

IEEE 802.3 Maintenance Task Force

19 July 2021

Adam Healey, Broadcom Inc.
Chair, IEEE 802.3 Maintenance TF
Vice Chair, IEEE 802.3 Ethernet WG

Voting at electronic meetings

- IEEE 802.3 Operations Manual 3.4.2

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.

* Rule suspension [3] per IEEE 802.3 WG 10-day electronic ballot (closed 10 May 2020).

Decorum

- **Please MUTE if you are not speaking**
- An officer is permitted to make an audio or slideshow recording of this meeting exclusively for the purpose of generating minutes which shall not be copied or distributed. IEEE 802.3 meetings do not use this option. Recording of the proceedings by any other participant or observer, in part or in whole, via any means, is prohibited.
(*January 2020 IEEE-SA Standards Board Ops Manual 5.3.3.2*)
- Press (i.e., anyone reporting publicly on this meeting) are to announce their presence
(*January 2020 IEEE-SA Standards Board Ops Manual 5.3.3.3*)
- The conference tool in use for this meeting has a chat function. Public, and in some cases private chats, are available to the teleconference host after the meeting, and should be treated as a public statement that could appear in the minutes. The public chat function shall only be used for official business related to the meeting, as determined by the Chair. Parallel discussions between participants using the public chat function can be a distraction from the meeting and the Chair or designee will ask participants to cease such discussions should they occur.
- Please observe proper decorum in meetings

Agenda

- Review and approve agenda
- Approve minutes
- Guidelines for IEEE-SA Meetings
- IEEE-SA Copyright policy
- Participation in IEEE 802 Meetings
- Attendance procedures
- Consider open maintenance requests
- Standards to ISO/IEC JTC 1/SC 6 for adoption
- Revision plan update
- Future meetings

Agenda and minutes motions

- Motion #1: Approve the agenda
 - M: M. Hajduczenia S: J. Weaver
 - Procedural (> 50%)
 - Passed by unanimous consent
- May 2021 minutes were posted 27 May 2021
- Motion #2: Approve the [May 2021](#) minutes
 - M: S. Carlson S: A. Ran
 - Procedural (> 50%)
 - Passed by unanimous consent

Instructions for the WG Chair

The IEEE-SA strongly recommends that at each WG meeting the chair or a designee:

- **Show slides #1 through #4 of this presentation**
- **Advise the WG attendees that:**
 - IEEE's patent policy is described in Clause 6 of the *IEEE-SA Standards Board Bylaws*;
 - Early identification of patent claims which may be essential for the use of standards under development is strongly encouraged;
 - There may be Essential Patent Claims of which IEEE is not aware. Additionally, neither IEEE, the WG, nor the WG Chair can ensure the accuracy or completeness of any assurance or whether any such assurance is, in fact, of a Patent Claim that is essential for the use of the standard under development.
- **Instruct the WG Secretary to record in the minutes of the relevant WG meeting:**
 - That the foregoing information was provided and that slides 1 through 4 (and this slide 0, if applicable) were shown;
 - That the chair or designee provided an opportunity for participants to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) of which the participant is personally aware and that may be essential for the use of that standard
 - Any responses that were given, specifically the patent claim(s)/patent application claim(s) and/or the holder of the patent claim(s)/patent application claim(s) that were identified (if any) and by whom.
- The WG Chair shall ensure that a request is made to any identified holders of potential essential patent claim(s) to complete and submit a Letter of Assurance.
- It is recommended that the WG Chair review the guidance in *IEEE-SA Standards Board Operations Manual* 6.3.5 and in FAQs 14 and 15 on inclusion of potential Essential Patent Claims by incorporation or by reference.

Note: **WG** includes Working Groups, Task Groups, and other standards-developing committees with a PAR approved by the IEEE-SA Standards Board.

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.

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**

INSTRUCTIONS FOR CHAIRS OF STANDARDS DEVELOPMENT ACTIVITIES

At the beginning of each standards development meeting the chair or a designee is to:

- Show the following slides (or provide them beforehand)
- Advise the standards development group participants that:
- IEEE SA's copyright policy is described in Clause 7 of the IEEE SA Standards Board Bylaws and Clause 6.1 of the IEEE SA Standards Board Operations Manual;
- Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy;
- Instruct the Secretary to record in the minutes of the relevant meeting:
- That the foregoing information was provided and that the copyright slides were shown (or provided beforehand).

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
- Distribution of Draft Standards (see 6.1.3 of the SASB Operations Manual)
 - <https://standards.ieee.org/about/policies/opman/sect6.html>

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>

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

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

Attendance procedures

- IEEE Meeting Attendance Tool
 - <http://imat.ieee.org/>
- For more information, please see...
 - http://ieee802.org/3/minutes/attendance_procedures.pdf

Active Meetings

Please select the meeting you are currently attending

802 Plenary - July 2021 - Electronic US 06-Jul-2021

Select Working Group

C/LM/IEEE 802 Attendance
C/LM/WG802.1 Attendance
C/LM/WG802.3 Attendance
C/LM/WG802.11 Attendance
C/LM/WG802.15 Attendance

SUN 11-Jul-2021 MON 12-Jul-2021 TUE 13-Jul-2021 WED 14-Jul-2021 THU 15-Jul-2021 FRI 16-Jul-2021 SAT 17-Jul-2021 SUN 18-Jul-2021 MON 19-Jul-2021 TUE 20-Jul-2021

Schedule

	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
IEEE 802.3cw Task Force Meeting																	
IEEE 802.3 Maintenance Task Force meeting																	
IEEE P802.3cs Task Force Plenary Teleconference																	

Consideration of maintenance requests

Maintenance request status

- No new requests received since the May 2021 meeting
- 70 open maintenance requests
- Current status of open requests
 - Approved 0
 - Balloting 0
 - Ready for ballot 67
 - Awaiting clarification 0
 - Errata 0
 - To be categorized 3
- Also see http://www.ieee802.org/3/maint/requests/open_num.html

Maintenance requests to be categorized

- No requests for consideration at this meeting

Standards to ISO/IEC JTC 1/SC 6 for adoption

[Motion]

ISO/IEC JTC 1/SC 6 ballot results

- Committee internal ballots for IEEE Std 802.3cr-2021 and IEEE Std 802.3cu-2021 passed with no comments

Standards to ISO/IEC motion

- Motion #3:
Submit IEEE Std 802.3cv-2021, IEEE Std 802.3ct-2021, and IEEE Std 802.3cp-2021 to ISO/IEC JTC 1/SC 6 for ratification under the PSDO agreement.
 - M: R. Grow
 - Technical ($\geq 75\%$)
 - Passed by unanimous consent

S: M. Hajduczenia

Revision plan update

[Motion]

Revision project information

- Web site: <https://www.ieee802.org/3/dc/index.html>
- Editorial team
 - Pete Anslow
 - Marek Hajduczenia
 - Jon Lewis
 - Adee Ran
 - Thanks to all volunteers!

Considerations for the revision plan

Consideration	Comments
Target a short revision timeline	<ul style="list-style-type: none">• Minimize disruption to project schedules• Verify correct implementation of the roll-up and ballot maintenance changes• Use targeted maintenance projects for more “heavy lifting” (e.g., cq, cr, cv, dd)• Requires forbearance of the balloting group
Able to incorporate approved amendments into the revision draft prior to initial SA ballot	<ul style="list-style-type: none">• Add amendment as balloted and approved• It is a hardship on the editorial team (use sparingly)
SA ballot of amendments can be done in parallel with the revision	<ul style="list-style-type: none">• Amendment(s) requires one additional recirculation after completion of revision SA ballot• Align to final revision draft• Can be placed on the same RevCom agenda as the revision draft (but prefer not to do so)




Target revision schedule

Project	2021												2022											
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
P802.3ck			WGB										SAB								Std!			
P802.3cp						Std!																		
P802.3cs			WGB						SAB						Std!									
P802.3ct						Std!																		
P802.3cv	SAB				Std!																			
P802.3cw					WGB						SAB		SAB					Std!						
P802.3cx									WGB				SAB								Std!			
P802.3cy																	WGB						SAB	
P802.3cz									WGB										SAB					
P802.3da															WGB								SAB	
P802.3db									WGB				SAB					Std!						
P802.3dc							WGB				SAB				Std!									
SASB	nr	d	d s	nr d		nrb		d	d s	d nr		s												

Key

- d Nes/RevCom submission deadline
- n NesCom teleconference
- r RevCom teleconference
- b SB teleconference
- s SASB meeting series

Proposed path to Working Group ballot

Date	Action / Event	Notes
 13 May	IEEE P802.3/D1.0 posted	“Roll up” combines IEEE Std 802.3-2018 and 11 published amendments
 27 May	Maintenance TF meeting	Seek approval to generate D1.1 and submit it for WG preview <ul style="list-style-type: none">• Incorporate IEEE Std 802.3cv-2021• Implement maintenance requests
 25 June	Post IEEE P802.3/D1.1 Submit for WG preview	
19 July	Maintenance TF meeting	Consider any changes for D2.0 Seek approval to progress to WG ballot
22 July	IEEE 802.3 closing plenary	Seek approval to progress D2.0 to WG ballot

Change from D1.1 to D2.0

- Capitalization

142.3.5.1 Constants

EBD257

Type: 257-bit block

Description: The EBD257 constant holds the value of the end-of-burst delimiter.

Value: Bit 0 followed by $0x0\text{Ff}-10-(01\text{-EE-E8-02-D3-CA})_3-(\text{EB-D2-57})_4$

Draft motion

- Motion #4:

Progress IEEE P802.3/D2.0 to Working Group ballot.

- M: G. Thompson S: M. Hajduczenia
- Technical ($\geq 75\%$)
- Passed by unanimous consent

Next steps

- Request WG approval to progress to WG ballot
- If approval is granted...
- Draft 2.0 posted and ballot announcement issued circa 23 July
- Ballot close circa 21 August
- Teleconference meeting(s) to resolve comments
- Number and frequency of meetings depend on number of comments
- Meeting announcement(s) to be sent to reflector

Future meetings

- Future meetings will be announced on the Task Force reflector

Adjourn