

Minutes IEEE P802.3cy Greater than 10 Gb/s Electrical Automotive Ethernet PHY TF AdHoc meeting October 26, 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
802.3cy Micro-Reflexions Measurement Results	Thomas Müller	Rosenberger
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 11:04 am ET.

Introductions & Affiliations.

Presented file: [cy Task Force adhoc agenda 10 26 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 11:08 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: [802.3cy Micro-Reflexions Measurement Results](#) (Thomas Müller, Rosenberger)

Thomas shared some micro-reflection measurements of a couple of different link segments that are compliant with the baseline IL and RL. He analyzed the measurements based on the code provided by Ragnar. These calculations show that the parameter values proposed by Ragnar are achievable, even with STP cable with shorter lengths.

Thomas is not able to share the s4p files to be posted.

With the STP cable shown, 7m of cable did not meet the IL limit.

Thomas expects an 11m SPP cable that meets IL and RL will still meet the REM limit. The second in-line would be within the 12 buckets used for large reflections. Most of the REM impact is due to the first 3 m or so, adding

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

Information for the upcoming 802.3 November Plenary was reviewed. This information is also available in the agenda. Standard registration ends on Friday, November 5. This allows you to participate in all 802.x meetings during the two plenary weeks.

Register and pay prior to the meeting. They will find you and it will require lots of work for them to do so! Save this unnecessary tracking!

P802.3cy will have 2 meetings, on Nov. 9 & 16. There are 3 WG meetings. You need to attend a meeting on at least one other day for 6 out of 8 attendance days.

There are currently 5 ballots open. Make sure you vote or you may lose your voting rights.

Meeting adjourned at 11:47 AM ET.

Attendees (download participant list, email)

First	Last	Affiliation
Bill	Simms	Nvidia
Brett	McClellan	Marvell
Chris	Goralka	Foxconn Interconnect Technology
Christian	Neulinger	MD Elektronik
Clark	Carty	Cisco
Dan	Kennefick	Daikin America
Dave	Hess	Cord Data

First	Last	Affiliation
Emilio	Cuesta	TE Connectivity
Eric	DiBiaso	TE Connectivity
Erwin	Köeppendörfer	Leoni Kabel GmbH
German	Feyh	Broadcom
Harsh	Patel	Amphenol ICC
Haysam	Kadry	Ford
Hossein	Sedarat	Ethernovia
Istvan	Bakro Nagy	EFFECT Photonics
Jim	Graba	Broadcom
Jonathan	Silvano de Sousa	GG - Austria
Keisuke	Kawahara	FURUKAWA ELECTRIC
Leon	Bruckman	Huawei
Louise	Yi	FIT
Masato	Shiino	Furukawa
Matthew	Ronning	Sony
Mehmet	Tazebay	Broadcom
Mike	Tu	Broadcom
Natalie	Wienckowski	General Motors
Peter	Wu	Marvell
Ragnar	Jonsson	Marvell
Rich	Boyer	Aptiv
Qiwen	Zhong	Huawei
Sen	Zhang	Huawei
Steve	Carlson	High Speed Design, Robert Bosch GmbH, Ethernovia
Taiji	Kondo	MegaChips
Thomas	Müller	Rosenberger
Tingting	Zhang	Huawei
Toshihiro	Ichimaru	Sumitomo
Yoshihiro	Niihara	Fujikura Ltd.
TOTAL	36	Attendees