

Minutes IEEE P802.3cy Greater than 10 Gb/s Electrical Automotive Ethernet PHY TF AdHoc meeting December 21, 2021

Prepared by Natalie Wienckowski

Proposed Agenda:

Title	Presenters(s)	Affiliation(s)
Agenda	Natalie Wienckowski (ad hoc Chair)	General Motors
TF Chair's Comments	Steve Carlson	High Speed Design, Robert Bosch GmbH, Ethernovia
New Parameter Values for Micro-Reflection Limits	Ragnar Jonsson	Marvell
FEC and Interleaving Candidate	Ragnar Jonsson Mike Tu Alejandro Castrillon	Marvell Broadcom Marvell
Discussion of: EEE Scenarios for Automotive Links	George Zimmerman	ADI, APL Group, Cisco, CommScope, Marvell, SenTekSe
P802.3cy To-do list	Natalie Wienckowski	General Motors
Closing Remarks	Steve Carlson	High Speed Design, Robert Bosch GmbH, Ethernovia

See [adhoc webpage](#) for agenda deck and presentations

Agenda/Admin Natalie Wienckowski as ad hoc chair:

Meeting began at 10:03 am ET.

Introductions & Affiliations.

Presented file: [cy Task Force adhoc agenda 12 21 21.pdf](#)

1. Reviewed the Attendance information related to the ad hoc.
2. Displayed patent slide deck and asked if any participant had not read the IEEE-SA Patent Slides slide set, none responded.
Call for Patents was made at 10:10 am Eastern Time, none responded
3. Displayed the IEEE-SA Copyright policy slide and asked if any participant had not read the IEEE copyright slide set, none responded.
4. Displayed the IEEE-SA Participation slide and reviewed it.
5. Reminded participants to indicate full names and employer/affiliation for the meeting minutes.

Instructions for subscribing to the reflector may be found at <http://www.ieee802.org/3/cy/reflector.html>. If you cannot subscribe to the reflector for some reason, and need additional assistance please contact the Task Force chair.

Chair's comments: None at this time

Presentations/Discussion:

Presentation: [New Parameter Values for Micro-Reflection Limits](#) (Ragnar Jonsson, Marvell)

Ragnar presented an updated proposal for microreflections based on discussions with cable experts. The change is to support a larger group of cables based on testing by changing the number of segments to discard to 16 from 12.

Presentation: [FEC and Interleaving Candidate](#) (Ragnar Jonsson, Marvell; Mike Tu, Broadcom; Alejandro Castrillon, Marvell)

Ragnar presented a joint proposal for FEC and Interleaving for P802.3cy. There is still some ongoing discussion for the maximum interleaving value. While the relative complexity may seem large, the RS-FEC and Interleaving size is a small part of the PHY and provides good “bang for the buck”.

Presentation: Discussion of: [EEE Scenarios for Automotive Links](#) (George Zimmerman, ADI, APL Group, Cisco, CommScope, Marvell, SenTekSe)

George briefly reviewed his presentation from December 7th.

There was discussion on the Recommendations/questions on slide 11.

Presentation: [P802.3cy To-do list usage](#) (Natalie Wienckowski, General Motors)

The to-do list was reviewed and updated. Participants are urged to review the list for topics they can support and for missing topics. Please send a message to the reflector with requested changes to the list.

The current list can be found on this page: [To Do spreadsheets](#)

Closing Discussion

Consider joining the 802EC reflector if you are interested in the discussion on the March plenary fees.

Thanks to everyone for the incredible work and team work on collaborating on the contributions.

Please review the D0.4 and submit comments prior to the extended deadline of January 4th, AOE.

Make sure you respond to the open ballots if you are an 802.3 voter.

Check your voting status: https://ieee802.org/3/ballots/ballot_returns.pdf

Find open ballots: <https://ieee802.org/3/ballots/announce.html>

During the task force interim meeting on January 11th, David Law will propose Natalie Wienckowski as the TF vice chair and there will be a vote by the TF to confirm her.

Our next meeting will be on January 11th.

Happy Holidays to everyone!

Meeting adjourned at 11:43 AM ET.

Attendees (download participant list, email)

First	Last	Affiliation
Alejandro	Castrillon	Marvell
Bill	Simms	Nvidia
Brett	McClellan	Marvell
Chris	Goralka	Foxconn Interconnect Technology
Christian	Neulinger	MD Elektronik
Claude	Gauthier	NXP
David	Law	HPE
Eric J	Chang	Intel Corporation
Erwin	Köeppendorfer	Leoni Kabel GmbH
George	Zimmerman	CME Consulting / ADI, APL Group, Cisco Systems, CommScope, Marvell, SenTekSe
Giuseppe	Tofanicchio	ST
Harsh	Patel	Amphenol ICC
Hossein	Sedarat	Ethernovia
Jamila	Borda	BMW
Jim	Graba	Broadcom
Jonathan	Silvano de Sousa	GG - Austria
Keisuke	Kawahara	FURUKAWA ELECTRIC
Leon	Bruckman	Huawei
Louise	Yi	FIT
Manabu	Kagami	NITech (Nagoya Institute of Technology)
Martin	Glanzner	SEI ANTech Europe GmbH
Mike	Tu	Broadcom
Natalie	Wienckowski	General Motors
Nobuyasu	Araki	Yazaki
Peter	Wu	Marvell
Ragnar	Jonsson	Marvell
Roger	Karem	Upower
Sami	Akin	VW
Steve	Carlson	High Speed Design, Robert Bosch GmbH, Ethernovia
Taiji	Kondo	MegaChips
Terry	Little	Foxconn Interconnect Technology
Thomas	Müller	Rosenberger
Tingting	Zhang	Huawei
Tom	Souvignier	Broadcom
Toshihiro	Ichimaru	Sumitomo
Toshihisa	Hyakudai	Sony
Yoshihiro	Niihara	Fujikura Ltd.

First	Last	Affiliation
TOTAL	37	Attendees