

Minutes
Multi-Gigabit Optical Automotive Ethernet (OMEGA)
Task Force Ad hoc
13 October 2020

Attendance list as recorded in Webex participant list

Name	Employer/Affiliation(s)
Abbott, John	Corning Incorporated
Amamiya, Yasushi	Megachips
Aono, Michikazu	Yazaki Corporation
Araki, Nobuyasu	Yazaki Corporation
Barbero, Fernando	KDPOF
Dittmann, Markus	KDPOF
Fukuoka, Takashi	AutoNetworks Technologies Ltd.; Sumitomo Electric Industries, Ltd.
Gardner, Mike	mG PHYLink Consulting/Independent
*Grow, Robert	RMG Consulting/KDPOF
Han, Ruiho	CMCC
Harshbarger, Douglas	Corning
Hartmann, Stephan	Siliconally GmbH
Hirase, Hidenari	AGC
Hyakutake, Yashuhiro	Adamant Namiki Precision Jewel Co., Ltd.
Kikuta, Tomohiro	Adamant Namiki Precision Jewel Co., Ltd.
King, Roger	TRUMPF Photonic Components GmbH
Koepfendorfer, Erwin	LEONI Kabel
Kondo, Taiji	Megachips
Law, David	HPE
*Lee, Bernard	SENKO
Masuda, Takeo	OITDA/PETRA
Malicoat, David	Malicoat Networking Solutions; SENKO Advanced Components
Pérez De Aranda Alonso, Rubén	KDPOF
Pinzón, Plinio	KDPOF
Pimpinella, Rick	Panduit Corp.
Preis, Roland	MD Elektronik GmbH
Reinhard, Michael	SEI ANTech-Europe GmbH
*Suzuki, Yasuo	KDPOF
Shiino, Masato	FURUKAWA ELECTRIC
*Swanson, Steven	Corning
Takahashi, Satoshi	POF Promotion
Takayama, Kazuya	Nitto Denko Corp.
Torres, Luisma	KDPOF
Ueno, Yuto	Sumitomo
*Wienckowski, Natalie	General Motors Company
Wiesner, Michael	TRUMPF
Wanatabe, Yuji	AGC

Name	Employer/Affiliation(s)
Yurtin,John	Aptiv

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

Tuesday, 13th October 2020, 12:00 (noon) UTC

The meeting was called to order at approximately 12:03 UTC Tuesday 13th October 2020
Chaired by Robert Grow, IEEE P802.3cz Task Force Chair.

Mr. Grow presented *Agenda and General Information*
(https://www.ieee802.org/3/cz/public/13_oct_2020/Agenda_3cz_01_131020.pdf). Mr. Grow presented the agenda for the meeting. The agenda was approved by unanimous consent.

The minutes of the previous IEEE P802.3cz Task Force Ad hoc meeting were approved by unanimous consent.

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 *OMEGA Link Model*
(https://www.ieee802.org/3/cz/public/13_oct_2020/perezaranda_3cz_01_131020_link_model.pdf).

The presentation describes in detail the OMEGA link model. This model is based on Shannon capacity and takes into account the different noises and transfer functions present in the OMEGA communication system. A number of questions were asked about the presentation and Mr. Pérez-Aranda provided answers.

Mr. Pérez-Aranda had requested to present *OMEGA 25 Gb/s Link budget analysis*
(https://www.ieee802.org/3/cz/public/13_oct_2020/perezaranda_3cz_02_131020_25G_link_budget.pdf).

The presentation describes the results of the link budget analysis for the VCSELs from 4 different vendors that have been previously characterized. The results show that 25 Gbps is feasible at 125°C with low bias current. This contribution was not completely presented as the meeting time was nearly exhausted.

Mr. Grow presented the last slides of *Agenda and General Information* regarding the future meetings. He proposed to have at least one additional IEEE P802.3cz Task Force meeting during the 802.3 November Plenary Meeting in addition to Tuesday 10th November and Tuesday 17th November. The additional proposed day was Wednesday 18th November. The proposal received no comment. In response to comment suggesting more frequent meetings, Mr. Grow indicated he was also thinking about an ad hoc meeting on 3rd November.

With scheduled time for the call having expired, the meeting was adjourned at approximately 14:06 UTC.

Recording Secretary: Luisa Torres.