

Unconfirmed Meeting Minutes: IEEE P802.3ch Multi-Gigabit Automotive Ethernet PHY
Task Force
September 11-12, 2017
Charlotte, NC USA

Prepared by Jon Lewis

IEEE P802.3ch Multi-Gigabit Automotive Ethernet PHY Task Force meeting convened at 9:02AM, Monday, September 11, 2017 by Steve Carlson, Task Force Chair.

Attendance is listed in Appendix A

Administrative Matters

Steve Carlson displayed the agenda in [agenda_3ch_01a_0917.pdf](#).

The Task Force Chair called for introductions and affiliations.

Steve Carlson reviewed the agenda in [agenda_3ch_01a_0917.pdf](#).

Motion #1: Move to approve the agenda as shown in [agenda_3ch_01a_0917.pdf](#)

**M: Robert Grow S: Brett McClellan
Approved by voice without opposition (Procedural > 50%)**

The Chair then asked for comments or corrections to the minutes of the last meeting. No responses were heard.

Motion #2: Move to approve the minutes of the July 2017 IEEE P802.3ch Multi-Gigabit Automotive Ethernet PHY Task Force Meeting.

**M: Natalie Wienckowski S: Andrew Klaus
Approved by voice without opposition (Procedural > 50%)**

The Chair then resumed the review of presentation [agenda_3ch_01a_0917.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.

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 **9:21 AM**, Mr. Carlson showed slides 0 through 4 patent policy from [agenda 3ch 01a 0917.pdf](#). Mr. Carlson showed slide 0 and read aloud slides 1 through 4. Mr. Carlson made the call for potentially essential patents at **9:24 AM**, and none responded. Mr. Carlson then completed the reading of slide #4.

Mr. Carlson reviewed slide 17 entitled “Participation in IEEE 802 Meetings” and asked if there was any discussion necessary with the Task Force. None responded.

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 noted that no liaisons were received.

PRESENTATIONS:

The Chair then moved to the presentations for the meeting.

Title: Proposed Link Segment Configuration Test Results
([Javed 3ch 01 0917.pdf](#))

Presenter: Ali Javed, Mike Gardner, Molex LLC

Title: Automotive Link Segment Analysis for NGAuto ([DiBiaso 3ch 01 0917.pdf](#))

Presenter: Bert Bergner, Eric DiBiaso, TE Connectivity

Title: Ad hoc report ([zimmerman 3ch 01 0917.pdf](#))

Presenter: George Zimmerman, Commscope, Aquantia, LTC, CME Consulting, Cisco, ADI, BMW, APL Group

Title: MultiGig Auto-PHY Block Code Considerations
([McClellan 3ch 01 0817.pdf](#))

Presenter: Brett McClellan, Marvell

Title: Multi-level PAM Study for M-Gig Automotive PHYs ([wu 3ch 01 0917.pdf](#))

Presenter: Peter Wu, Marvell

The meeting recessed for a short break at 10:47 AM.

The meeting resumed at 11:12 AM.

The Chair continued with presentations.

Title: Asymmetrical Link Operation using EEE ([dalmia 3ch 01 0917.pdf](#))

Presenter: Kamal Dalmia, Aquantia

The Task Force broke for lunch at 11:34 AM

The Task Force resumed from lunch at 1:03 PM.

The Chair reminded the Task Force that badges are required in the conference area. The Chair then returned to presentations per the meeting agenda.

Title: AUTOMOTIVE WAKEUP METHODS ([Wienckowski 3ch 01a 0917.pdf](#))

Presenter: Natalie Wienckowski, General Motors

The Chair then announced that the remainder of the day will be used for an ad hoc on the work that remains in the project.

The meeting recessed for the day at 1:37 PM.

The meeting resumed at 9:03 AM.

Steve Carlson displayed the agenda in [agenda 3ch 01a 0917.pdf](#).

The Chair reviewed future meeting plans.

Future Attendance Straw Polls:

Attend November 2017 Plenary in Orlando, FL, USA

Y: 29 N: 0 M: 4

Attend January 2018 Interim, ITU, Geneva, CH

Y: 11 N: 7 M: 13

Title: Link Segment Ad-Hoc Report ([Wienckowski 3ch 02 0917.pdf](#))

Presenter: Natalie Wienckowski, General Motors

Title: Editor's Report: P802.3ch Draft D0.1 ([Wienckowski 3ch 03 0917.pdf](#))

Presenter: Natalie Wienckowski, General Motors

The Chair then discussed with the group the frequency and topics for the ad hoc meetings. The ad hoc calls are to continue as scheduled. Natalie indicated that the next ad hoc meeting would be October 4, 2017.

The Chair discussed potential timelines for the Task Force and that the Task Force would confirm a timeline in November. Discussions to continue on the ad hoc calls.

The Chair noted that the agenda had been completed and asked if there was any further business.

Adjournment

Motion #3: To adjourn the meeting.

M: Natalie Wienckowski S: Kamal Dalmia

MOTION PASSES by voice without opposition

The Meeting was adjourned at 9:40 AM

Appendix A: Attendees at the IEEE P802.3ch Multi-Gigabit Automotive Ethernet PHY Task Force Meeting, September 11-12, 2017.

IEEE P802.3ch Task Force Sept'17				9/11/17	9/12/17
Last Name	First Name	Employer	Affiliation	Monday	Tuesday
Amason	Dale	NXP	NXP	X	X
Brownlee	Phillip	TDK	TDK	X	X
Carlson	Steve	High Speed Design	Robert Bosch	X	X
Carty	Clark	Cisco	Cisco	X	X
Chabot	Craig	UNH-IOL	UNH-IOL		X
Dalmia	Kamal	Aquantia	Aquantia	X	X
DiBiaso	Eric	TE Connectivity	TE Connectivity	X	X
Donahue	Curtis	UNH - IOL	UNH - IOL	X	
Eyal	Massad	Valens	Valens	X	X
Fathi Moghadam	Borhan	Nvidia	Nvidia	X	X
Flatman	Alan	LAN Technologies	LAN Technologies	X	X
Gardner	Mike	Molex, LLC	Molex, LLC	X	X
Gottron	Jens	Siemens AG	Siemens AG	X	X
Grau	Olaf	Robert Bosch	Robert Bosch	X	X
Grow	Robert	RMG Consulting	RMG Consulting	X	
Hopkinson	Wayne	Commscope	Commscope	X	X
Horner	Rita	Synopsys	Synopsys	X	X
Huynh	Anhtuan	Leoni Cable	Leoni Cable	X	X
Hyakutake	Yasuhiro	Adamant Co., Ltd	Adamant Co., Ltd	X	X
Javed	Ali	Molex, LLC	Molex, LLC	X	X
Khan	Mohammed	Pulse Electronics	Pulse Electronics	X	X
Klaus	Andrew	Marvell	Marvell/Jaspar	X	X
Krieger	Olaf	Volkswagen	Volkswagen	X	X
Lewis	Jon	Dell EMC	Dell EMC	X	X
Lu	Heng Loong	Senco Advanced Components	Senco Advanced Components	X	
Madgar	Tzahi	Valens	Valens	X	X
Maguire	Valerie	Siemon	Siemon		X
Matheus	Kirsten	BMW	BMW	X	X
McClellan	Brett	Marvell	Marvell	X	X
Miller	Martin	Microchip	Microchip	X	X
O'Neil	Adam	UNH-IOL	UNH-IOL	X	X
Pandey	Sujan	NXP	NXP	X	X
Pohmerer	Rainer	Leoni	Leoni	X	X

Renteria	Victor	Bel Fuse Inc.	Bel Fuse Inc.		X
Rubino	Litsa	Delphi	Delphi	X	X
Sedarat	Hossein	Aquantia	Aquantia	X	X
Shirani	Ramin	Aquantia	Aquantia	X	X
Sisk	Jason	UNH-IOL	UNH-IOL	X	X
Sparrowhawk	Bryan	Leviton	Leviton	X	X
Vaden	Sterling	Surtec, Ind.	Vaden Enterprises	X	X
Wienckowski	Natalie	GM	GM	X	X
Wu	Peter	Marvell	Marvell	X	X
Zimmerman	George	CME Consulting	Commscope, Aquantia, CME Consulting, Cisco, ADI, BMW	X	