Agenda and General Information

IEEE P802.3-2022/Cor 1 (IEEE 802.3dn) Multi-Gigabit Automotive MDI Return Loss

Brett McClellan, Chair Marvell
Plenary March 12, 2024
Agenda

- George Zimmerman, Task Force Recording Secretary
- Welcome and Introductions
- Approve Agenda
- Approve Prior Meeting Minutes
- Goals for this meeting
- Reflector and Web
- Ground Rules
- IEEE
  - Structure, Bylaws and Rules
  - Call for Patents
  - IEEE Standards Process
- Review of comments from WG preview draft
- Motions and Closing Business
- Future Meetings
Approve prior meeting minutes

• Need to approve minutes from 21 Feb 2024 at
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 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.
General Decorum

• 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)

• Please observe proper decorum in meetings
Teleconference Decorum

• Please MUTE if you are not speaking
• 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.
Goals for the meeting

• Review and address comments on WG preview draft
  – No comments received
• Prepare a motion requesting approval to move to WG ballot
Reflector and Web

• This task force will use the Maintenance reflector
• To subscribe to the Maintenance reflector, see: https://www.ieee802.org/3/maint/reflector.html

• Send Maintenance reflector messages to: stds-802-3-maint@listserv.ieee.org

• Task Force web page URL: http://ieee802.org/3/dn/index.html
Task Force Private Area

- URL: http://ieee802.org/3/private/maint/dnballot/
  - Username: 802.3dn
  - Password:
- Write it down…

- Note - The draft, and any other content, is posted for your review only, and neither the content nor access information should be copied or redistributed to others in violation of document copyrights.
Ground Rules

- Based upon IEEE 802.3 Rules
  - Foundation based upon Robert’s Rules of Order
  - Anyone in the room may speak
- **RESPECT** … give it, get it
- NO product pitches
- NO corporate pitches
- NO prices!!!
  - This includes costs, ASPs, etc. no matter what the currency
- NO restrictive notices
Attendance

• Attendance will be recorded from IMAT/Zoom
• Please rename yourself showing your employer and affiliation
IEEE Structure

IEEE-SA
Standards Association

IEEE-SA
Standards Board

RevCom
Review Committee

NesCom
New Stds. Committee

IEEE 802
Std. Committee

IEEE 802.3
Working Group

IEEE 802.3
Task Force

Approval Process

Standards Process

Technical Activities
Important Bylaws and Rules

  http://standards.ieee.org/develop/policies/sa_opman/

- IEEE-SA Standards Board Bylaws
  http://standards.ieee.org/develop/policies/bylaws/

  http://standards.ieee.org/develop/policies/opman/

- IEEE 802 LAN/MAN Standards Committee (LMSC) Policies and Procedures
  https://ieee.app.box.com/v/PandP-LMSC

- IEEE 802 LAN/MAN Standards Committee (LMSC) Operations Manual
  http://www.ieee802.org/devdocs.shtml

- IEEE 802 LAN/MAN Standards Committee (LMSC) Working Group (WG) Policies and Procedures
  http://www.ieee802.org/devdocs.shtml

- IEEE 802.3 Working Group Operating Rules
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 WORKING GROUP 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. Formally object to the discussion immediately.

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

IEEE SA Best Practices for IEEE Standards Development

Distribution of Draft Standards (see 6.1.3 of the SASB Operations Manual)
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
Overview of IEEE 802.3 Standards Process (1/5)-Study Group Phase

Note: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.
Overview of IEEE 802.3 Standards Process (2/5) – Task Force Comment Phase

1. Approved PAR
2. Task Force Meetings
   - Objectives
     - Proposals Selected
       - Yes
         - Task Force Review
           - D1.0
             - D1.(n+1)
               - No
                 - To 802.3 WG Ballot
                   - Yes
                     - D2.0
               - Yes
                 - TF Review Done
                   - No
                     - Yes
                       - A
                   - Yes
                     - A
     - No
   - Yes

Overview of IEEE 802.3 Standards Process (3/5) – Working Group Ballot Phase

Notes: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

See 802.3 Operations Manual 2.6 and listed references for complete description.
Overview of IEEE 802.3 Standards Process (4/5) - IEEE Standards Association (SA) Ballot Phase

**Check Point** → **D3.(n+1)** → **TF Resolves Comments**

- **Substantive Changes**
  - Yes → **≥ 75%**
  - No → **In Scope New Negatives**
- **In Scope New Negatives**
  - Yes → **≥ 75%**
  - No → **SA BALLOT**

- **SA BALLOT**
  - Yes → **802.3 Forward to RevCom**
  - No → **B**

- **802.3 Forward to RevCom**
  - Yes → **C**
  - No → **B**

**802 EC Forward to RevCom**

Notes: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

See IEEE-SA Standards Board Operations Manual 5.4 for complete description.
Overview of IEEE 802.3 Standards Process (5/5) – Final Approvals / Standard Release

Notes: At "Check Point", either the activity is ended, or there may be various options that would allow resubmission for approval.
Liaisons and Communications

• None at this time
Action Items

• This is where the “To Do list items will be posted
IEEE P802.3dn Multi-Gigabit Automotive MDI Return Loss Approved Project Documents

• PAR
  – https://www.ieee802.org/3/dn/P802.3-2022_Cor_1_PAR.pdf
  – Scope of the proposed changes:
    Corrections to MDI return loss Equations (149–27) and (165–42) and to Figure 165–38 ‘MDI return loss calculated limit in Equation (165–42)’.
IEEE P802.3dn Multi-Gigabit Automotive MDI Return Loss Timeline

• Expected date of submission of draft to the IEEE SA for initial Standards Association Ballot: May 2024

• Projected completion date for submittal to RevCom: August 2024
Presentations

• Preview WG Draft 2.0

Note – Times listed are subject to change.
Future Meetings

• See: http://www.ieee802.org/3/interims/index.html
• Next meeting is contingent upon Working Group approval to go to WG ballot
• Contingent Interim Teleconference Week of 15 April 24: Comment resolution meeting
• Meeting details will be announced on the Task Force reflector
Motion

Motion #3: Move to request the IEEE 802.3 Working Group advance the D2.0 draft to working group ballot.

M: Bob Voss
S: Jon Lewis
Technical (>75%)

Motion Passed by UC
Thank You!