

Unconfirmed Meeting Minutes: IEEE P802.3ch Multi-Gigabit Automotive Ethernet PHY
Task Force
November 8-9, 2017
Orlando FL, USA

Prepared by Jon Lewis

IEEE P802.3ch Multi-Gigabit Automotive Ethernet PHY Task Force meeting convened at 1:09PM, Wednesday, November 8, 2017 by Steve Carlson, Task Force Chair.

Attendance is listed in Appendix A

Administrative Matters

Steve Carlson displayed the agenda in [agenda 3ch 01 1117.pdf](#).

The Task Force Chair called for introductions and affiliations.

Steve Carlson reviewed the agenda in [agenda 3ch 01 1117.pdf](#).

Motion #1: Move to approve the agenda as shown in [agenda 3ch 01 1117.pdf](#)

**M: Phil Brownlee S: Massoud Shariff
Approved by voice without opposition (Procedural > 50%)**

The Chair then asked for comments or corrections to the minutes of the last meeting. "Natalie" was misspelled as "Nathalie". No other corrections were noted.

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: Phil Brownlee
Approved by voice without opposition (Procedural > 50%)**

The Chair then resumed the review of presentation [agenda 3ch 01 1117.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 **1:35 PM**, Mr. Carlson asked if anyone in the room was not familiar with the patent slides, none responded. Mr. Carlson made the call for potentially essential patents at **1:37 PM**, and none responded. Mr. Carlson then asked if anyone was unfamiliar with slide #4, none responded.

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.

The Chair then showed the current objectives for the Task Force.

PRESENTATIONS:

The Chair then moved to the presentations for the meeting.

Title: Ad-Hoc Report ([zimmerman 3ch 01a 1117.pdf](#))

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

The next Ad hoc meeting will be Wednesday, November 29, 2017, 7:00-9:00 AM Pacific Time. Additional meeting times to be announced via the reflector.

Title: Editor's Report - 802.3 Primer for Baselines ([wienckowski 3ch 01 1117.pdf](#))

Presenter: Natalie Wienckowski, General Motors

The meeting took a short break at 2:53 PM.

The meeting resumed at 3:16 PM.

Title: STP cable in automotive environment ([kumada 3ch 01 1117.pdf](#))

Presenter: Taketo Kumada, YAZAKI

Title: SDP Screening & Coupling Attenuation for 802.3ch

([DiBiaso Bergner 3ch 01 1117.pdf](#))

Presenter: Eric DiBiaso, TE Connectivity

Title: 802.3ch coupling attenuation and BCI ingress noise
([mueller 3ch 01 1117.pdf](#))

Presenter: Thomas Müller, Rosenberger

Title: RF Ingress Measurements for STP Cables from Automotive ALSE Test
([Cohen Shirani 3ch 01 1108.pdf](#))

Presenter: Ramin Shirani, Aquantia

Title: Channel Requirements for Optimum/Robust PHY Design Beyond
1000BASE-T1 ([Farjadrad 3ch 01b 1117](#))

Presenter: Ramin Farjadrad, Aquantia

Title: A First Look at Multi-Gig PHY TX-PSD Mask ([Pandey 3ch 01 1117.pdf](#))

Presenter: Sujan Pandey, NXP Semiconductors

Administrative matters.

The Chair reviewed future meeting plans.

Future Attendance Straw Polls:

Attend January 2018 Interim, ITU, Geneva, CH

Y: 19 N: 6 M: 20

Attend March 2018 Plenary in Rosemont, IL USA

Y: 25 N: 0 M: 17

The meeting recessed for the day at 5:23 PM.

The meeting resumed at 9:01 AM.

The Chair called the meeting to order and discussed the plan moving forward for the Task Force.

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: Bob Grow

MOTION PASSES by voice without opposition

The Meeting was adjourned at 9:53 AM

Appendix A: Attendees at the IEEE P802.3ch Multi-Gigabit Automotive Ethernet PHY Task Force Meeting, November 8-9, 2017.

IEEE P802.3ch Task Force Nov'17				11/8/17	11/9/17
Last Name	First Name	Employer	Affiliation	Wednesday	Thursday
A	Shaziah	GM	GM	X	X
Akkihal	Shiva	Microchip	Microchip	X	
Bains	Amrik	Cisco	Cisco	X	X
Beaujoin	Denis	TI	TI	X	X
Beauregard	Francois	Belden	Belden	X	X
Brownlee	Phillip	TDK	TDK	X	X
Carlson	Steve	High Speed Design	Robert Bosch	X	X
Carty	Clark	Cisco	Cisco	X	X
Chalupsky	David	Intel	Intel	X	
Crayford	Ian	Network Engineering	Network Engineering	X	X
Dachin	Tseng	Realtek	Realtek	X	X
Den Besten	Gerrit	NXP Semiconductors	NXP Semiconductors	X	X
DiBiaso	Eric	TE Connectivity	TE Connectivity	X	X
Dinh	Thuyen	Pulse	Pulse	X	X
Donahue	Curtis	UNH - IOL	UNH - IOL	X	
Eyal	Massad	Valens	Valens	X	X
Farjadrad	Ramin	Aquantia	Aquantia	X	
Fathi Moghadam	Borhan	Nvidia	Nvidia	X	X
Flatman	Alan	LAN Technologies	LAN Technologies	X	X
Fritsche	Matthias	Harting	Harting	X	X
Gardner	Mike	Molex, LLC	Molex, LLC	X	X
Graber	Steffen	Pepperl+Fuchs	Pepperl+Fuchs		X
Grow	Robert	RMG Consulting	RMG Consulting	X	X
Hailang	Deng	Mediatek	Mediatek	X	X
Hess	Dave	Cord Data	Cord Data	X	X
Horner	Rita	Synopsys	Synopsys	X	
Hyakutake	Yasuhiro	Adamant Co., Ltd	Adamant Co., Ltd	X	X
Jones	Peter	Cisco	Cisco	X	
Kabra	Lokesh	Synopsys Inc	Synopsys Inc	X	
Kagami	Manabu	Toyota CRDL	Toyota CRDL	X	

IEEE P802.3ch Task Force Nov'17				11/8/17	11/9/17
Last Name	First Name	Employer	Affiliation	Wednesday	Thursday
Kato	Hideki	Yazaki	Yazaki	X	X
Klaus	Andrew	Marvell	Marvell/Jaspar	X	
Kondo	Taiji	Megachips	Megachips	X	X
Kumada	Taketo	Yazaki	Yazaki	X	X
Lackner	Hans	QoSCom Gmbh	QoSCom Gmbh	X	
Lau	Timothy	Marvell	Marvell	X	X
Law	David	Hewlett Packard Enterprise	Hewlett Packard Enterprise	X	
Lee	HJ	LGE	LGE	X	X
Lewis	Jon	Dell EMC	Dell EMC	X	X
Lin	Alex	Mediatek	Mediatek	X	X
Matheus	Kirsten	BMW	BMW		X
Miller	Martin	Microchip	Microchip	X	X
Mueller	Thomas	Rosenberger	Rosenberger	X	
Nishimura	Takeshi	Yamaichi	Yamaichi	X	X
Pandey	Sujan	NXP	NXP	X	X
Patel	Harsh	Molex, LLC	Molex, LLC	X	X
Renteria	Victor	Bel Fuse Inc.	Bel Fuse Inc.		X
Rubino	Litsa	Delphi	Delphi	X	X
Saraf	Ritesh	Omniphy	Omniphy	X	
Schuessler	Jim	Samsung Electronics	Samsung Electronics	X	X
Shariff	Masood	Commscope	Commscope	X	X
Shirani	Ramin	Aquantia	Aquantia	X	
Thompson	Geoff	GraCaSI SA.	Independent		X
Vaden	Sterling	Surtec, Ind.	Vaden Enterprises	X	
Wechsler	Christoph	Audi	Audi	X	X
Wienckowski	Natalie	GM	GM	X	X
Withey	James	Fluke	Fluke	X	
Yang	Kai	Global Foundries	Global Foundries	X	
Zerna	Conrad	Frannhofer IIS	Frannhofer IIS	X	
Zimmerman	George	CME Consulting	Commscope, Aquantia, CME Consulting, Cisco, ADI, BMW	X	X