Minutes
Multi-Gigabit Optical Automotive Ethernet (OMEGA)
Task Force Ad hoc
9 February 2021

Attendance list as recorded in Webex participant list

Last Name	First Name	Employer	Affiliations	Feb 9th
Abbot	John	Corning	Corning	X
Amamiya	Yasushi	Megachips	Megachips	X
Aono	Michikazu	Yazaki	Yazaki	X
Araki	Nobuyasu	Yazaki	Yazaki	X
Barbero	Fernando	KDPOF	KDPOF	X
Choudhury	Mabud	OFS	OFS	X
Dittmann	Markus	KDPOF	KDPOF	X
Fortusini	Davide	Corning	Corning	X
Fukuoka	Takashi	AutoNetworks Technologies Ltd.	AutoNetworks Technologies Ltd.; Sumitomo Electric Industries, Ltd.	X
Goto	Hideki	Toyota Motor Corporation	Toyota Motor Corporation	X
Grow	Robert	Robert M. Grow Consulting	RMG Consulting, KDPOF	X
Harshbarger	Douglas	Corning Incorporated	Corning Incorporated	X
Hayashi	Takehiro	HAT Labs	HAT Labs	X
HIRASE	Hidenari	AGC	AGC	X
Horrmeyer	Bernd	Phoenix Contact	Phoenix Contact	X
Hyakutake	Yasuhiro	Adamant Namiki Precision Jewel	Adamant Namiki Precision Jewel	X
Isono	Hideki	FOC	FOC	X
KAGAMI	Manabu	NI Tech	NI Tech	X
Kamino	John	OFS	OFS	
Kazuya	Takayama	Nitto Denko Corp.	Nitto Denko Corp.	X
KIKUTA	Tomohiro	Adamant Namiki Precision Jewel	Adamant Namiki Precision Jewel	X
Kobayashi	Shigeru	AIO Core	AIO Core	X
Kondo	Taiji	MegaChips	MegaChips	X
Law	David	HPE	HPE	X
Ledentsov, Jr.	Nick	VI Systems GmbH	VI Systems GmbH	
Lee	Bernard	Senko	Senko	X
Lee	Sylvanus	Leviton	Leviton	X
Malicoat	David	Malicoat Networking Solutions	Senko Advanced Components	X
Masuda	Takeo	OITDA/PETRA	OITDA/PETRA	X
Nakagawa	Hideki	AGC	AGC	X
Ogura	Ichiro	Petra	Petra	X
Pardo	Carlos	KDPOF	KDPOF	X
Pérez-Aranda	Rubén	KDPOF	KDPOF	X
Pimpinella	Rick	Panduit	Panduit	X
Pitwon	Richard	Resolute Photonics	Resolute Photonics	X
Preis	Roland	MD Elektronik	MD Elektronik	X
Shiino	Matsato	Furukawa Electric	Furukawa Electric	X
Silvano de Sousa	Johnathan	Gebauer & Griller	Gebauer & Griller	X
Suzuki	Yasuo	KDPOF	KDPOF	X
Swanson	Steve	Corning Inc.	Corning Inc.	X
Takahashi	Ryutaro	Senko	Senko	X
Takahashi	Satoshi	POF Promotion	POF Promotion	X
Takahashi	Tadashi	Nitto Denko Corporation	Nitto Denko Corporation	X
Torres	Luisma	KDPOF	KDPOF	X
Tsuzaki	Nozomi	Independent	Independent	X
Ueno	Yuto	Sumitomo	Sumitomo	X
WATANABE	Yuji	AGC	AGC	X
Wienckowski	Natalie	General Motors	General Motors	X

Xing	Xu	Huawei	Huawei	X
Yonezawa	Kenji	AGC	AGC	X
Yurtin	John	APTIV	APTIV	X
Zou	Liang	Marvell	Marvell	X

Tuesday, 9th February 2021, 12:00 (noon) UTC

The meeting was called to order at approximately 12:01 UTC Tuesday 9th February 2021 Chaired by Robert Grow, IEEE P802.3cz Task Force Chair.

Mr. Grow presented *Agenda and General Information* (https://www.ieee802.org/3/cz/public/9_feb_2021/Agenda_3cz_01a_090221.pdf).

Mr. Grow ask if anyone had amendments or corrections to the minutes of the last January interim meeting. No one answered.

Mr. Grow clarified that the minutes of the last January interim meeting can only be approved in an interim or plenary meeting.

Mr. Grow presented the agenda for the meeting. The agenda was modified and approved by unanimous consent.

Mr. Grow reminded the audience that the deadline for Draft 1.0 commenting is 26 February.

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 commented that he received an email pointing to a potential essential patent claim that would relate to something in one of today's presentations and that he would highlight that during that presentation.

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. Grown presented the future TF meetings.

Mr. Pérez de Aranda had requested to present *Link budget analysis of 25 and 10 Gb/s using GI_POF (*https://www.ieee802.org/3/cz/public/9_feb_2021/perezaranda_3cz_01_090221_gipof_linkbudget.pdf). The presentation describes the results of link budget simulations using GI-POF fiber proposed by Mr. Watanabe. Some of these results were used in the next presentation by Mr. Watanabe. Simulation conditions were provided also by Mr. Watanabe. Mr. Watanabe thanks the cooperation of Mr. Pérez de Aranda to perform the link budget simulations.

Mr. Watanabe had requested to present *Plastic Optical Fiber for Automobile* (https://www.ieee802.org/3/cz/public/9_feb_2021/watanabe_3cz_01_090221_gipof.pdf).

The presentation describes POF characteristics for mobility and compares them with glass fiber. It also proposes a link budget table in the baseline that includes GI-POF and OM3 glass fiber. A number of questions were asked about the presentation and Mr. Watanabe provided answers.

Mr. Swanson had requested to present *Review of Fiber Optic Connector Technology* (https://www.ieee802.org/3/cz/public/9_feb_2021/swanson_3cz_01_090221_Connector_Technology.pdf). The presentation describes different types of connector technologies and their pro and cons. The relative cost and characteristics of the different technologies were briefly discussed. A number of questions were asked about the presentation and Mr. Swanson provided answers.

Mr. Aono had requested to present *Bidirectional Transmission over a single multimode optical fiber* (https://www.ieee802.org/3/cz/public/9_feb_2021/michikazu_3cz_01_190221_bidi.pdf). The presentation proposed a bidirectional communication over a simplex special POF fiber that allows asymmetric communication. Mr. Grow pointed out that this type of hybrid fiber may be the subject of a patent discovered by a patent, and if the fiber type was included in the draft standard could have

potentially essential patent claims. A number of questions were asked about the presentation and Mr. Aono provided answers. The relative cost of the proposed simplex bidirectional solution and duplex solutions were briefly discussed.

Mr. Grow reminded teleconference attendees the next Ad Hoc meeting will be on 23rd February. The ToDo list was not reviewed because scheduled meeting time was exhausted.

The meeting was adjourned by 16:03.

Recording Secretary: Luisma Torres.