

Minutes
Multi-Gigabit Optical Automotive Ethernet (OMEGA)
Task Force Ad hoc
4 August 2020

Attendance list as recorded in Webex participant list.

Name	Employer/Affiliation(s)
*Abbott, John	Corning Incorporated
Aono, Michikazu	Yazaki Corporation
Araki, Nobuyasu	Yazaki Corporation
Boyer, Rich	Aptiv Signal and Power Solutions
Dittmann,Markus	KDPOF
*Ferretti, Vince	Corning
Fortusini, Davide	Corning
Fukuoka, Takashi	AutoNetworks Technologies Ltd.; Sumitomo Electric Industries, Ltd.
*Gardner, Mike	mG PHYLink Consulting/Independent
Glanzner, Martin	Sumitomo Electric Industries, LTD
Goto, Hideki	TOYOTA MOTOR CORPORATION
*Grow, Robert	RMG Consulting/KDPOF
*Harshbarger, Douglas	Corning
Hartmann, Stephan	Siliconally GmbH
He, Fang	Zhaolong Interconnect
Hirase, Hidenari	AGC
HYAKUTAKE, YASUHIRO	Adamant Namiki Precision Jewel Co., Ltd.
Jackson, Ken	Sumitomo
Kagami, Manabu	Nagoya Institute of Technology (NITech)
Kikuta, Tomohiro	Adamant Namiki Precision Jewel Co., Ltd.
Kondo, Taiji	MegaChips
Law, David	Hewlett Packard Enterprise
Ledentsov, Nick	VIS
*Lesniak, Scott	Panduit
Malicoat, David	Malicoat Networking Solutions; SENKO Advanced Components
*Pardo, Carlos	KDPOF
Perez De Aranda Alonso, Ruben	KDPOF
Pimpinella, Rick	Panduit Corp.
Preis, Roland	MD Elektronik GmbH
Prujan, Benny	Huawei
Reinhard, Michael	SEI ANTech-Europe GmbH
Shigematsu, Masayuki	Innovation Core SEI
Shiino, Masato	FURUKAWA ELECTRIC
*Suzuki, Yasuo	KDPOF Japan
Takahashi, Satoshi	POF Promotion
Takahashi, Tadashi	Nitto Denko Corporation

Name	Employer/Affiliation(s)
Takayama, Kazuya	Nitto Denko Corp.
*Thompson, Geoffrey	GraCaSI S.A./Independent
*Torres, Luisma	KDPOF
Ueno, Yuto	Sumitomo
Wienckowski, Natalie	General Motors Company
Yurtin, John	Aptiv
Zinner, Helge	Continental
*Zhu, Chunhui	Futurewei Technologies

*Name and/or affiliation were clarified via WebEx Chat.

Tuesday, 4th August 2020, 12:00 (noon) UTC

The meeting was called to order at approximately 12:02 UTC Tuesday 4th August 2020
Chaired by Robert Grow, IEEE P802.3cz Task Force Chair.

Mr. Grow presented *Agenda and General Information* (http://www.ieee802.org/3/cz/public/4_aug_2020/Agenda_3cz_01_090620.pdf). Mr. Grow presented the agenda for the meeting and it was approved by unanimous consent.

Mr. Grow noted that the draft P802.3 PAR (802.3dc) is in approval process, and that all the three timelines considered by the Maintenance TF will not include P802.3cz in the revision. Mr. Grow asked the contributors to focus on the technical part when commenting, as the numbering of registers and definitions, for example, will change when synchronizing with the next revision of IEEE Std 802.3.

Mr. Grow reminded the audience to add the affiliation after the name in the Webex application.

Mr. Grow asked the audience if there was anybody from the press. No one responded to the call.

Mr. Grow asked the audience if there are someone that is not familiar with the IEEE general rules presentation. No one responded. Mr. Grow went through the general rules' presentation briefly.

Mr. Grow issued the call for essential patent claims. No one responded to the call. He also presented the slides on the IEEE Copyright Policy and participation guidelines

Mr. Pérez-Aranda had requested to present *Characterization of Vendor E VCSELS*. (http://www.ieee802.org/3/cz/public/4_aug_2020/perezaranda_3cz_01b_0820_VendorE_VCSEL.pdf).

The presentation completes the measurements of VCSELS from different vendors. Previous measurements from vendor A, B, C and D were presented in Task Force July Plenary meeting.

The presentation describes the measurements obtained in the laboratory of two VCSEL designs provided by Vendor E, first based on Quantum Dots (QD) and second based on Quantum Wells (QW). It also presents the extraction of key parameters of the VCSEL needed to build a VCSEL model valid in the range of temperatures defined in the objectives of this Task Force. A number of questions were asked about the presentation and Mr. Pérez-Aranda provided answers. Mr. Grow stated that the interoperability is a must for IEEE standardization. Mr. Abbott asked about the equalization and Mr. Pérez-Aranda answered that his technical opinion is that the equalization should work with different types of VCSELS and temperatures.

Mr. Pimpinella had requested to present *Cost & Performance Comparison: Butt Coupled vs Expanded Beam connectors* (http://www.ieee802.org/3/cz/public/4_aug_2020/pimpinella_3cz_01_0820.pdf). The presentation shows a comparative in terms of relative cost and performance between two of the technical candidates for OMEGA optical connectors. A number of questions were asked about the presentation and Mr. Pimpinella provided answers.

Mr. Grow presented *P802.3cz Electronic Process Overview*. This presentation show P802.3cz meeting information, types (Ad hoc and Interim), timing and the rules (including voting rules) that apply to each meeting type of P802.3cz Task Force.

With no further business to conduct, and having reached the end of the agenda, the meeting was adjourned at approximately 14:01 UTC.

Recording Secretary: Luisma Torres.