Minutes IEEE P802.3cy Greater than 10 Gb/s Electrical Automotive Ethernet PHY TF AdHoc meeting October 19, 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
P802.3cy Annex 165A Proposal	Natalie Wienckowski Chris DiMinico Haysam Kadry	General Motors (MC Communications/PHY-SI LLC/ Panduit/SenTekse) Ford Motor Company
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 10:04 am ET.

Introductions & Affiliations.

Presented file: cy_Task_Force_adhoc_agenda_10_19_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 10:08 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: P802.3cy Annex 165A Proposal (Natalie Wienckowski, General Motors; Chris DiMinico, MC Communications/PHY-SI LLC/Panduit/SenTekse ; Haysam Kadry, Ford Motor Company)

Natalie showed a proposal for an informative Annex, Tx function to Rx function channel characteristics, based on 149C. The purpose of this Annex is to provide direction on ECU design to facilitate proper operation of the link.

There were questions on the minimum frequency for the limits provided. There was concerned that this may be too high. Future presentations are needed to suggest what the minimum frequency for the IL (and RL) should be.

There were also questions on the Channel return loss and does this have an impact on IL. These components are used for measuring the MDI return loss and are not intended to be included in the actual design.

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. Early registration ends on Thursday, October 21. 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!

There is a par ad hoc on October 25th. You can attend without paying a fee.

Meeting adjourned at 11:07 AM ET.

Attendees (download participant list, email)

First	Last	Affiliation
Bill	Simms	Nvidia
Chris	DiMinico	MC Communications, PHY-SI, SenTekse / Panduit
Chris	Goralka	Foxconn Interconnect Technology
Christian	Neulinger	MD Elektronik
Clark	Carty	Cisco
Curtis	Donahue	Rohde & Schwarz
Dave	Hess	Cord Data
David	Law	HPE
Emilio	Cuesta	TE Connectivity
Eric	DiBiaso	TE Connectivity

First	Last	Affiliation
Erwin	Köeppendörfer	Leoni Kabel GmbH
Fred	Dawson	Chemours
George	Zimmerman	CME Consulting / ADI, APL Group, Cisco Systems, CommScope, Marvell, SenTekSe
German	Feyh	Broadcom
Harsh	Patel	Amphenol ICC
Haysam	Kadry	Ford
Hossein	Sedarat	Ethernovia
Jae-yong	Chang	Keysight
Jim	Graba	Broadcom
John	Calvin	Keysight
Jonathan	Silvano de Sousa	GG - Austria
Kambiz	Vakilian	Broadcom
Keisuke	Kawahara	FURUKAWA ELECTRIC
Leon	Bruckman	Huawei
Luisma	Torres	KDPOF
Martin	Glanzner	SEI ANTech Europe GmbH
Marty	Gubow	Keysight
Mike	Tu	Broadcom
Natalie	Wienckowski	General Motors
Nik	Dimitrakopoulos	Rohde & Schwarz
Peter	Wu	Marvell
Ragnar	Jonsson	Marvell
Rich	Boyer	Aptiv
Ryan	Petrarca	TDK
Qiwen	Zhong	Huawei
Sami	Akin	VW
Stefan	Andrä	SEI ANTech – Europe GmbH
Steve	Carlson	High Speed Design, Robert Bosch GmbH, Ethernovia
Terry	Little	Foxconn Interconnect Technology
Thomas	Müller	Rosenberger
Tom	Souvignier	Broadcom
Yoshihiro	Niihara	Fujikura Ltd.
TOTAL	**42**	**Attendees**