – Oct 29th, 2019
- 22 comments (E:5 ER:1 T:3 TR:13)
- Comments and proposed responses: <http://www.ieee802.org/3/cu/comments/index.html>

The next Task Force F2F meeting will be during Nov Plenary:

- <http://www.ieee802.org/3/interims/index.html>
- P802.3cu TF will meet in the afternoon Monday Nov 11<sup>th</sup> and all-day on Tues Nov 12<sup>th</sup>.
  - Monday afternoon 1pm-5pm (Queen's 5)
  - Tues all day 9am-5pm (Kona 5)

Goals:

- Resolve comments received against D1.0 (Review any technical contributions (including proposals aimed towards spec changes))
- Consider any contributions on nomenclature (to be handled outside the comment process)
- Adopt a Task Force timeline

**Presentation #1:** "802.3cu D1p0 TDECQ-SECQ considerations." – Marco Mazzini

See: [http://www.ieee802.org/3/cu/public/cu\\_adhoc/cu\\_archive/mazzini\\_3cu\\_adhoc\\_110619.pdf](http://www.ieee802.org/3/cu/public/cu_adhoc/cu_archive/mazzini_3cu_adhoc_110619.pdf)

- Presenter raised concerns about the newly adopted TDECQ-SECQ parameter
- Presenter raised concerns that the parameter may not be accurate and may not discriminate pre-distorted transmitters
- Presenter suggests that the TDECQ-SECQ parameter is redundant with the existing TDECQ- $10 \cdot \log(C_{eq})$  parameter which is already specified
- Presenter raised concerns about extra test time and cost involved in specifying this additional parameter

**Presentation #2:**

"Clarification of proposal for value of TDECQ –SECQ Related to comment #7" – Peter Stassar

See: [http://www.ieee802.org/3/cu/public/cu\\_adhoc/cu\\_archive/stassar\\_3cu\\_adhoc\\_110619.pdf](http://www.ieee802.org/3/cu/public/cu_adhoc/cu_archive/stassar_3cu_adhoc_110619.pdf)

- Presenter proposed a value for the new TDECQ-SECQ parameter (2.5dB) and provided further justification for the inclusion of new parameter
- Presenter explained how the approach of combining the transmitter distortion and dispersion into a parameter (TDP, TDECQ) allows the manufacturer to trade-off between the penalties

- Presenter explained how dispersion penalty is a major link penalty and needs to be constrained to ensure a maximum limit (typically 2-2.5dB is used in some ITU recommendations) as it tends to climb steeply at a certain point
- Presenter pointed out that not all parameters need to be tested in manufacturing

The ad hoc meeting ended at 9:15a.m. Pacific.

### List of attendees (captured from Webex tool)

|                     |                 |
|---------------------|-----------------|
| david malicoat      | Independent     |
| Ali Ghiasi          | Ghiasi Quantum  |
| Dave Lewis          | lumentum        |
| Matt Brown          | Huawei          |
| Thomas Palkert      | Molex           |
| Piers Dawe          | mellanox        |
| Phil Sun            | credosemi       |
| Stephen Didde       | keysight        |
| Ed Ulrichs          | sourcephotonics |
| David Piehler       | dell            |
| Ryo Okabe           | Fujitsu         |
| inho kim            | marvell         |
| Mark Nowell         | cisco           |
| Leon Bruckman       | huawei          |
| Shimon Muller       | axalume         |
| Steve<br>Trowbridge | nokia           |
| Rita Horner         | synopsys        |
| Karen Liu           | lightwavelogic  |
| Bill Kirkland       | semtech         |
| Peter Stassar       | huawei          |
| Marco Mazzini       | cisco           |
| Raymond Nering      | cisco           |
| Paul Kolesar        | Commscope       |
| Maniloff, Eric      | ciena           |
| Kenneth Jackson     | sei-device      |
| Derek Cassidy       | bt              |
| Yoshiaki Sone       | nel-america     |
| BRIAN WELCH         | cisco           |
| Gary Nicholl        | cisco           |