

Unconfirmed Meeting Minutes: Joint IEEE P802.3ch Multi-Gigabit Automotive Ethernet PHY
Task Force and IEEE Greater than 10 Gb/s Automotive
Ethernet Electrical PHYs Study Group
January 21-22, 2020
Geneva, CH

Prepared by Jon Lewis

IEEE P802.3ch Multi-Gigabit Automotive Ethernet PHY Task Force and IEEE Greater than 10 Gb/s Automotive Ethernet Electrical PHYs Study Group meeting convened at 9:00 AM, Tuesday, January 21, 2020 by Steve Carlson, Task Force Chair P802.3ch.

Attendance is listed in Appendix A

Administrative Matters

Mr. Carlson displayed the agenda in [agenda 3ch 01 0120.pdf](#).

The Chair called for the participants to introduce themselves.

Mr. Carlson noted that there should be no recording or photography.

Mr. Carlson asked if anyone was attending from the press including those who would run a public blog on this meeting. None responded.

Motion #1: Move to approve the agenda as shown in [agenda 3ch 01 0120.pdf](#)

M: Natalie Wienckowski S: Thomas Hogenmüller
Approved by voice without opposition (Procedural > 50%)
Motion Passes

Motion #2: Move to approve the minutes of the November 2019 P802.3ch Task Force meetings.

M: Chris Mash S: Clark Carty
Approved by voice without opposition (Procedural > 50%)
Motion Passes

The Task Force Chair reviewed the goals for the meeting, big ticket items, access to the reflector and website, and ground rules for the meeting.

Attendance, Mr. Carlson advised the group of the IEEE meeting attendance tool and procedures, including both the attendance book and the web attendance tracking tool.

The Chair reviewed the IEEE structure for standards development and the bylaws by which the Task Force is governed.

IEEE Patent Policy, at **9:23 AM**, Mr. Carlson showed the patent slides and proceeded to read aloud slides 1 and 2. Mr. Carlson made the call for potentially essential patents at **9:25 AM**, and none responded. Mr. Carlson then read aloud slides 3 and 4.

Mr. Carlson showed and read aloud the IEEE-SA copyright slides. Mr. Carlson showed slides 18-20 and proceeded to read the slides aloud. Mr. Carlson asked if there was any discussion on the slide, none responded.

Mr. Carlson showed and read aloud the IEEE-SA participation slide on pages 21-23. Mr. Carlson asked if there was any discussion on the slides, none responded.

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.

The Chair then showed the locations of the approved project documents for the Task Force and reviewed the objectives for the Task Force.

Liaisons:

None

PRESENTATIONS:

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

Title: Ad Hoc Report ([zimmerman 3ch 01a 0120.pdf](#))

Presenter: George Zimmerman, CME consulting

Motion #3: Move to confirm posted ad hoc minutes from 11 Dec 2019 and 8 January 2020, most current version as of 21 January 2020.

M: George Zimmerman S: Natalie Wienckowski

Approved by voice without opposition (Procedural > 50%)

Motion Passes

Motion #4: Move to update previously approved ad hoc minutes from September 18, 2019 to include Gerrit denBesten in attendees.

M: George Zimmerman S: Thomas Müller

Approved by voice without opposition (Procedural > 50%)

Motion Passes

Mr. Zimmerman noted that the next ad hoc meeting would be held as necessary and announced on the reflector.

Title: Opening Editor's Report – P802.3ch Draft 3.0

([wienckowski 3ch 01a 0120.pdf](#))

Presenter: Natalie Wienckowski, General Motors

Motion #5: Move to include 5 comments (#i-92 to #i-96) submitted after P802.3ch draft 3.0 ballot close on December 20, 2019 23:59 ET, included in P8023ch_D3p0_comments_late_v3_proposed_responses.pdf.

M: Natalie Wienckowski **S:** George Zimmerman

(Technical >= 75%)

Approved by voice without opposition

Motion Passes

Motion #6: Move to accept all proposed “EZ bucket” resolutions sorted by clause/subclause, excluding none.

M: Natalie Wienckowski **S:** Chris Mash

(Technical >= 75%)

Approved by voice without opposition

Motion Passes

The Chief Editor completed the report and moved directly into comment resolution.

The group took a short break at 10:29 AM.

The group resumed at 11:00 AM.

Comment Resolution continued.

The group recessed for lunch at 12:28 PM.

The group resumed at 2:00 PM.

The Chair brought the meeting to order and noted that 2 late comments were being prepared. Mr. Carlson then moved to other business while the comments were prepared.

Future Meetings Straw Polls:

Attend March 2020 802 Atlanta, GA USA plenary:

Y: 17 N: 7 M: 10

Attend May 2020 802.3 interim, Pasadena, CA USA:

Y: 12 N: 8 M: 11

Motion #7: Move to accept 2 late comments from Natalie Wienckowski (#i-97 and #i-98).

M: Natalie Wienckowski **S:** George Zimmerman

(Technical >= 75%)

Approved by voice without opposition

Motion Passes

Comment resolution concluded.

The Chair noted that we would resume the meeting Wednesday at 9:00 AM.

The meeting was recessed for the day at 3:30 PM.

The meeting was called to order at 9:05 AM.

The Chair noted that during implementation of the comments the Chief Editor found comments that needed to be opened.

Comment resolution commenced.

Comment resolution concluded.

Title: Closing Editor's Report – P802.3ch Draft 3.0

([wienckowski 3ch 02 0120.pdf](#))

Presenter: Natalie Wienckowski, General Motors

Motion #8: Move to instruct the Chief Editor to create D3.1 from D3.0 and closed comments, with editorial license to update PICS as needed.

M: Natalie Wienckowski S: Chris Mash

(Technical >= 75%)

Y: 50 N: 0 A: 2

Motion Passes

The Chief Editor then reviewed the timeline for the D3.1 ballot cycle.

The Chair noted that we had exhausted the agenda and asked for additional business, none responded. The Chair then announced that the IEEE Greater than 10 Gb/s Automotive Ethernet Electrical PHYs Study Group would start in the afternoon at 1:30 PM in Tower A.

Motion #9 Move to adjourn.

M: Clark Carty S: Chris Mash

Approved by voice without opposition (Procedural > 50%)

The Task Force meeting was adjourned at 10:12AM.

Unconfirmed Meeting Minutes: Joint IEEE P802.3ch Multi-Gigabit Automotive Ethernet PHY
Task Force and IEEE Greater than 10 Gb/s Automotive
Ethernet Electrical PHYs Study Group
January 22-24, 2020
Geneva, CH

Prepared by Jon Lewis

IEEE Greater than 10 Gb/s Automotive Ethernet Electrical PHYs Study Group meeting
convened at 1:30 PM, Wednesday, January 22, 2020 by Steve Carlson, Task Force Chair.

Attendance is listed in Appendix A

Administrative Matters

Mr. Carlson displayed the agenda in [agenda_B10GAUTO_1_0120.pdf](#).

The Chair called for the participants to introduce themselves.

**Motion #1: Move to approve the agenda as shown in
[agenda_B10GAUTO_1_0120.pdf](#)**

M: Chris Mash S: Natalie Wienckowski
Approved by voice without opposition (Procedural > 50%)
Motion Passes

**Motion #2: Move to approve the minutes of the November 2019 Beyond 10G
Automotive Study Group meetings.**

M: Marty Gubow S: Natalie Wienckowski
Approved by voice without opposition (Procedural > 50%)
Motion Passes

Mr. Carlson noted that there should be no recording or photography.

Mr. Carlson asked if anyone was attending from the press including those who would run a public blog on this meeting. None responded.

The Task Force Chair reviewed the goals for the meeting, big ticket items, access to the reflector and website, and ground rules for the meeting.

Attendance, Mr. Carlson advised the group of the IEEE meeting attendance tool and procedures, including both the attendance book and the web attendance tracking tool.

The Chair reviewed the IEEE structure for standards development and the bylaws by which the Task Force is governed.

IEEE Patent Policy, at **1:53 PM**, Mr. Carlson showed and read aloud the pre-PAR patent slides.

Mr. Carlson showed and read aloud the IEEE-SA copyright slides. Mr. Carlson asked if there was any discussion on the slide, none responded.

Mr. Carlson showed and read aloud the IEEE-SA participation slide on pages 21-23. Mr. Carlson asked if there was any discussion on the slides, none responded.

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

Liaisons:

None

PRESENTATIONS:

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

Title: B10G 100 Gb/S Use Cases ([kadry 3B10GAUTO 01 0120.pdf](#))

Presenter: Haysem M. Kadry, Ford Motor Company

Title: Ad Hoc Report ([sedarat 3B10G 01 0120.pdf](#))

Presenter: Hossein Sedarat, Ethernovia

The Group took a short break at 3:01 PM.

The Group resumed at 3:20 PM.

The Chair noted that the CSD responses and Objectives were approved at the November 2019 meeting. The Chair then moved to review minor changes to the PAR responses.

Motion #3: Move to approve the Draft PAR as posted in

[B10GGAUTO PAR DRAFT 04 0120.pdf](#) and [PAR8.1.pptx](#).

M: George Zimmerman S: Ramin Sharani

Y: 35 N: 0 A: 2

(Technical >= 75%)

Motion Passes

Mr. Carlson reviewed the future meeting plans

Future Meetings Straw Polls:

Attend March 2020 802 Atlanta, GA USA plenary:

Y: 22 N: 6 M: 13

Attend May 2020 802.3 interim, Pasadena, CA USA:

Y: 20 N: 2 M: 21

The Chair then reviewed the next steps for the Study Group.

The Chair asked if there was additional business for the Study Group, none responded.

Motion #4: Move to adjourn.

M: Chris Mash S: Haysem Kadry

Approved by voice without opposition (Procedural > 50%)

The Task Force meeting was adjourned at 3:40 PM.

Appendix A: Attendees at the Joint IEEE P802.3ch Multi-Gigabit Automotive Ethernet PHY Task Force and IEEE Greater than 10 Gb/s Automotive Ethernet Electrical PHYs Study Group, January 21-24, 2020.

IEEE 802.3 P802.3ch Multi-Gig Automotive Ethernet PHY Task Force IEEE 802.3 January 2020				Day 1 21 Jan	Day 2 22 Jan
By choosing to attend and sign in to this meeting, you acknowledge and agree that your personal data will be documented for IEEE standards development purposes to comply with policies and procedures, legal and accreditation requirements, and evaluation of patent claims by patent offices. See Front Page for additional information.					
Last Name	First Name	Employer	Other Affiliations	Tues	Wed
A	Shaziah	GM	GM	X	X
Abedy	Yossuf	Pulse Electronics	Pulse Electronics	X	X
Abedy	Yossuf	Pulse Electronics	Pulse Electronics	X	X
Araki	Nobuyasu	Yazaki	Yazaki	X	X
Bergner	Bert	TE Connectivity	TE Connectivity	X	X
Carlson	Steve	High Speed Design	Robert Bosch, Marvell	X	X
Carty	Clark	Cisco	Cisco	X	X
Chalupsky	David	Intel	Intel	X	X
De Geest	Jan	Amphenol	Amphenol	X	X
Dijoux	Laetitia	Robert Bosch	Robert Bosch	X	
Eitel	Corndi	Hirschmann A&C GmBH	Hirschmann A&C GmBH	X	X
Fritsche	Matthias	Harting	Harting	X	X
Fukuoka	Takashi	Auto Networks Tech	Sumitomo Electric	X	X
Ghabba	Ahmed	Huawei	Huawei	X	X
Gianordoli	Stefan	GG - Group	GG - Group	X	X
Graber	Steffen	Pepperl+Fuchs	Pepperl+Fuchs	X	
Grau	Olaf	Robert Bosch	Robert Bosch	X	X
Grow	Robert	RMG Consulting	RMG Consulting/KDPOF		X
Gubow	Martin	Keysight Technologies	Keysight Technologies	X	X

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Last Name	First Name	Employer	Other Affiliations	Tues	Wed
Haasz	Jodi	IEEE-SA	IEEE-SA	X	X
Hartman	Stehpan	Siliconally	Siliconally		X
Hirase	Hidenari	AGC	AGC	X	X
Hogenmüller	Thomas	Robert Bosch	Robert Bosch	X	
Hyakutake	Yasuhiro	Adamant Namiki Precision Jewel	Adamant Namiki Precision Jewel	X	X
Jones	Peter	Cisco	Cisco	X	
Jonsson	Ragner	Marvell	Marvell	X	X
Kadry	Haysam	Ford Motor Company	Ford Motor Company	X	X
Kagami	Manabu	NITech	NITech	X	X
Koeppendoerle	Erwin	Leoni Kabel GmbH	Leoni Kabel GmbH	X	X
Kondo	Taiji	Megachips	Megachips	X	X
Koppermüller	Daniel	MD Elektronik GmbH	MD Elektronik GmbH	X	X
Lackner	Hans	QoSCom GmbH	QoSCom GmbH	X	X
Law	David	Hewlett Packard Enterprise	Hewlett Packard Enterprise	X	
Lewis	Jon	Dell EMC	Dell EMC	X	X
Mash	Chris	Ethernovia	Ethernovia	X	X
Masuda	Takeo	OITDA	OITDA		X
Matheus	Kirsten	BMW	BMW	X	X
McMillan	Larry	Western Digital	Western Digital	X	X
Mortazavi	Sanaz	Volkswagon	Volkswagon	X	X
Müller	Thomas	Rosenberger	Rosenberger	X	X

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Last Name	First Name	Employer	Other Affiliations	Tues	Wed
Neulinger	Christian	MD Elektronik	MD Elektronik	X	X
Ogura	Ichiro	Petra	Petra		X
Ohni	Josef	MD Elektronik	MD Elektronik	X	X
Orgis	Mario	Siliconally	Siliconally		X
Ota	Naoto	AGC	AGC	X	X
Perez Aranda	Ruben	KDPOF	KDPOF		X
Potts	Mike	General Motors	General Motors		X
Preis	Roland	MD Elektronik GmbH	MD Elektronik GmbH	X	X
Rodenkirchen	Robert	YAZAKI Europe Ltd	YAZAKI	X	X
Ruibo	Han	CMCC	CMCC	X	
Sederat	Hosseini	Ethernovia	Ethernovia	X	X
Shariff	Masood	Commscope	Commscope	X	X
Shiino	Masato	Furukawa Electric	Furukawa Electric	X	X
Shirani	Ramin	Ethernovia	Ethernovia	X	X
Takayama	Kazuya	Nitto Denko Corporation	Nitto Denko Corporation	X	X
Thompson	Geoff	GraCaSI SA.	Independent	X	X
Triess	Richard	ETAS	ETAS	X	X
Turner	Max	Ethernovia	Ethernovia	X	
Vanderlaan	Paul	UL LLC	UL LLC		X
Wang	Min	Waymo	Waymo		X
Wang	Xuehuan	Huawei	Huawei	X	X

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Last Name	First Name	Employer	Other Affiliations	Tues	Wed
Wang	Alvin	Huawei	Huawei	X	X
Watanabe	Yuji	AGC	AGC	X	X
Wienckowski	Natalie	GM	GM	X	X
Yang	Yumeng	Huawei	Huawei	X	X
Zhang	Xingxin	Huawei	Huawei		X
Zhu	Chunhui	Huawei	Huawei		X
Zimmerman	George	CME Consulting	Commscope, Marvell, CME Consulting, Cisco, ADI, SenTekse	X	X