

# Minutes IEEE P802.3cy Greater than 10 Gb/s Electrical Automotive Ethernet PHY TF AdHoc meeting September 16, 2020

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
Link Segment Insertion Loss Measurements	Eric DiBiaso Bert Bergner Emilio Cuesta	TE Connectivity
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 10:01 am ET.

## Introductions & Affiliations.

### Presented file: [cy Task Force adhoc agenda 200916.pdf](#)

1. Reviewed the Attendance information related to the ad hoc.
2. Displayed the Participation slide and reviewed it.
3. Displayed patent slide deck, and reviewed it.  
Call for Patents was made at 10:06 am Eastern Time, none responded
4. 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: Update Name to add affiliation, if possible. If not possible, please send an email with your affiliation.

## **Presentations/Discussion:**

### **Presentation: [Link Segment Insertion Loss Measurements](#) (Eric DiBiaso, Bert Bergner, Emilio Cuesta, TE Connectivity)**

The presenter, Eric DiBiaso, presented test data taken on 11m cables with end connectors and no in-lines. The presentation included information on the fixture IL and MDI connector loss and how it was estimated. A detailed description of the various conditions under which the cables were tested was included with test results at multiple temperatures. Suggestions for further work were included. There was a question on the 150 mm cable outside the chamber. This is part of the 11m cable which was outside the chamber for measurement. There was a question about the type of cable tested, it was STP. There is a question as to whether other cable structures are possible to raise the operating frequency of the cable. This is a question for participants employed by/affiliated with cable manufacturers.

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

The To-Do list was updated with the items that need to be done soon. 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 updated list can be found on this page: [To Do spreadsheets](#)

## **Closing Discussion**

The Chair thanked the presenters for all their effort to measure the cables and provide the test data.

Next week is the virtual interim. There will be a 802.3 WG meeting on Thursday, September 24 at 10:00 am ET. There will not be any specific TF report outs unless they have a request. There will be awards given for projects that have been completed. There will not be an P802.3cy meeting next week.

Meeting adjourned at 10:50 AM ET.

## **Attendees (from emails)**

<b>First</b>	<b>Last</b>	<b>Affiliation</b>
Ahmed	Gharba	Huawei
Bert	Bergner	TE Connectivity
Brett	McClellan	Marvell
Charles	Razzell	Maxim Integrated
Christian	Neulinger	MD Elektronik
Dave	Hess	CORD DATA

<b>First</b>	<b>Last</b>	<b>Affiliation</b>
Emilio	Cuesta	TE Connectivity
Emily	Choi	VSI
Eric	DiBiaso	TE Connectivity
Erwin	Koeppendoerfer	Leoni Kabel GmbH
George	Zimmerman	CME Consulting (ADI, Cisco, CommScope, Marvell, SenTekSe)
Harsh	Patel	Molex
Haysam	Kadry	Ford
Hiroshi	Sawano	OITDA / optoelectronics industry and technology development association
Hossein	Sedarat	Ethernovia
Jens	Freyhoff	Daikin Chemical Europe GmbH
Jesse	Jaramillo	
Kazuya	Takayama	Nitto Denko Corp.
Larry	McMillan	Western Digital
Louise	Yi	FIT
Luisma	Torres	KDPOF
Manabu	Kagami	NITech (Nagoya Institute of Technology)
Marty	Gubow	Keysight
Masato	Shiino	Furukawa
Michael	Reinhard	SEI ANTech
Michikazu	Aono	Yazaki
Mike	Gardner	mG PHYLink Consulting
Natalie	Wienckowski	General Motors
Nobuyasu	Araki	Yazaki
Peter	Wu	Marvell
Ragnar	Jonsson	Marvell
Rich	Boyer	Aptiv
Roland	Preis	MD Elektronik
Stefan	Gianordoli	GG Group
Steve	Carlson	High Speed Design, Robert Bosch GmbH, Ethernovia
Steve	Sedio	TDK
Sujan	Pandey	Huawei
Taiji	Kondo	MegaChips
Takashi	Fukuoka	Sumitomo Electric
Takeo	Masuda	OITDA/PETRA
Terry	Little	Foxconn Interconnect Technology
Yasuhiro	Hyakutake	Adamant Namiki Precision Jewel
Yoshihiro	Niihara	Fujikura Ltd.
<b>TOTAL</b>	<b>XX</b>	<b>Attendees</b>
43		

Presenters (43)

	Ahmed GHARB...	Guest				
	Bert Bergner	Guest				
	Boyer,...	- External Ne...				
	Brett McClellan...	Guest				
	Charles Razzell	Guest				
	Christian Neuli...	Guest				
	Dave Hess	Guest				
	Emilio Cuesta (...)	Guest				
	Eric DiBiasco - TE	Guest				
	Erwin Köppend...	Guest				
	George Zimme...	Guest				
	Hiroshi SAWA...	Guest				
	Hossein Sedara...	Guest				
	Jens Freyhoff (...)	Guest				
	Jesse Jaramillo...	Guest				
	Larry McMillan...	Guest				

	Louise Yi (FIT)	Guest				
	Luisma Torres (...)	Guest				
	Manabu Kaga...	Guest				
	Marty Gubow -...	Guest				
	Masato Shiino...	Guest				
	Michael Reinha...	Guest				
	Michikazu Aon...	Guest				
	Mike Gardner (...)	Guest				
	Molex, Harsh P...	Guest				
	Natalie A. Wienckowski					
	Nobuyasu Arak...	Guest				
	Peter Wu, Marv...	Guest				
	Ragnar Jonsson...	Guest				
	Roland Preis -...	Guest				
	Stefan Gianord...	Guest				
	Steve Carlson (...)	Guest				
	Steve Sedio (T...	Guest				

	Sujan Pandey (...)	Guest				
	Taiji Kondo, M...	Guest				
	Takashi Fukuok...	Guest				
	Takayama, Kaz...	Guest				
	takeo masuda	Guest				
	Terry Little (Fox...	Guest				
	VSI, Emily Choi	Guest				
	Yasuhiro Hyak...	Guest				
	Yoshihiro Niiha...	Guest				
	Yoshihiro Niiha...	Guest				