

Unconfirmed Meeting Minutes: IEEE 802.3 Greater than 10 Gb/s Automotive Ethernet
Electrical PHYs Study Group
May 21, 2019
Salt Lake City, UT, USA

Prepared by Jon Lewis

IEEE 802.3 Greater than 10 Gb/s Automotive Ethernet Electrical PHYs Study Group (B10G) Study Group meeting convened at 3:20 PM, Tuesday, May 21, 2019 by David Law, 802.3 Working Group Chair.

Attendance is listed in Appendix A

ADMINISTRATIVE MATTERS

Mr. Law explained that the Working Group chair appoints the study group Chair, and the study group would confirm the appointment. Mr. Law then reminded the group that he had announced his intention to appoint Steve Carlson Study Group Chair at the March Closing Plenary, and he then appointed Steve Carlson Study Group Chair.

Mr. Law appointed Jon Lewis as recording secretary for this session.

Motion #1: Confirm Steve Carlson as the IEEE 802.3 Greater than 10 Gb/s Automotive Ethernet Electrical PHYs Study Group Chair.

M: Bob Grow S: Natalie Wienckowski

Y: 69 N: 0 A: 0

MOTION PASSES (>= 75%)

Mr. Law turned the meeting over to Study Group Chair Steve Carlson.

Presentation: [agenda_B10GAUTO_1a_0519.pdf](#)

Presenter: Steve Carlson, Chair.

The Chair called for introductions and affiliations, the participants introduced themselves, and the Chair then proceeded with the agenda.

The Chair reviewed the agenda. Mr. Carlson turned to presentation [agenda_B10GAUTO_1a_0519.pdf](#) and reviewed the schedule of presentations for the meeting.

Motion #2: Approve the agenda from [agenda_B10GAUTO_1a_0519.pdf](#)

M: Brett McClellan S: Tom Souvignier

Approved by voice vote without objection (Procedural > 50%)

The Chair then resumed the review of presentation [agenda_B10GAUTO_1a_0519.pdf](#):

- Mr. Carlson noted that there should be no recording or photography without permission.
- Mr. Carlson asked if anyone was attending from the press including those who would run a public blog on this meeting – none responded.

Mr. Carlson then continued review of the presentation, Big Ticket items for this meeting, to hear presentations on PAR, 5 Criteria (CSD) , and Objectives for the study group.

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

IEEE Patent Policy, Mr. Carlson read aloud the patent policy for study groups (pre-PAR) from [agenda_B10GAUTO_1a_0519.pdf](#), page entitled “Guidelines for IEEE-SA Meetings” (3:48 PM).

Mr. Carlson reviewed the standards development process for IEEE and where this study group is in the process.

Mr. Carlson reviewed the WG motion from the March plenary meeting of the 802.3 WG to establish the Study Group.

LIAISONS

The Chair moved to liaisons and noted that there were no liaisons for the Study Group at this time.

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

PRESENTATIONS

The Chair then moved to the presentations for the meeting.

NOTE: Abstracts are given when supplied by the presenter.

Title: The PAR form demystified ([PAR.ppt](#))
Presenter: David Law, Hewlett Packard Enterprise

Title: Discussion of Cost in IEEE Standards ([lindsay_01_0512_optx.pdf](#))
Mr. Law shared the link to the slide deck that individuals should review prior to making a presentation on cost comparison.

Title: Review of the 5 Criteria ([dambrosia_3NGAUTO_01_0117.pdf](#))
Presenter: Steve Carlson, Study Group Chair

Title: Project Objectives ([hajduczenia 3NGAUTO 01_0117.pdf](#))
Presenter: Marek Hajduczenia, Charter Communications

Title: OEM CONSOLIDATED GREATER THAN 10GB/S ETHERNET TOPOLOGIES ([wienckowski 3+10G 01a_0519.pdf](#))
Presenter: Natalie Wienckowski, General Motors

FUTURE MEETINGS

Mr. Carlson reviewed future meetings locations from the agenda presentation.

Attendance:

Attend July 2019 802 Vienna, Austria plenary:

Y: 35 N: 10 M: 14

Attend Sept 2019 interim, Indianapolis, IN, USA:

Y: 23 N: 3 M: 34

No further motions of business were offered.

Adjournment

Motion #3:

- **To adjourn the meeting**
- **M: Duane Remein S: Brett McClellan**
- **Motion Passes by Voice without Opposition**

The Meeting was adjourned at 5:28PM, Tuesday, May 21, 2019.

Appendix A: Attendees at the IEEE 802.3 Greater than 10 Gb/s Automotive Ethernet Electrical PHYs Study Group Meeting, May 21, 2019

IEEE 802.3 Greater than 10 Gb/s Automotive Ethernet Electrical PHYs Study Group May 2019	Day 1 21 May
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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
Aono	Michikazu	Yazaki	Yazaki	X
Bar-Niv	Amir	Aquantia	Aquantia	X
Boyer	Rich	Aptiv	Aptiv	X
Brownlee	Phillip	Independent	TDK	X
Carlson	Steve	High Speed Design	Robert Bosch, Marvell	X
Chalupsky	David	Intel	Intel	X
Choudhury	Mabud	OFS	OFS	X
Dawson	Fred	Chemours	Chemours	X
DiBiaso	Eric	TE Connectivity	TE Connectivity	X
Dube	Kathryn	UNH-IOL	UNH-IOL	X
Dupuis	Marc	Web Industries	Web Industries	X
Farjadrad	Ramin	Aquantia	Aquantia	X
Fazlolahi	Amir	Futurewei Technologies	Futurewei Technologies	X
Fritsche	Matthias	Harting	Harting	X
Gardner	Mike	Molex, LLC	Molex, LLC	X
Graber	Steffen	Pepperl+Fuchs	Pepperl+Fuchs	X
Grau	Olaf	Robert Bosch	Robert Bosch	X
Grow	Robert	RMG Consulting	RMG Consulting	X
Hajduczenia	Marek	Charter	Charter	X
Hess	Dave	Cord Data	Cord Data	X
Hyakukai	Toshihca	Sony Electronics Inc.	Sony Electronics Inc.	X
Hyakutake	Yasuhiro	Adamant Namiki Precision Jewel	Adamant Namiki Precision Jewel	X

**IEEE 802.3 Greater than 10 Gb/s Automotive Ethernet Electrical PHYs Study
Group May 2019**

Day 1
21 May

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Last Name	First Name	Employer	Other Affiliations	Tues
Jones	Peter	Cisco	Cisco	X
Kadry	Haysam	Ford Motor Company	Ford Motor Company	X
Kagami	Manabu	NITech	NITech	X
Kondo	Taiji	Megachips	Megachips	X
Koppermüller	Daniel	MD Elektronik GmbH	MD Elektronik GmbH	X
Lackner	Hans	QoSCom GmbH	QoSCom GmbH	X
Law	David	Hewlett Packard Enterprise	Hewlett Packard Enterprise	X
Lewis	Jon	Dell EMC	Dell EMC	X
Lo	William	Axonne Inc	Axonne Inc	X
Mash	Chris	Marvell	Marvell	X
Masuda	Takeo	OITDA	OITDA	X
Matheus	Kirsten	BMW	BMW	X
McClellan	Brett	Marvell	Marvell	X
Mootazai	Sanaz	Volkswagon AG	Volkswagon AG	X
Ohni	Josef	MD Elektronik	MD Elektronik	X
Pandey	Sujan	NXP	NXP	X
Patel	Harsh	Molex, LLC	Molex, LLC	X
Reinhard	Michael	SEI Antech-Europe GmbH	SEI Antech-Europe GmbH	X
Remein	Duane	Futurewei Technologies	Futurewei Technologies	X
Renteria	Victor	Bel Fuse Inc	Bel Fuse Inc	X
Roju	Parthasahathy	Tektronix	Tektronix	X
Salehi	Hamid Reza	Marvell	Marvell	X
Savi	Olindo	Hubbell	Hubbell	X
Sayre	Edward	Samtec	Samtec	X
Sederat	Hossein	Ethernovia	Ethernovia	X

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Last Name	First Name	Employer	Other Affiliations	Tues
Sedio	Steve	TDK	TDK	X
Shariff	Masood	Commscope	Commscope	X
Shiino	Masato	Furukawa Electric	Furukawa Electric	X
Sisk	Jason	UNH-IOL	UNH-IOL	X
Souvignier	Tom	Broadcom Ltd.	Broadcom Ltd.	X
Sparrowhawk	Bryan	Leviton	Leviton	X
Taketo	Kumada	Yazaki	Yazaki	X
Takeuchi	Junichi	JAE Electronics	JAE Electronics	X
Tellas	Ronald	Belden	Belden	X
Thompson	Geoff	GraCaSI SA.	Independent	X
Toshiyuki	Moritake	JAE Electronics	JAE Electronics	X
Tu	Mike	Broadcom Ltd.	Broadcom Ltd.	X
Vakilian	Kambiz	Broadcom Ltd.	Broadcom Ltd.	X
Wei	Dong	Futurewei Technologies	Futurewei Technologies	X
Wienckowski	Natalie	GM	GM	X
Wu	Peter	Marvell	Marvell	X
Wu	Dance	Marvell	Marvell	X
Yoshihiro	Niihara	Fujikura	Fujikura	X
Zimmerman	George	CME Consulting	Commscope, Aquantia, CME Consulting, Cisco, ADI, BMW, APL Group, SensTek	X
Zinner	Helge	Continental	Continental	X