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# Agenda and General Information

IEEE P802.3cu 100 Gb/s and 400 Gb/s over SMF  
at 100 Gb/s per Wavelength Task Force

Mark Nowell, Cisco

Interim Meeting

March 17th

# P802.3cu Task Force

Attendance will be pulled from Webex. If you attend by audio only, please send email to chair with name, employer, affiliation for record of attendance

## Draft Agenda

- Approve agenda
- Approval Minutes
- Review IEEE Policies (<http://ieee802.org/3/policies.html>)
  - IEEE SA Patent Policy
  - IEEE SA Copyright Policy
  - IEEE SA Participation Policy
- Task Force update
- Task Force meeting plans
- Presentations
- Straw Polls, Motions as necessary
- Adjourn

# Participants have a duty to inform the IEEE

- Participants shall inform the IEEE (or cause the IEEE to be informed) of the identity of each holder of any potential Essential Patent Claims of which they are personally aware if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents
- Participants should inform the IEEE (or cause the IEEE to be informed) of the identity of any other holders of potential Essential Patent Claims
- Early identification of holders of potential Essential Patent Claims is encouraged

# Ways to inform IEEE

- Cause an LOA to be submitted to the IEEE-SA (patcom@ieee.org); or
- Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or
- Speak up now and respond to this Call for Potentially Essential Patents  
If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair

# Other guidelines for IEEE WG meetings

- All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.
  - Don't discuss the interpretation, validity, or essentiality of patents/patent claims.
  - Don't discuss specific license rates, terms, or conditions.
    - Relative costs of different technical approaches that include relative costs of patent licensing terms may be discussed in standards development meetings.
      - Technical considerations remain the primary focus
  - Don't discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.
  - Don't discuss the status or substance of ongoing or threatened litigation.
  - Don't be silent if inappropriate topics are discussed ... do formally object.

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For more details, see IEEE-SA Standards Board Operations Manual, clause 5.3.10 and Antitrust and Competition Policy: What You Need to Know at <http://standards.ieee.org/develop/policies/antitrust.pdf>

# Patent-related information

The patent policy and the procedures used to execute that policy are documented in the:

- IEEE-SA Standards Board Bylaws  
(<http://standards.ieee.org/develop/policies/bylaws/sect6-7.html#6>)
- IEEE-SA Standards Board Operations Manual  
(<http://standards.ieee.org/develop/policies/opman/sect6.html#6.3>)

Material about the patent policy is available at  
<http://standards.ieee.org/about/sasb/patcom/materials.html>

If you have questions, contact the IEEE-SA Standards Board Patent Committee Administrator at [patcom@ieee.org](mailto:patcom@ieee.org)

# IEEE SA Copyright Policy

- By participating in this activity, you agree to comply with the IEEE Code of Ethics, all applicable laws, and all IEEE policies and procedures including, but not limited to, the IEEE SA Copyright Policy.
  - Previously Published material (copyright assertion indicated) shall not be presented/submitted to the Working Group nor incorporated into a Working Group draft unless permission is granted.
  - Prior to presentation or submission, you shall notify the Working Group Chair of previously Published material and should assist the Chair in obtaining copyright permission acceptable to IEEE SA.
  - For material that is not previously Published, IEEE is automatically granted a license to use any material that is presented or submitted.

# IEEE SA Copyright Policy

- The IEEE SA Copyright Policy is described in the IEEE SA Standards Board Bylaws and IEEE SA Standards Board Operations Manual
  - IEEE SA Copyright Policy, see
    - Clause 7 of the IEEE SA Standards Board Bylaws  
<https://standards.ieee.org/about/policies/bylaws/sect6-7.html#7>
    - Clause 6.1 of the IEEE SA Standards Board Operations Manual  
<https://standards.ieee.org/about/policies/opman/sect6.html>
- IEEE SA Copyright Permission
  - <https://standards.ieee.org/content/dam/ieee-standards/standards/web/documents/other/permissionltrs.zip>
- IEEE SA Copyright FAQs
  - <http://standards.ieee.org/faqs/copyrights.html/>
- IEEE SA Best Practices for IEEE Standards Development
  - [http://standards.ieee.org/develop/policies/best\\_practices\\_for\\_ieee\\_standards\\_development\\_051215.pdf](http://standards.ieee.org/develop/policies/best_practices_for_ieee_standards_development_051215.pdf)
- Distribution of Draft Standards (see 6.1.3 of the SASB Operations Manual)
  - <https://standards.ieee.org/about/policies/opman/sect6.html>



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## Participant behavior in IEEE-SA activities is guided by the IEEE Codes of Ethics & Conduct

- All participants in IEEE-SA activities are expected to adhere to the core principles underlying the:
  - [IEEE Code of Ethics](#)
  - [IEEE Code of Conduct](#)
- The core principles of the IEEE Codes of Ethics & Conduct are to:
  - *Uphold the highest standards of integrity, responsible behavior, and ethical and professional conduct*
  - *Treat people fairly and with respect, to not engage in harassment, discrimination, or retaliation, and to protect people's privacy.*
  - *Avoid injuring others, their property, reputation, or employment by false or malicious action*
- The most recent versions of these Codes are available at <http://www.ieee.org/about/corporate/governance>

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## 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

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## IEEE-SA standards activities shall allow the fair & equitable consideration of all viewpoints

- The [IEEE-SA Standards Board Bylaws](#) (clause 5.2.1.3) specifies that *“the standards development process shall not be dominated by any single interest category, individual, or organization”*
  - This means no participant may exercise *“authority, leadership, or influence by reason of superior leverage, strength, or representation to the exclusion of fair and equitable consideration of other viewpoints”* or *“to hinder the progress of the standards development activity”*
- This rule applies equally to those participating in a standards development project and to that project’s leadership group
- Any person who reasonably suspects that dominance is occurring in a standards development project is encouraged to bring the issue to the attention of the Standards Committee or the project’s IEEE-SA Program Manager

# Goals for the series of meetings

- Resolve comments received against D2.0
  - Review any technical contributions (including proposals aimed towards spec changes)

# Status

- IEEE P802.3cu Task Force
  - D2.0 Ballot closed successfully

Voters	177	Response rate:	61.58%
Approve	81	Approval rate:	88.04%
Disapprove with comment	11	Abstain rate:	15.60%
Abstain	17		

- 122 Comments: ER/E/TR/T - 3/34/39/46
- IEEE 802 March 2020 Plenary cancelled
- Task Force meetings planned for March will be spread over multiple Interim Teleconference Meetings

# Going Forward

- Interim Teleconference Meeting Schedule
- Specific meeting agenda
- Resolving Comments
- Voting
- Presentation Requests / Submittal

# Meeting Schedule

<b>Date</b>	<b>Tentative Meeting Agenda Scope</b>
3/17	Overshoot & Ceq presentations, consensus assessment, comment resolution
3/24	Complete Overshoot & Ceq comment resolution
3/31	Reach presentations, consensus assessment, comment resolution
4/7	comment resolution
4/14	comment resolution
4/21	comment resolution
4/28	comment resolution

Chief editor will update comment agendas before each meetings.

Target 2hr meetings in the 7-10am PT window  
3 hrs possible during the "Plenary" week

# March

Monday	Tuesday	Wednesday	Thursday	Friday
2	3	4	5	6
9	10	11	12 802.3ct	13
16 802.3ck	17 802.cu	18 802.3ck	19 802.3ct	20
23 BWA Tutorial	24 802.cu	25 802.3ck	26 802.3ct	27
30 802.3ck	31 802.cu			



# April

Monday	Tuesday	Wednesday	Thursday	Friday
		1 802.3ck	2 802.3cw	3
6	7 802.3cu	8 802.3ck	9 802.3ct	10
13	14 802.3cu	15	16 802.3ct	17
20	21 802.3cu	22 802.3ck	23 802.3cw	24
27	28 802.3cu	29 100GSR	30 NEA Meeting	

# May

Monday

Tuesday

Wednesday

Thursday

Friday

				1
4	5	6	7	8
11	12	13	14	15
18	19	20	21	22
25	26	27	28	29

# Common Comment Resolution Process

(.3ck,.3cu,.3ct)

- Comment Status Terminology
  - “Open” comments – comments that Task Force have not agreed upon a remedy
  - “Closed” comments – comments that Task Force have agreed upon a remedy
  - “Final” comments – Task Force has approved motion to adopt the responses to the closed comments
- Allow individuals (other than commenter) two business days to request, *via the reflector*, a “Closed” comment, *from the prior meeting only*, be considered for re-opening
  - Post updated comment database after each meeting
  - Individual needs to be present at next meeting to address
  - Normal procedures within the group will apply to determine if comment will be re-opened
- After comment resolution is over – normal procedures to adopt responses and generate next draft will be followed

# Tracking progress

- Plan to gather all presentation materials under the “March 2020” meeting page
- Plan to update the comment databases and post the latest version after each meeting

## Task Force meeting materials

- March 2020, Atlanta, GA (F2F meeting cancelled)
  - Replacement Interim Telephone meetings: [Interim meeting materials](#) [Call info](#)
- [Jan 2020, Geneva, Switzerland](#)
- [Nov 2019, Kona, HI, USA](#)
- [Sept 2019, Indianapolis, IN, USA](#)
- [July 2019, Vienna, Austria](#)
- [May 2019, Salt Lake City, UT USA](#)

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

## Working Group Ballot

### Draft D2.0

- Comments received ([Sorted by Clause](#)) or ([Sorted by ID](#)) 3-Mar-2020
- Proposed responses ([Sorted by Clause](#)) or ([Sorted by ID](#)) 12-Mar-2020
  - Proposed list of comment responses in the "Bucket" x-Mar-2020
- Latest comment reports including closed (but not final) comments
  - ([Sorted by Clause](#)) or ([Sorted by ID](#)) TBD
- Final responses ([Sorted by Clause](#)) or ([Sorted by ID](#)) ~~TBD~~

<http://www.ieee802.org/3/cu/comments/index.html>

# Note about Comment Resolutions Going Forward

- Consensus building will be key
  - Rule #1 – Use the Reflector
  - Rule #2 – See Rule #1
- Reference: IEEE SA Balloting and Comment Resolution Process Guidelines (<https://standards.ieee.org/content/dam/ieee-standards/standards/web/governance/revcom/guidelines.pdf>)
  - Multiple reasons possible for rejecting comment given –
    - a statement that the CRG could not reach consensus on the changes necessary to address the comment;

# Voting

- Reference: Excerpt from Section 3.4.2, IEEE 802.3 Operations Manual
  - [http://www.ieee802.org/3/rules/P802\\_3\\_rules.pdf](http://www.ieee802.org/3/rules/P802_3_rules.pdf)

There are two type of votes in the TF; votes on motions and votes in straw polls.

In face-to-face meetings where a TF is operating with membership rules for voting (see 3.3) only the TF members may make and vote on motions. In face-to-face meetings where membership rules are not in force all TF participants may make and vote on motions, subject only to the provision that they believe that they are qualified to vote on the matter before the TF. **Electronic meetings shall only consider motions to progress a draft and only when balloting is substantially complete.** Electronic meetings that will consider motions shall be approved by the WG Chair prior to the meeting announcement. In such meetings only IEEE 802.3 Working Group members may make and vote on motions. If a motion is not approved by unanimous consent it shall be taken as a roll call vote

In all cases, regardless of any membership rules that may or may not be in force, all participants who feel qualified may participate in a straw poll.

# 802.3 voters and potential voters

- Please note David Law's offer to those that are on the potential voter list for March Plenary

## Membership and attendance recording

### Membership requirements

- 75% attendance at 2 of last 4 plenary sessions
  - March 2020 IEEE 802 plenary has been cancelled
    - No plenary session to attend
  - After the July 2020 plenary last 4 plenary sessions
    - March 2019, July 2019, November 2019 and July 2020
- Gaining voting membership
  - Membership may be declared at discretion of Working Group Chair
    - Based on this provision I will grant membership to any individual that:
      - a) Is listed on the IEEE 802.3 Potential voter list published for March 2020 plenary meeting
      - b) Registered to attend the March 2020 plenary meeting prior to 5th March 2020
        - Even if subsequently cancelled prior to 5th March 2020
      - c) Contact me before Thursday 19th March 2020 23:59 AoE with proof of registration
    - Individuals granted membership will become members on Friday 20th March 2020
- Email [jon.lewis@dell.com](mailto:jon.lewis@dell.com) with your name, employer and affiliation
  - This will be compared against the teleconference tool attendance list

# Presentation Requests

- Presentation requests must be made the Thursday before the meeting, and presentations submitted on the Friday before the meeting to be posted during the weekend. Presentation time will be limited to 15 min



# Presentations today

Technical contributions on Overshoot and Ceq topics

- [802.3cu D2.0 PMD Spec Proposed Changes](#) Chris Cole (updated)
- [Trying to understand TDECQ](#) Gary Nicholl
- [In relation to the discussion around K or TDECQ - 10logCeq. What are we actually trying to do?](#) Peter Stassar (late)
- [TDECQ, slowness, badness and overshoot \(revised\)](#) Piers Dawe
- [Impact of Tx Overshoot on Link Performance and TDECQ](#) Roberto Rodes and Vipul Bhatt (updated)
- [On guarding against overshoot in extension of the TDECQ measurement](#) Pavel Zivny (late)

Thank You!