Unconfirmed Meeting Minutes: IEEE P802.3cy Greater than 10 Gb/s Electrical Automotive Ethernet Task Force

May 25, 2021
Telephonic

Prepared by Jon Lewis & Natalie Wienckowski

IEEE P802.3cy Greater than 10 Gb/s Electrical Automotive Ethernet Task Force meeting convened at 10:00 AM (US EST), Tuesday May 25, 2021 by Steve Carlson, Task Force Chair.

Attendance is listed in Appendix A

Administrative Matters

Steve Carlson displayed the agenda in https://www.ieee802.org/3/cy/public/may21/agenda_3cy_01a_0521.pdf.

The Task Force Chair noted that introductions would be skipped.

Steve Carlson reviewed the agenda in https://www.ieee802.org/3/cy/public/may21/agenda_3cy_01a_0521.pdf.
Mr. Carlson asked if there were any modifications to the agenda, none responded.

Motion #1: Move to approve the agenda as shown in https://www.ieee802.org/3/cy/public/may21/agenda_3cy_01a_0521.pdf
M: R. Boyer
S: H. Sedarat
Approved by unanimous consent (Procedural > 50%)

Motion #2: Move to approve the minutes from the 15 March, 23 March, 20 April, 27 April, and 18 May ad hoc teleconferences, and the 16 March and 30 March Interim teleconference meetings as posted.
M: N. Wienckoski
S: R. Boyer
Approved by unanimous consent (Procedural > 50%)

Mr. Carlson reviewed Task Force decorum and asked if anyone from the press was present, none responded.

Attendance, Mr. Carlson noted that the attendance for this meeting was being recorded in IMAT and provided the session code.

Mr. Carlson reviewed the Task Force organization, the goals for the meeting, access to the reflector and website, and ground rules for the meeting.

IEEE Patent Policy, at **10:12 AM**, Mr. Carlson asked if any participant had not seen the patent policy slides (agenda slides 12-16), none responded. Mr. Carlson made the call for potentially essential patents at **10:14 AM**, and none responded.

Mr. Carlson asked if anyone had not heard and needed to hear the IEEE-SA copyright policy. None responded. He showed the IEEE-SA copyright slides (agenda slides 17-19).

Mr. Carlson asked if anyone had not heard and needed to hear the IEEE-SA participation behavior policy. None responded. He showed the IEEE-SA participation behavior slide, (agenda slide 20).

Mr. Carlson asked if anyone had not heard and needed to hear the IEEE-SA participation policy on "individual process". None responded. He showed the IEEE-SA participation slides on "individual process", (agenda slides 21-22).

The Chair reviewed the IEEE 802.3 Standards process and where the Task Force was in the process and the process by which we will develop the standard.

Liaisons: None

The Chair shared the location of the Action Items for the Task Force, AKA the To – Do List, which will be reviewed and updated during the meeting.

Mr. Carlson showed the Task Force documentation (agenda slides 30-32)

Mr. Carlson reviewed Task Force virtual meetings slides from the agenda (agenda slides 33-36).

PRESENTATIONS:

Mr. Carlson then moved to the presentations for the meeting.

Title: OAM for laned systems
URL: https://grouper.ieee.org/groups/802/3/cy/public/adhoc/zimmerman_3cy_01_05_18_21.pdf
Presenters: George Zimmerman, CME Consulting, Marvell

Straw Polls relating to OAM
Straw Poll #1: Should we take the OAM straw polls during this meeting or a future meeting?
Today: 24
Future Meeting: 24

Straw Poll #2: Pair Swap: Behavior if any pair is swapped with another pair.
A: 2
B: 11
C: 20
D: 15

Straw Poll #3: Pair Swap(if C won): If there is a desire to correct for pair swap for 4-pair link.
A: 6
B: 2
C: 18
D: 20

Straw Poll #4: Per Lane or Per Link Fault Reporting: PHY Health
A: 21
B: 11
C: 10

Straw Poll #5: Per Lane or Per Link Fault Reporting: Power Supply Warning
A: 19
B: 14
C: 9

Straw Poll #6: Per Lane or Per Link Fault Reporting: Internal Temp Warning
A: 16
B: 16
C: 10

Straw Poll #7: Per Lane or Per Link Fault Reporting: Degraded Link Segment
A: 19
B: 15
C: 8

Straw Poll #8: What would you want reported in the OAM for polarity inversion?
A: 7
B: 17
C: 1
D: 2
E: 15

Straw Poll #9: REC should be?
A: 15
B: 10
C: 17

Title: P802.3cy To Do List
URL: https://ieee802.org/3/cy/todo/index.html
Presenter: Natalie Wienckowski, GM

The to-do list was reviewed and updated. Please see the latest list on our website.

It was noted that the Ad-hoc meeting on 6 July 2021 had been canceled.

Mr. Carlson reviewed the information on Future Meetings.

There was a question as to whether a decision has been made if there will continue to be 6 F2F meetings going forward or not. There has not been a decision to have less than 6 F2F (3 Plenary & 3 Interim) meetings in the future.

The January 2022 802.3 Interim will be virtual.

The Chair noted that the agenda had been completed and asked if there was any further business. None responded.

Motion to adjourn: M – Haysam Kadry S – Hossein Sedarat
Approved by unanimous consent (Procedural > 50%)

Mr. Carlson adjourned the meeting

The Meeting was adjourned at 11:30 AM US EDT on May 25, 2021

Appendix A: Attendees at the IEEE P802.3cy Greater than 10 Gb/s Electrical Automotive Ethernet Task Force, May 25, 2021.

Name	Employer	Affiliation
Andrae, Stefan	SEI ANTech-Europe GmbH	SEI ANTech-Europe GmbH
Araki, Nobuyasu	Yazaki Corporation	Yazaki Corporation
Aronson, Joseph	Texas Instruments Inc.	Texas Instruments Inc.
Boyer, Rich	Aptiv - Signal and Power Solutions	Aptiv Signal and Power Solutions
Carlson, Steven	High-Speed Design Inc.	HSD, Robert Bosch GmbH, Ethernovia
Cuesta, Emilio		TE Connectivity
Dawson, Fred	Chemours Canada Company	Chemours Canada Company
Deandrea, John	Finisar Corporation	Finisar Corporation
DiBiaso, Eric	TE Connectivity	TE Connectivity
Donahue, Curtis	Rohde & Schwarz	Rohde & Schwarz
Felgenhauer, Alexander		Yazaki Corporation
Feyh, German	Broadcom Corporation	Broadcom Corporation
Graber, Steffen	Pepperl+Fuchs SE	Pepperl+Fuchs SE
Grow, Robert	RMG Consulting	RMG Consulting, KDPOF
Gubow, Martin	Keysight Technologies	Keysight Technologies
Hartmann, Stephan	Siliconally GmbH	Siliconally GmbH
Hess, David	CORD DATA	Cord Data / Cord Data
Horrmeyer, Bernd	Phoenix Contact	Phoenix Contact
Isono, Hideki	Fujitsu Optical Components Limited	Fujitsu Optical Components Limited
Jonsson, Ragnar	Marvell Semiconductor, Inc.	Marvell
Kadry, Haysam	Ford Motor Company	Ford Motor Company
Kagami, Manabu	Nagoya Institute of Technology	Nagoya Institute of Technology (NITech)
Koeppendoerfer, Erwin	LEONI Kabel GmbH	LEONI
Kondo, Taiji	MegaChips Corporation	MegaChips Corporation
Lackner, Hans	QoSCom GmbH	QoSCom - Quality in Communications - GmbH
Lewis, Jon	Dell Technologies	Dell Technologies
Little, Terrance		Foxconn Electronics Inc.
Liu, Hai-Feng	HG Genuine	HG Genuine
Mcclellan, Brett	Marvell Semiconductor, Inc.	Marvell Semiconductor, Inc.
McMillan, Larry	Western Digital Corporation	Western Digital Corporation
mortazavi, sanaz	Volkswagen AG	Volkswagen AG
Mu, Tong		Huawei Technologies Co., Ltd
Mueller, Thomas	Rosenberger	Rosenberger
Murty, Ramana	Broadcom Inc.	Broadcom Corporation
Nariya, Makoto	Sony Semiconductor Solutions Corporation	Sony Semiconductor Solutions Corporation
Neulinger, Christian	MD Elektronik	MD Elektronik

Name	Employer	Affiliation
New, Anthony	Prysmian Cables & Systems	Prysmian Cables & Systems
NIIHARA, YOSHIHIRO	Fujikura Ltd.	Fujikura Ltd.
Pandey, Sujan	Huawei Technologies (Netherlands) B.V.	Huawei Technologies (Netherlands) B.V.
Preis, Roland	MD Elektronik GmbH	MD Elektronik GmbH
Reinhard, Michael	SEI ANTech-Europe GmbH	SEI ANTech-Europe GmbH
Renteria, Victor	Bel Fuse	Bel Fuse
Savi, Olindo	Hubbell Incorporated	Hubbell Incorporated
Sedarat, Hossein	Ethernovia	Ethernovia
Shiino, Masato	FURUKAWA ELECTRIC	FURUKAWA ELECTRIC
Souvignier, Tom	Broadcom Corporation	Broadcom Corporation
Tu, Mike	Broadcom Corporation	Broadcom Corporation
Wienckowski, Natalie	General Motors Company	General Motors Company
Wu, Peter	Marvell Semiconductor, Inc.	Marvell Semiconductor, Inc.
Xu, Yu	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
YANG, Yumeng	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Yi, Louise	Foxconn Electronics Inc.	Foxconn Electronics Inc.
Zimmerman, George	CME Consulting	CME Consulting/ADI, APL Group, CommScope, Cisco Systems, Marvell, and SenTekse