

Unconfirmed Meeting Minutes: IEEE P802.3cy Greater than 10 Gb/s Electrical  
Automotive Ethernet Task Force  
March 8, 2022  
Telephonic

Prepared by Jon Lewis

IEEE P802.3cy Greater than 10 Gb/s Electrical Automotive Ethernet Task Force meeting convened at 10:00 AM (US EST), Tuesday March 8, 2022 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/mar22/agenda\\_3cy\\_01b\\_0322.pdf](https://www.ieee802.org/3/cy/public/mar22/agenda_3cy_01b_0322.pdf).

The Task Force Chair noted that introductions would be skipped.

Steve Carlson reviewed the agenda in  
[https://www.ieee802.org/3/cy/public/mar22/agenda\\_3cy\\_01b\\_0322.pdf](https://www.ieee802.org/3/cy/public/mar22/agenda_3cy_01b_0322.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/mar22/agenda\\_3cy\\_01b\\_0322.pdf](https://www.ieee802.org/3/cy/public/mar22/agenda_3cy_01b_0322.pdf)**

**M: Marek Hajduczenia**

**S: George Zimmerman**

**Motion Passed by unanimous consent (Procedural > 50%)**

**Motion #2: Move to approve the minutes from the 22 February ad hoc teleconference and the 11 & 18 January Interim teleconference meetings as posted.**

**M: N. Wienckowski**

**S: Hossein Sedarat**

**Motion Passed by unanimous consent**

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.

Mr. Carlson reviewed the instructions for Direct Vote Live and noted that the URL was the same for each meeting.

**IEEE Patent Policy**, at **10:18 AM**, Mr. Carlson asked if any participant had not seen the patent policy slides (agenda slides 16-20), none responded. Mr. Carlson made the call for potentially essential patents at **10:20 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 21-23).

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 24).

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 25-26).

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. (agenda slide 33)

Mr. Carlson showed the Task Force documentation (agenda slides 34-36)

Mr. Carlson showed the Task Force virtual meetings slides from the agenda and suggested that participants review if they needed a refresher (agenda slides 37-39).

*PRESENTATIONS:*

Mr. Carlson noted that this meeting was focused on comment resolution and technical presentations would be during next week’s meeting.

Comment resolution commenced:

**Motion #3: Move to accept all proposed “bucket” resolutions.**

**M: N. Wienckowski**

**S: Marek Hajduczenia**

**Motion Passed by unanimous consent**

Comment resolution concluded

**Motion #4 Move to instruct the Editor to create D1.0 for Task Force review from D0.5, closed comments, and adopted baselines from the March plenary meeting series, with editorial license to implement.**

**M: Natalie Wienckowski**

**S: Marek Hajduczenia**

**Technical >= 75%**

**Motion Passes by unanimous consent**

**Title: 802.3cy PMA Training Frame**

URL: [https://www.ieee802.org/3/cy/public/mar22/tu\\_3cy\\_02\\_03\\_08\\_2022.pdf](https://www.ieee802.org/3/cy/public/mar22/tu_3cy_02_03_08_2022.pdf)

Presenters: Mike Tu, Broadcom

**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 the website.

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

**The meeting was recessed at 11:27 AM US EST and will resume March 15, 2022 at 10:00 AM US EDT.**

**The meeting resumed at 10:01 AM US EDT on March 15, 2022 by Steve Carlson, Task Force Chair.**

Steve Carlson displayed the agenda in

[https://www.ieee802.org/3/cy/public/mar22/agenda\\_3cy\\_01b\\_0322.pdf](https://www.ieee802.org/3/cy/public/mar22/agenda_3cy_01b_0322.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 through the teleconference tool and gave the session code for this interim meeting.

**IEEE Patent Policy**, at **10:09 AM**, Mr. Carlson asked if any participant had not seen the patent policy slides (agenda slides 16-20), none responded. Mr. Carlson made the call for potentially essential patents at **10:10 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 21-23).

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 24).

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 25-26).

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. (agenda slide 33)

Mr. Carlson showed the Task Force documentation (agenda slides 34-36)

Mr. Carlson showed the Task Force virtual meetings slides from the agenda and suggested that participants review if they needed a refresher (agenda slides 37-39).

*PRESENTATIONS:*

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

**Title: Laning approach for 802.3cy**

URL: [https://www.ieee802.org/3/cy/public/mar22/zimmerman\\_3cy\\_01b\\_03\\_15\\_2022.pdf](https://www.ieee802.org/3/cy/public/mar22/zimmerman_3cy_01b_03_15_2022.pdf)

Presenter: George Zimmerman, CME Consulting

**Title: Micro Reflections: Limit on ETM**

URL: [https://www.ieee802.org/3/cy/public/mar22/sedarat\\_3cy\\_01\\_0315.pdf](https://www.ieee802.org/3/cy/public/mar22/sedarat_3cy_01_0315.pdf)

Presenter: Hossein Sedarat, Ethernovia

Straw Poll: I support the proposed new ETM calculation algorithm with parameters (like N\_Discard) and the limit line left as TBD.

Yes: 8

No: 1

Need more time to study the proposal: 17

**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 12:11 PM US EST on March 15, 2022**

*Appendix A: Attendees at the IEEE P802.3cy Greater than 10 Gb/s Electrical Automotive Ethernet Task Force, March 8, 2022.*

<b>Name</b>	<b>Employer</b>	<b>Affiliation</b>
Akin, Sami	Volkswagen AG	Volkswagen Ag
Araki, Nobuyasu	Yazaki Corporation	Yazaki Corporation
Beaudoin, Denis	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
Carty, Clark	Cisco Systems, Inc.	Cisco Systems, Inc.
Chang, Jae-yong		Keysight Technologies
Cuesta, Emilio	TE Connectivity	TE Connectivity
Donahue, Curtis	Rohde & Schwarz	Rohde & Schwarz
Feyh, German	Broadcom Corporation	Broadcom Corporation
Fischer, Peter	BKS Kabel-Service AG	BKS Kabel-Service AG
GHARBA, Ahmed		Volvo Cars
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
Ichimaru, Toshihiro		Sumitomo Electric Industries, LTD
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)
KAWAHARA, KEISUKE	FURUKAWA ELECTRIC	FURUKAWA ELECTRIC
Koeppendoerfer, Erwin	LEONI Kabel GmbH	LEONI
Lennartsson, Kent	Kvaser AB	Kvaser AB
Lewis, Jon	Dell Technologies	Dell Technologies
Little, Terrance	Foxconn Electronics Inc.	Foxconn Electronics Inc.
McClellan, Brett	Marvell Semiconductor, Inc.	Marvell Semiconductor, Inc.
Mueller, Thomas	Rosenberger	Rosenberger
Neulinger, Christian	MD Elektronik	MD Elektronik
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	Amphenol ICC	Amphenol Corporation
peng, semmy		Huawei Technologies Co., Ltd
Reinhard, Michael	SEI ANTech-Europe GmbH	SEI ANTech-Europe GmbH
Sedarat, Hossein	Ethernovia	Ethernovia
Shiino, Masato	FURUKAWA ELECTRIC	FURUKAWA ELECTRIC
sisk, jason	University of New Hampshire InterOperability Laboratory (UNH-IOL)	University of New Hampshire InterOperability Laboratory (UNH-IOL)

Souvignier, Tom	Broadcom Corporation	Broadcom Corporation
TAZEBAY, MEHMET	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.
Yamada, Osamu		Yazaki Corporation
Zhang, Tingting		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

*Appendix B: Attendees at the IEEE P802.3cy Greater than 10 Gb/s Electrical Automotive Ethernet Task Force, March 15, 2022.*

<b>Name</b>	<b>Employer</b>	<b>Affiliation</b>
Akin, Sami	Volkswagen AG	Volkswagen Ag
Araki, Nobuyasu	Yazaki Corporation	Yazaki Corporation
Beaudoin, Denis	Texas Instruments Inc.	Texas Instruments Inc.
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.
Chang, Jae-yong		Keysight Technologies
Cuesta, Emilio	TE Connectivity	TE Connectivity
DeSanti, Claudio	Dell	Dell
Dittmann, Markus	KDPOF	KDPOF
Donahue, Curtis	Rohde & Schwarz	Rohde & Schwarz
Feyh, German	Broadcom Corporation	Broadcom Corporation
Fischer, Peter	BKS Kabel-Service AG	BKS Kabel-Service AG
GHARBA, Ahmed		Volvo Cars
Glanzner, Martin	SEI ANTech-Europe GmbH	SEI Automotive Europe GmbH
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
Harshbarger, Douglas		Corning Incorporated
Hess, David	CORD DATA	Cord Data / Cord Data
Hyakudai, Toshihisa		Sony Corporation
HYAKUTAKE, YASUHIRO	Adamant Namiki Precision Jewel Co., Ltd.	Adamant Namiki Precision Jewel Co., Ltd.
Ichimaru, Toshihiro		Sumitomo Electric Industries, LTD
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)
KAWAHARA, KEISUKE	FURUKAWA ELECTRIC	FURUKAWA ELECTRIC
Kikuta, Tomohiro	Adamant Namiki Precision Jewel Co., Ltd.	Adamant Namiki Precision Jewel Co., Ltd.
Koependoerfer, Erwin	LEONI Kabel GmbH	LEONI
Lewis, Jon	Dell Technologies	Dell Technologies
Mark, Simon		Würth Elektronik Group
Martino, Kjersti	Inneos	Inneos
Mcclellan, Brett	Marvell Semiconductor, Inc.	Marvell Semiconductor, Inc.
mortazavi, sanaz	Volkswagen AG	Volkswagen AG
Mueller, Thomas	Rosenberger	Rosenberger
Nakagawa, Hideki	AGC Inc.	AGC Inc.



Neulinger, Christian	MD Elektronik	MD Elektronik
NIIHARA, YOSHIHIRO	Fujikura Ltd.	Fujikura Ltd.
Pandey, Sujan	Huawei Technologies (Netherlands) B.V.	Huawei Technologies (Netherlands) B.V.
Patel, Harsh	Amphenol ICC	Amphenol Corporation
Reinhard, Michael	SEI ANTech-Europe GmbH	SEI ANTech-Europe GmbH
Schreiner, Stephan	Rosenberger Hochfrequenztechnik GmbH & Co. KG	Rosenberger
Sedarat, Hossein	Ethernovia	Ethernovia
Shiino, Masato	FURUKAWA ELECTRIC	FURUKAWA ELECTRIC
sisk, jason	University of New Hampshire InterOperability Laboratory (UNH-IOL)	University of New Hampshire InterOperability Laboratory (UNH-IOL)
Souvignier, Tom	Broadcom Corporation	Broadcom Corporation
Takahashi, Tadashi	Nitto Denko Corporation	Nitto Denko Corporation
TAZEBAY, MEHMET	Broadcom Corporation	Broadcom Corporation
Torres, Luis	Knowledge Development for Plastic Optical Fiber	Knowledge Development for Plastic Optical Fiber
Tu, Mike	Broadcom Corporation	Broadcom Corporation
Vanderlaan, Paul	UL LLC	UL LLC
Wienckowski, Natalie	General Motors Company	General Motors Company
Wu, Peter	Marvell Semiconductor, Inc.	Marvell Semiconductor, Inc.
Xu, Dayin	Rockwell Automation	Rockwell Automation
Yamada, Osamu		Yazaki Corporation
Zhang, Sen		Huawei Technologies Co., Ltd
Zhang, Tingting		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