

# Agenda and General Information

IEEE 802.3

Greater than 10 Gb/s Automotive Ethernet Electrical PHYs  
Study Group

Steve Carlson, Chair

High Speed Design, Inc., Robert Bosch, Ethernovia

Teleconference interim meeting

May 18, 2020

# Agenda

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- Welcome and Introductions/Attendance
- Approve Agenda
- Approve minutes from January 2020
- Goals for this meeting
- Big Ticket Items
- Reflector and Web
- Ground Rules
- IEEE
  - Structure, Bylaws and Rules
  - Call for Patents
  - IEEE Standards Process
- Liaisons and Communications
- Presentations
- PAR and CSD Comment Resolution
  - Motion
- Review of PAR, CSD and objectives presentation to IEEE 802.3 WG
  - Motions
- Next steps
- Closing Business

# Study Group Decorum

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- **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)
- Please observe proper decorum in meetings

# Goals for the meeting

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- Study Group status – charter ends on May 18, 2020 (today)
- Comment resolution to PAR and CSD comments from 802 WG
- Review and approval of changes to PAR, CSD and objectives for WG meeting
- Next Steps

# Reflector and Web

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- To subscribe to the reflector, **Greater than 10 Gb/s Automotive Ethernet Electrical PHYs Study Group**, send an email to:

[ListServ@ieee.org](mailto:ListServ@ieee.org)

with the following in the body of the message (do not include “<>”):

*subscribe* stds-802-3-B10GAUTO <yourfirstname> <yourlastname>  
*end*

- Send **Greater than 10 Gb/s Automotive Ethernet Electrical PHYs Study Group** reflector messages to:

[stds-802-3-B10GAUTO@listserv.ieee.org](mailto:stds-802-3-B10GAUTO@listserv.ieee.org)

- Study Group web page URL:

<http://ieee802.org/3/B10GAUTO/index.html>

# Attendance

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- Tutorial Material on attendance tool
  - [http://ieee802.org/3/minutes/attendance\\_procedures.pdf](http://ieee802.org/3/minutes/attendance_procedures.pdf)
- Access details
  - URL: <http://imat.ieee.org/>
  - Session Access Code:

# Guidelines for IEEE-SA 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>

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

# Comment Resolution

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- [0520\\_B10GAUTO\\_PAR\\_CSD\\_comment\\_report.pdf](#)

# Motions

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- Move that the IEEE 802.3 Greater than 10 Gb/s Automotive Ethernet Electrical PHYs Study Group approve the IEEE P802.3cy objectives [http://grouper.ieee.org/groups/802/3/B10GAUTO/B10GAUTO\\_OBJ\\_DRAFT\\_03\\_1119.pdf](http://grouper.ieee.org/groups/802/3/B10GAUTO/B10GAUTO_OBJ_DRAFT_03_1119.pdf) with modifications as detailed on slides 4 through 5 of 0520\_B10GAUTO\_report.pdf
- M: Natalie Wienckowski
- S: Hossein Sedarat
- Y:                   N:                   A: (Technical  $\geq 75\%$ )

# Motions

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- Move that the IEEE 802.3 Greater than 10 Gb/s Automotive Ethernet Electrical PHYs approve the proposed IEEE P802.3cy Greater than 10 Gb/s Electrical Automotive Ethernet PHYs PAR <https://mentor.ieee.org/802-ec/dcn/20/ec-20-0008-01-00EC-ieee-p802-3cy-draft-par-response.pdf> with modifications as detailed on slides 7 through 11 of 0520\_B10GAUTO\_report.pdf.
- M: Hossein Sedarat
- S: George Zimmerman
- Y:            N:            A:    (Technical  $\geq 75\%$ )

# Motions

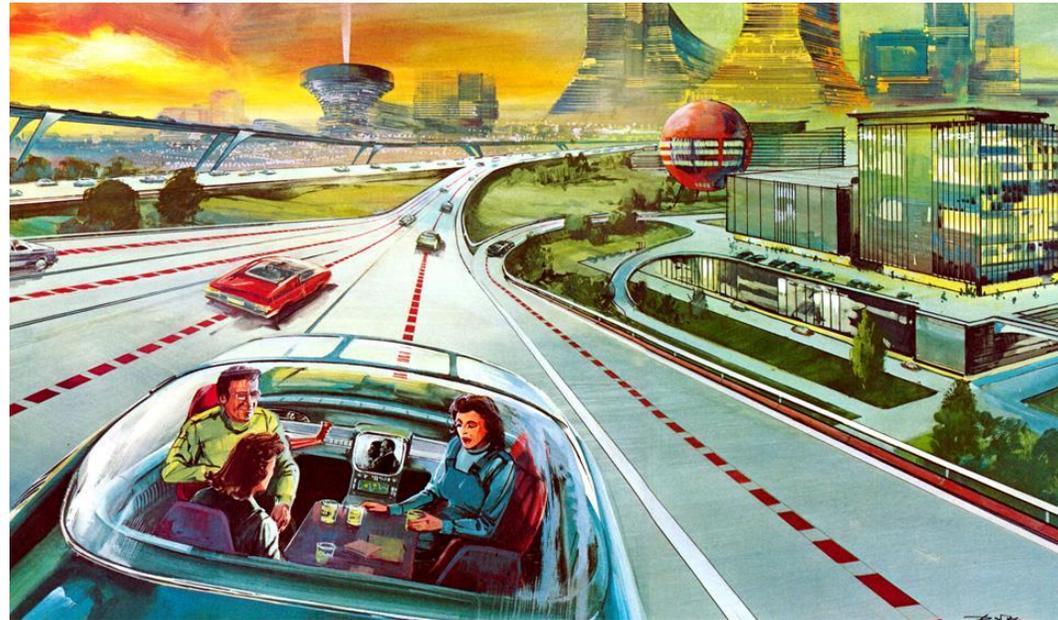
- Move that the IEEE 802.3 Greater than 10 Gb/s Automotive Ethernet Electrical PHYs approve the IEEE P802.3cy Greater than 10 Gb/s Electrical Automotive Ethernet PHYs CSD “Managed Objects”, “Coexistence”, “Broad Market Potential”, “Compatibility”, “Distinct Identity”, “Technical Feasibility”, and “Economic Feasibility” responses, as per <https://mentor.ieee.org/802-ec/dcn/20/ec-20-0009-00-00EC-ieee-p802-3cy-draft-csd-response.pdf> with modifications as detailed on slides 13 through 19 of 0520\_B10GAUTO\_report.pdf.
- M: George Zimmerman
- S: Natalie Wienckowski
- Y:           N:           A: (Technical  $\geq 75\%$ )

# Next steps

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- May 21 IEEE 802.3 WG telephonic interim meeting
  - Present PAR, CSD and objectives to IEEE 802.3 WG for approval
  - Submit PAR and CSD comment responses to IEEE 802 EC
  - Submit PAR and CSD to IEEE 802 EC for approval
- May 28 IEEE 802 EC telephonic interim meeting
  - IEEE 802 EC approve CSD and PAR and submit PAR to NesCom and IEEE-SASB
- June 2 IEEE-SA NesCom virtual meeting (P802.3cy PAR is on the agenda)
- June 4 IEEE-SASB virtual meeting for P802.3cy approval
- Once the PAR is approved, we become a Task Force
- Details of teleconference TF interims to be worked out

# Questions?



Thank you!