

Minutes IEEE 802.3 Multigig Automotive Ethernet PHY SG AdHoc meeting March 1, 2017

Prepared by George Zimmerman

Proposed Agenda:

1. Agenda/Admin: George Zimmerman, agenda_3NGAUTOah_01_030117.pdf
2. SG Chair's comments: Steve Carlson, no presentation
3. Presentation: Advanced VCSEL for High Temperature Operation, Joerg Kropp, Vertical Integrated Systems
4. Next steps

Presentations were posted to the adhoc webpage the evening before

Agenda/Admin George Zimmerman:

Meeting began at 7:05am PT.

Introductions & Affiliations.

Presented file: [agenda 3NGAUTOah 01 030117.pdf](#)

1. Reviewed the Attendance information related to the ad hoc.
2. Displayed pre-par patent slide deck, and reviewed it.
3. Reminded participants to indicate full names and employer/affiliation for the meeting minutes.

The reflector and website are now up, and we are now using the NGAUTO reflector. Instructions for subscribing to the reflector may be found at <http://www.ieee802.org/3/NGAUTO/reflector.html>. If you cannot subscribe to the reflector for some reason, and need additional assistance please contact the study group chair.

Presentations/Discussion:

Chair's Comments & Discussion Steve Carlson, Chair, Multigig Automotive Ethernet PHY

Study Group: Steve noted that the Warren meeting was a success and detailed objectives were adopted. The Study Group will meet Monday and (possibly) Thursday in conjunction with the 802.3cg 10Mb/s Single Pair Ethernet Task Force. We will need to plan out our overlap. On Wednesday, if necessary, the NGAUTO study group will meet. Big ticket items are responding to any comments on the PAR & CSDs, and adding any additional objectives for adoption by the working group (802.3) on Thursday evening.

Presentation: Joerg Kropp, Vertical Integrated Systems, [Advanced VCSEL for High Temperature Operation](#)

The presenter discussed developing VCSEL technology for high temperature operation in support of using a glass optical fiber in automotive applications at 10Gb/s. VCSEL Reliability considerations were also discussed.

Closing Business: George Zimmerman, CME Consulting

Follow up items, items to resolve:

Possible wording for an optical PHY objective at 10Gb/s was discussed and refined on the call.

Future Meetings

The next meeting will be the regular study group meeting in Vancouver. Additional ad hoc meetings if necessary will be scheduled and announced at that time.

Meeting closed –8:30 am PT

Attendees (from Webex + emails) (TO BE ADDED)

First Name	Last Name	Affiliation
Shogo	Akasaki	Denso
Tobias	Belitz	Renesas
Christian	Boiger	B-Plus
David	Brandt	Rockwell
Stefan	Buntz	Daimler
Steve	Carlson	High Speed Design
Clark	Carty	Cisco
Mabud	Choudhury	OFS Optics
Eric	DiBiaso	TE
Chris	Diminico	MC Communications
Matthias	Fritsche	Harting
Hossein	Ghafarian	TU-Berlin
Olaf	Grau	Bosch
Ajeya	Gupta	Ford
Erich	Heiko	TUEV-Nord
Juergen	Herrle	Audi
GG	Herrmann	Griller
Yasuhiro	Hyakutake	Adamant
Dalibor	IGNJATOVIC	Acome
Matthias	Jaenecke	Yazaki
Chad	Jones	Cisco
Tomohiro	Kikuta	Adamant
Joerg	Kropp	V-I-systems
David	Law	HP Enterprise
Tzahi	Madgar	Valens
Brett	McClellan	Marvell
Greg	McSorley	Amphenol
Wes	Mir	Delphi
Henry	Muyschondt	Microchip
Doug	Oliver	Ford
Rob	Schmidt	Rockwell
Ching-Yao	Su	Realtek

Steve	Swanson	Corning
Natalie	Wienckowski	GM
Mike	Yadlowsky	Corning
Sungjong	Yoo	Molex
George	Zimmerman	CME Consulting