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

July 13, 2021
Telephonic plenary

Prepared by Jon Lewis & Natalie Wienckowski

IEEE P802.3cy Greater than 10 Gb/s Electrical Automotive Ethernet Task Force meeting convened at 10:01 AM (US EST), Tuesday July 13, 2021 by Steve Carlson, Task Force Chair.

Attendance is listed in Appendices A & B

Administrative Matters

Steve Carlson displayed the agenda in https://www.ieee802.org/3/cy/public/may21/agenda_3cy_01c_0721.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_01c_0721.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_01c_0721.pdf
M: M. Hajduczenia
S: G. Zimmerman
Approved by unanimous consent (Procedural > 50%)

Motion #2: Move to approve the minutes from the 1 June, 15 June, and 22 June ad hoc teleconferences, and the 25 May Interim teleconference meetings as posted.
M: N. Wienckowski
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 noted that there was no session code for this plenary meeting series.

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 **10:17 AM**, Mr. Carlson asked if any participant had not seen the patent policy slides (agenda slides 13-17), none responded. Mr. Carlson made the call for potentially essential patents at **10:18 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 18-20).

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 21).

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 22-23).

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 31-33)

Mr. Carlson reviewed Task Force virtual meetings slides from the agenda (agenda slides 34-37).

PRESENTATIONS:

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

Title: Link Segment IL Baseline Proposal
URL: https://www.ieee802.org/3/cy/public/jul21/diminico_kadry_3cy_01_06_22_21.pdf
Presenters: Chris DiMinico, MC Communications

Title: Return Loss Limit Proposal
URL: https://www.ieee802.org/3/cy/public/jul21/CuestaDiBiasoMuller_3cy_01_06_22_21.pdf
Presenters: Emilio Cuesta, TE Connectivity; Thomas Mueller, Rosenberger

Motion #3: **Move to adopt the link segment insertion loss limit, page 5 of diminico_kadry_3cy_01_06_22_21.pdf.**
M: E. DiBiaso
S: T. Mueller
Y: 28 N: 0 A: 7
Motion Passes (Technical >= 75%)

Motion #4: **Move to adopt the return loss link segment limit defined in CuestaDiBiasoMüller_3cy_01_06_22_21.pdf, page 12.**
M: E. Cuesta
S: T. Mueller
Y: 31 N: 0 A: 9
Motion Passes (Technical >= 75%)

Mr. Carlson reviewed the information on Future Meetings.

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 27 July 2021 had been canceled.

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.

The meeting was recessed at 11:15 AM US EDT and will resume July 20, 2021 at 10:00 AM US EDT.

The meeting resumed at 9:04 AM US EDT on July 20, 2021 by Steve Carlson, Task Force Chair.

Steve Carlson displayed the agenda in https://www.ieee802.org/3/cy/public/may21/agenda_3cy_01c_0721.pdf.

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

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

Attendance, Mr. Carlson noted that the attendance for this meeting was being recorded in IMAT and noted that there was no session code for this plenary meeting series.

IEEE Patent Policy, at **10:12 AM**, Mr. Carlson asked if any participant had not seen the patent policy slides (agenda slides 13-17), none responded. Mr. Carlson made the call for potentially essential patents at **10:13 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 18-20).

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 21).

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 22-23).

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 31-33)

Mr. Carlson reviewed Task Force virtual meetings slides from the agenda (agenda slides 34-37).

PRESENTATIONS:

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

Title: Additional Limits on Echo
URL: https://www.ieee802.org/3/cy/public/jul21/sedarat_3cy_01_0721.pdf
Presenters: Hossein Sedarat, Ethernovia

Title: P802.3cy To Do List

URL: https://ieee802.org/3/cy/todo/index.html
Presenter: Natalie Wienckowski, GM

Mr. Carlson noted that the agenda had been exhausted and adjourned the meeting

The Meeting was adjourned at 11:26 AM US EDT on July 20, 2021

Appendix A: Attendees at the IEEE P802.3cy Greater than 10 Gb/s Electrical Automotive Ethernet Task Force, July 13, 2021.

Name	Employer	Affiliation
Akin, Sami		Volkswagen Ag
Andrae, Stefan	SEI ANTech-Europe GmbH	SEI ANTech-Europe GmbH
Aono, Michikazu	Yazaki Corporation	Yazaki Corporation
Araki, Nobuyasu	Yazaki Corporation	Yazaki Corporation
Barbero, Fernando	Knowledge Development for POF SL	Knowledge Development for POF SL
bordogna, mark	Intel Corporation	Intel Corporation
Boyer, Rich	Aptiv - Signal and Power Solutions	Aptiv Signal and Power Solutions
Brillhart, Theodore	Fluke Corporation	Fluke Corporation
Brychta, Michal	Analog Devices Inc.	Analog Devices Inc.
Carlson, Steven	High-Speed Design Inc.	HSD, Robert Bosch GmbH, Ethernovia
Carty, Clark	Cisco Systems, Inc.	Cisco Systems, Inc.
Cuesta, Emilio	TE Connectivity	TE Connectivity
DeSanti, Claudio	Dell	Dell
DiBiaso, Eric	TE Connectivity	TE Connectivity
Diminico, Christopher	M C Communications, LLC	Panduit Corp.
Donahue, Curtis	Rohde & Schwarz	Rohde & Schwarz
Dube, Kathryn	UNH-IOL	UNH-IOL
Eyal, Massad	Valens Semiconductor	Valens Semiconductor
Feyh, German	Broadcom Corporation	Broadcom Corporation
Glanzner, Martin		SEI Automotive Europe GmbH
Goto, Hideki	Toyota Motor Corporation	Toyota Motor Corporation
Graba, James	Broadcom Corporation	Broadcom Corporation
Grow, Robert	RMG Consulting	RMG Consulting, KDPOF
Gubow, Martin	Keysight Technologies	Keysight Technologies
Hajduczenia, Marek	Charter Communications	Charter Communications
Hess, David	CORD DATA	Cord Data / Cord Data
HIRASE, HIDENARI		AGC.Inc
Horrmeyer, Bernd	Phoenix Contact	Phoenix Contact
Ichimaru, Toshihiro		Sumitomo Electric Industries, LTD
Jones, Peter	Cisco Systems, Inc.	Cisco Systems, Inc.
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)
Kikuta, Tomohiro	Adamant Namiki Precision Jewel Co., Ltd.	Adamant Namiki Precision Jewel Co., Ltd.
Kinningham, Alan	I-PEX CONNECTORS	I-PEX (division of Dai-Ichi Seiko)
Kobayashi, Shigeru	AIO Core	AIO Core

Name	Employer	Affiliation
Kocsis, Sam	Amphenol Corporation	Amphenol Corporation
Kondo, Taiji	MegaChips Corporation	MegaChips Corporation
Laubach, Mark	IEEE member / Self Employed	IEEE member / Self Employed
Lewis, Jon	Dell Technologies	Dell Technologies
Little, Terrance		Foxconn Electronics Inc.
Luo, Yuanqiu	Futurewei Technologies	Futurewei Technologies
Madgar, Zahy	Valens Semiconductor	Valens Semiconductor
Mark, Simon		Wurth Electronik Group
Matheus, Kirsten	BMW Group	BMW Group
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
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.
Patel, Harsh	Molex LLC	Molex LLC
Peteranderl, Ralf	Rosenberger	Rosenberger
Reinhard, Michael	SEI ANTech-Europe GmbH	SEI ANTech-Europe GmbH
Rettig, Thomas	Beckhoff Automation	Beckhoff Automation
SAWANO, Hiroshi	OITDA (Optoelectronics Industry and Technology Development Association)	OITDA
Sedarat, Hossein	Ethernovia	Ethernovia
Shiino, Masato	FURUKAWA ELECTRIC	FURUKAWA ELECTRIC
Souvignier, Tom	Broadcom Corporation	Broadcom Corporation
Torres, Luis	Knowledge Development for Plastic Optical Fiber	Knowledge Development for Plastic Optical Fiber
Tremblay, David	Hewlett Packard Enterprise	Hewlett Packard Enterprise
Tsujita, Yuichi		Nitto, Inc.; New Business Development Division
Tu, Mike	Broadcom Corporation	Broadcom Corporation
Vakilian, Kambiz	Broadcom Corporation	Broadcom Corporation
Wendt, Matthias	Signify (Philips Lighting)	Signify
Wienckowski, Natalie	General Motors Company	General Motors Company
Withey, James	Fluke Corporation	Fluke Corporation
Wu, Peter	Marvell Semiconductor, Inc.	Marvell Semiconductor, Inc.
Zimmerman, George	CME Consulting	CME Consulting/ADI, APL Group, CommScope, Cisco Systems, Marvell, and SenTekse

Name	Employer	Affiliation
Zou, Congshi	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd

Appendix B: Attendees at the IEEE P802.3cy Greater than 10 Gb/s Electrical Automotive Ethernet Task Force, July 20, 2021.

Name	Employer	Affiliation
Akin, Sami		Volkswagen Ag
Andrae, Stefan	SEI ANTech-Europe GmbH	SEI ANTech-Europe GmbH
Aono, Michikazu	Yazaki Corporation	Yazaki Corporation
Araki, Nobuyasu	Yazaki Corporation	Yazaki Corporation
Borda, jamila josip	BMW Group	BMW Group
Boyer, Rich	Aptiv - Signal and Power Solutions	Aptiv Signal and Power Solutions
Carlson, Steven	High-Speed Design Inc.	HSD, Robert Bosch GmbH, Ethernovia
Carty, Clark	Cisco Systems, Inc.	Cisco Systems, Inc.
Cuesta, Emilio	TE Connectivity	TE Connectivity
DiBiaso, Eric	TE Connectivity	TE Connectivity
Diminico, Christopher	M C Communications, LLC	Panduit Corp.
Dinh, Thuyen	Pulse Electronics	Pulse Electronics
Donahue, Curtis	Rohde & Schwarz	Rohde & Schwarz
Dube, Kathryn	UNH-IOL	UNH-IOL
Eyal, Massad	Valens Semiconductor	Valens Semiconductor
Feyh, German	Broadcom Corporation	Broadcom Corporation
Glanzner, Martin		SEI Automotive Europe GmbH
Goto, Hideki	Toyota Motor Corporation	Toyota Motor Corporation
Graba, James	Broadcom Corporation	Broadcom Corporation
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
Ichimaru, Toshihiro		Sumitomo Electric Industries, LTD
Jonsson, Ragnar	Marvell Semiconductor, Inc.	Marvell
Kagami, Manabu	Nagoya Institute of Technology	Nagoya Institute of Technology (NITech)
Kikuta, Tomohiro	Adamant Namiki Precision Jewel Co., Ltd.	Adamant Namiki Precision Jewel Co., Ltd.
Kobayashi, Shigeru	AIO Core	AIO Core
Koeppendoerfer, Erwin	LEONI Kabel GmbH	LEONI
Kondo, Taiji	MegaChips Corporation	MegaChips Corporation
Laubach, Mark	IEEE member / Self Employed	IEEE member / Self Employed
Lewis, Jon	Dell Technologies	Dell Technologies
Little, Terrance		Foxconn Electronics Inc.
Luo, Yuanqiu	Futurewei Technologies	Futurewei Technologies
Madgar, Zahy	Valens Semiconductor	Valens Semiconductor

Name	Employer	Affiliation
Mcclellan, Brett	Marvell Semiconductor, Inc.	Marvell Semiconductor, Inc.
mortazavi, sanaz	Volkswagen AG	Volkswagen AG
Mueller, Thomas	Rosenberger	Rosenberger
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.
Patel, Harsh	Molex LLC	Molex LLC
Reinhard, Michael	SEI ANTech-Europe GmbH	SEI ANTech-Europe GmbH
Sedarat, Hossein	Ethernovia	Ethernovia
Shiino, Masato	FURUKAWA ELECTRIC	FURUKAWA ELECTRIC
Souvignier, Tom	Broadcom Corporation	Broadcom Corporation
Takahashi, Satoshi	Self Employed	Self Employed
Tremblay, David	Hewlett Packard Enterprise	Hewlett Packard Enterprise
Tsujita, Yuichi		Nitto, Inc.; New Business Development Division
Tu, Mike	Broadcom Corporation	Broadcom Corporation
Wienckowski, Natalie	General Motors Company	General Motors Company
Wu, Peter	Marvell Semiconductor, Inc.	Marvell Semiconductor, Inc.
YANG, Yumeng	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Zhong, Qiwen	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Zimmerman, George	CME Consulting	CME Consulting/ADI, APL Group, CommScope, Cisco Systems, Marvell, and SenTekse
Zivny, Pavel	Tektronix, Inc.	Tektronix, Inc.
Zou, Congshi	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd