

Minutes  
Multi-Gigabit Optical Automotive Ethernet (OMEGA)  
Task Force Interim  
11, 12, 18 and 19 January 2022

Attendance list as recorded in Webex participant list

Last Name	First Name	Employer	Affiliations	January 11th	January 12th	January 18th	January 19th
Abbott	John	Corning	Corning	X	X	X	X
Amamiya	Yasushi	MegaChips	MegaChips	X	X		X
Andrae	Stefan	SEI Antech-Europe GmbH	SEI Antech-Europe GmbH				
Aono	Michikazu	Yazaki	Yazaki				
Akin	Sami	VW AG	VW AG	X	X		X
Araki	Nobuyasu	Yazaki	Yazaki	X	X		X
Beaudoin	Denis	TI	TI				
Bergner	Bert	TE Connectivity	TE Connectivity				
Boyer	Rich	APTIV	APTIV				
Barbero	Fernando	KDPOF	KDPOF	X	X	X	X
Bordogna	Mark	Intel	Intel				
Borda	Jamila	BMW	BMW	X	X	X	X
Brooks	Paul	Viavi Solutions	Viavi Solutions				
Brown	Blake	UNH-IOL	UNH-IOL				
Bruckman	Leon	Huawei	Huawei	X			
Brychta	Michal	Analog Devices	Analog Devices				
Calvin	John	Keysight	Keysight				
Castrillon	Alejandro	Marvell	Marvell				
Castro	Jose	Panduit	Panduit				
Chang	Ayla						
Chang	Jae-yong	Keysight	Keysight			X	X
Choudhury	Mabud	OFS	OFS	X		X	X
Chuang	Keng Hua	HPE	HPE				
Connaughton	Mike	Leviton	Leviton				
Cuesta	Emilio	TE Connectivity	TE Connectivity				
D'Ambrosia	John	Futurewei	Futurewei			X	X
Dawson	Fred	Ch					
DeAndrea	John	II-VI/Finisar	II-VI/Finisar			X	
DiBiao	Eric	TE Connectivity	TE Connectivity		X		
Dittmann	Markus	KDPOF	KDPOF	X	X	X	X
Donthu	Suresh	Corning	Corning		X	X	X
Dube	Kae	UNH-IOL	UNH-IOL				
Eek	Magnus	Volvo Cars	Volvo Cars				
Felgenhauer	Alexander	Yazaki	Yazaki				
Fellhauer	Felix	Bosch	Bosch				
Ferretti	Vincent	Corning	Corning	X	X	X	X
Feyh	German	Broadcom	Broadcom	X	X	X	X
Fortusini	David	Corning	Corning				
Fritsche	Matthias	Harting	Harting		X		
Fukuoka	Takashi	AutoNetworks Technologies Ltd.	AutoNetworks Technologies Ltd.; Sumitomo Electric Industries, Ltd.	X			
Gao	Xiangong	Huawei	Huawei		X	X	X
Gao	Sharon	Huawei	Huawei				
Gharba	Ahmed	Volvo Car Corp.	Volvo Car Corp.			X	X
Giovanne	Laura	Broadcom	Broadcom				
Glanzner	Martin	SEI Antech-Europe GmbH	SEI Antech-Europe GmbH	X		X	
Gomez	Chisato	Nitto Denko Corporation	Nitto Denko Corporation	X	X	X	X
Goto	Hideki	Toyota Motor Corporation	Toyota Motor Corporation	X	X	X	X
Grow	Robert	Robert M. Grow Consulting	RMG Consulting, KDPOF	X	X	X	X

Guangcan	Mi	Huawei	Huawei				
Haasz	Jodi	IEEE-SA	IEEE-SA	X	X	X	X
Hajduczenia	Marek	Charter Communications	Charter Communications				
Harshbarger	Douglas	Corning Incorporated	Corning Incorporated	X	X	X	X
Hartmann	Stephan	Siliconally GmbH	Siliconally GmbH				
Hayashi	Takehiro	HAT Labs	HAT Labs	X	X	X	X
He	Xiang	Huawei	Huawei				
HIRASE	Hidenari	AGC	AGC			X	X
Horrmeier	Bernd	Phoenix Contact	Phoenix Contact				
Huang	David	Broadcom	Broadcom				
Huang	Shaowu	Marvell	Marvell				
Hyakudai	Toshihisa	Sony	Sony				
Hyakutake	Yasuhiro	Adamant Namiki Precision Jewel	Adamant Namiki Precision Jewel	X	X	X	X
Ikeda	Teppe	Denso	Denso				
Ingham	Jonathan	Huawei	Huawei				
Isono	Hideki	FOC	FOC	X	X	X	X
Jackson	Ken	Sumitomo	Sumitomo			X	X
Jiménez	Andy	WESCO	WESCO	X		X	X
Jonsson	Ragnar	Marvell	Marvell		X		
Kadry	Haysam	Ford Motor Company	Ford Motor Company	X	X	X	X
KAGAMI	Manabu	NI Tech	NI Tech	X	X	X	X
Kazuhiko	Ishibe	Anritsu	Anritsu				
Kamino	John	OFS	OFS		X	X	X
Kawahara	Keisuke	Furukawa Electric	Furukawa Electric	X	X	X	X
Kawatsu	Yasuaki	APRESIA Systems	APRESIA Systems				X
KIKUTA	Tomohiro	Adamant Namiki Precision Jewel	Adamant Namiki Precision Jewel	X	X	X	X
Kim	Joshua	Hirose USA	Hirose USA				
King	Roger	TRUMPF Photonic Components	TRUMPF Photonic Components		X	X	
Kinnyham	Alan	I-PEX	I-PEX				
Kobayashi	Shigeru	AIO Core	AIO Core	X	X	X	X
Koepfendoerfer	Erwin	Leoni	Leoni			X	X
Kondo	Taiji	MegaChips	MegaChips	X	X	X	X
Kota	Kishore	Marvell	Marvell		X		
Kumadayazaki	Taketo						
Kurashima	Kazuyoshi	AGC	AGC	X	X	X	X
Lackner	Hans	QoSCom GmbH	QoSCom GmbH		X	X	
Laubach	Mark	Self	Self				
Law	David	HPE	HPE		X	X	X
Lewis	David	Lumentum	Lumentum				
LI	Tobey	MediaTek	MediaTek				
Liu	Karen	Lightwave	Lightwave				
Lee	Bernard	Senko	Senko				
Lee	Sylvanus	Leviton	Leviton				
Lingle	Robert	OFS	OFS				
Maguire	Valerie	Siemon	Siemon				
Malicoat	David	Malicoat Networking Solutions	Senko Advanced Components	X	X	X	
Mark	Simon	Würth	Würth				
Martino	Kjersti	Inneos	Inneos	X	X	X	X
Marques	Flavio	Furukawa electric	Furukawa Electric				
Masuda	Takeo	OITDA/PETRA	OITDA/PETRA			X	X
Matheus	Kirsten	BMW	BMW				
McMillan	Larry	Western Digital	Western Digital				
Mueller	Harald	Endress + Hauser	Endress + Hauser			X	
Mueller	Thomas	Rosenberger	Rosenberger	X		X	
Murty	Ramana	Broadcom	Broadcom				X

Nakagawa	Hideki	AGC	AGC	X	X	X	X
Neuling	Christian	MD Elektronik	MD Elektronik			X	
New	Anthony	Prysmian Group	Prysmian Group			X	X
Nicholl	Gary	Cisco	Cisco		X	X	X
Nikolich	Paul	802 Chairman	802 Chairman		X	X	
Niihara	Yoshihiro	Fujikura	Fujikura	X		X	
Ogura	Ichiro	Petra	Petra	X	X	X	X
Omori	Kumi	NEC	NEC	X	X		
Ortiz	David	KDPOF	KDPOF				
Pandey	Sujan	Huawei	Huawei				
Pankert	Joseph	TRUMPF Photonic Components	TRUMPF Photonic Components				
Pardo	Carlos	KDPOF	KDPOF	X	X	X	X
Parsons	Earl	Commscope	Commscope				
Peng	Semmy	Huawei	Huawei		X	X	X
Pérez-Aranda	Rubén	KDPOF	KDPOF	X	X	X	X
Peteranderl	Ralf	Rosenberger	Rosenberger				
Petrarca	Ryan	TDK	TDK				
Pham	Phong	EastPoint	EastPoint				
Piehler	David	Dell	Dell				
Pimpinella	Rick	Panduit	Panduit	X			
Pinzón	Plinio	KDPOF	KDPOF				
Pitwon	Richard	Resolute Photonics	Resolute Photonics	X	X	X	X
Powell	William	Independent	Independent	X	X		
Preis	Roland	MD Elektronik	MD Elektronik	X	X	X	X
Regev	Alon	Keysight	Keysight	X	X	X	X
Reinhard	Michael	SEI Antech-Europe GmbH	SEI Antech-Europe GmbH	X		X	X
Ren	Hao	Huawei	Huawei	X			
Retting	Thomas	Beckhoff Automation	Beckhoff Automation				
Rush	Joshua	UNH-IOL	UNH-IOL				
Sambasivan	Sam	AT&T	AT&T	X		X	
Sakai	Toshiaki	Socionext	Socionext				
Savi	Olindo	Hubbell Incorporated	Hubbell Incorporated				
Sawano	Hiroshi	OITDA		X	X	X	X
Sayre	Edward	Samtec	Samtec				
Schmalzigaug	Thomas	HUBER+SUHNER	HUBER+SUHNER			X	X
Shukla	Priyank	Synopsys	Synopsys				
Shigematsu	Masayuki	Sumitomo Electric	Sumitomo Electric			X	X
Shiino	Masato	Furukawa Electric	Furukawa Electric	X	X	X	X
Shubochkin	Roman	OFS	OFS				
Shukla	Priyank	Synopsys	Synopsys				
Silvano de Sousa	Jonathan	GG-Group	GG-Group	X			
Simms	Bill	NVIDIA	NVIDIA	X	X	X	X
Sommers	Scott	Molex	Molex				
Su	Charles	Huawei	Huawei		X	X	X
Sun	Wensheng	Marvell	Marvell		X	X	X
Sun	Yi	OFS	OFS			X	X
Suzuki	Yasuo	KDPOF Japan	KDPOF	X	X	X	X
Swanson	Steve	Corning Inc.	Corning Inc.		X	X	X
Takahashi	Ryutaro	Senko	Senko				
Takahashi	Satoshi	POF Promotion	POF Promotion	X	X	X	X
Takahashi	Tadashi	Nitto Denko Corporation	Nitto Denko Corporation	X	X	X	X
Takayama	Kazuya	Nitto Denko Corporation	Nitto Denko Corporation	X	X	X	X
Tan	I-Hsing	Broadcom	Broadcom				
Tamada	Tomohiko	JAE	JAE				
Theuerkom	Thomas	Corning	Corning				
Theodoras	James	HG Genuine	HG Genuine				
Torres	Luisma	KDPOF	KDPOF	X	X	X	X

Tsujita	Yuichi	Nitto Denko Corporation	Nitto Denko Corporation	X	X	X	X
Tsuzaki	Nozomi	Independent	Independent	X	X	X	X
Ueno	Yuto	Sumitomo	Sumitomo	X	X		
Vanderlaan	Paul	UL LLC	UL LLC	X			
Von Vangerow	Christian	TE	TE				
Voss	Bob	Panduit	Panduit				
Walsh	Thomas	KDPOF	KDPOF	X		X	
Wang	Ruxou	Huawei	Huawei		X		
Wang	Haojie	CMCC	CMCC		X		X
WATANABE	Yuji	AGC	AGC	X	X	X	X
Wendt	Mattias	Signify	Signify				
Wienckowski	Natalie	General Motors	General Motors	X	X	X	X
Withey	James	Fluke	Fluke				
Wiesner	Michael	Trumpf	Trumpf				
Xu	Dayin	Rockwell Automation	Rockwell Automation				
Xu	Xing	Huawei	Huawei	X			
Yamada	Osamu	Yazaki	Yazaki				
Yang	Zhiping	Waymo	Waymo				
Yang	Yumeng	Huawei	Huawei	X			X
Yasui	Hideshi	AGC	AGC	X	X	X	X
Yonemura	Masatoshi	NITech	NITech				
Yonezawa	Kenji	AGC	AGC			X	X
Young	James	Commscope	Commscope	X		X	X
Yurtin	John	APTIV	APTIV	X		X	X
Zhang	Sen	Huawei	Huawei				
Zhang	Tingting	Huawei	Huawei			X	
Zhiwei	Yang	ZTE	ZTE				
Zhong	Qiwen	Huawei	Huawei				
Zhu	Liang	Marvell	Marvell				
Zhuang	Yan	Huawei	Huawei		X		

## Tuesday, 11th January 2021, 12:00 (noon) UTC

The meeting was called to order at approximately 12:00 UTC Tuesday 11th January 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/jan\\_2022/Agenda\\_3cz\\_01\\_0122.pdf](https://www.ieee802.org/3/cz/public/jan_2022/Agenda_3cz_01_0122.pdf)).

Mr. Grow presented the agenda for the meeting. Mr. Torres pointed out a minor typo in the date of the minutes to be approved. The agenda was fixed and approved by unanimous consent.

Mr. Grow presented the November plenary minutes and the 14 December TF interim minutes for approval. Mr. Torres showed a request to fix a typo in the wording of one straw poll in the 14 December TF interim minutes. The November plenary minutes and the fixed version of the 14 December TF interim minutes 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 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. Torres asked to present *Chief Editor's Report*  
([https://www.ieee802.org/3/cz/public/jan\\_2022/editor\\_3cz\\_01\\_0122.pdf](https://www.ieee802.org/3/cz/public/jan_2022/editor_3cz_01_0122.pdf)). This presentation is a summary of the received comments to P802.3cz/D1.2, and a proposed comment resolution roadmap for this interim meeting. The received comments have been classified into 22 buckets depending on their topic and impact on the specification, and ordered to speed up the comment resolution process. Two special buckets, called "EZ" and "Text improvement" have been created containing requests for fixing syntax, typos, or other text improvements. Mr. Torres moved to accept all suggested remedies in both buckets at the end of the comment resolution, including comments not discussed, unless a TF

participant requests to remove one from the bucket for discussion. Mr. Torres reminded that Mr. Grow asked in the reflector to discuss some of them, and that any TF participant can do the same. Two presentations have been received in support of comments #86 and #146.

Mr. Torres thanked the commenters and asked the TF participants to keep on commenting and improving the draft.

Mr. Torres noted that, due to the blocking situation regarding the PMD baseline, the resulting Draft after implementation of this comment resolution will not be technically complete, unless comment #173 is accepted, and test modes baseline is presented.

Mr. Torres asked to start with the P802.3cz/D1.2 comment resolution following the order in *Chief Editor's Report* ([https://www.ieee802.org/3/cz/public/jan\\_2022/editor\\_3cz\\_01\\_0122.pdf](https://www.ieee802.org/3/cz/public/jan_2022/editor_3cz_01_0122.pdf)). Buckets 1 through 12, with a total of 66 comments, were discussed and resolved. Mr. Pérez-de-Aranda asked to present *50GBASE-AU LFSR example* ([https://www.ieee802.org/3/cz/public/jan\\_2022/perezaranda\\_3cz\\_02\\_0122\\_LFSR.pdf](https://www.ieee802.org/3/cz/public/jan_2022/perezaranda_3cz_02_0122_LFSR.pdf)) in support of comment #86. The suggested remedy was approved.

Mr. Grow continued with the Agenda presentation ([https://www.ieee802.org/3/cz/public/jan\\_2022/Agenda\\_3cz\\_01\\_0122.pdf](https://www.ieee802.org/3/cz/public/jan_2022/Agenda_3cz_01_0122.pdf)), and informed that TF have four time slots, 11, 12, 18 and 19 January in the IEEE 802.3 January interim series to make the comment resolution of Draft 1.2. Mr. Grow proposed to have two TF interim meetings in February (1 and 15) depending on the outcome of the IEEE 802.3 January interim series. Mr. Grow also reminded that the IEEE 802 March plenary meeting will be virtual only, and that a meeting fee is required to attend.

Having exhausted the scheduled time, the meeting was recessed at approximately 13:52 UTC.

### **Wednesday, 12th January 2021, 12:00 (noon) UTC**

The meeting was called to order at approximately 12:00 UTC Wednesday 12th January 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/jan\\_2022/Agenda\\_3cz\\_01\\_0122.pdf](https://www.ieee802.org/3/cz/public/jan_2022/Agenda_3cz_01_0122.pdf)).

Mr. Grow presented the approved agenda for the meeting.

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

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. Law pointed out that the result is not look good to the WG, as the project is not progressing. Mr. Law also reminded that Mr. Grow has the duty as TF chair to make the project progress.

Mr. Torres asked to continue with the P802.3cz/D1.2 comment resolution following the order in *Chief Editor's Report* ([https://www.ieee802.org/3/cz/public/jan\\_2022/editor\\_3cz\\_01\\_0122.pdf](https://www.ieee802.org/3/cz/public/jan_2022/editor_3cz_01_0122.pdf)). Buckets 13 through 22, with a total of 20 comments, were discussed and resolved, including comments #2, #3, #4, #5 and #11 from the "EZ" bucket. Mr. Pérez-de-Aranda asked to present *PHY quality criterion RS-FEC Frame Error Ratio (RFER)* ([https://www.ieee802.org/3/cz/public/jan\\_2022/perezaranda\\_3cz\\_01\\_0122\\_RFER.pdf](https://www.ieee802.org/3/cz/public/jan_2022/perezaranda_3cz_01_0122_RFER.pdf)) in support of comment #146. The suggested remedy was approved.

Mr. Torres continue the comment resolution with bucket 22 (comment #173). The comment, submitted by Mr. Grow, stated the following:

"We have only had one PMD proposal that addresses all of our rate/reach objectives. This proposal is the most complete proposal, it is consistent with our PAR project scope and with our CSD responses. It also is supported with testing, simulations and strong peer review."

The suggested remedy is to merge swanson\_3cz\_02c\_030821\_AUTO\_MDI\_Baseline.pdf into the draft. Mr. Grow explained briefly that accepting this comment is a good way for P802.3cz to move forward. Mr. Torres proposed to accept the comment, and asked for any opposition.

Mr. Watanabe asked Mr. Torres to show swanson\_3cz\_02c\_030821\_AUTO\_MDI\_Baseline.pdf ([https://www.ieee802.org/3/cz/public/3\\_aug\\_2021/swanson\\_3cz\\_02c\\_030821\\_AUTO\\_MDI\\_Baseline.pdf](https://www.ieee802.org/3/cz/public/3_aug_2021/swanson_3cz_02c_030821_AUTO_MDI_Baseline.pdf)). After showing briefly the presentation, Mr. Watanabe opposed to accept comment #173.

Mr. Grow asked Mr. Torres to chair the meeting. Then, Mr. Grow move the following motion:

Motion #1:

Move to merge "swanson\_3cz\_02c\_030821\_AUTO\_MDI\_Baseline.pdf" into P802.3cz/D1.3 as per comment #173.

Ms. Wienckowski seconded the motion. The motion was identified as technical. Therefore, the percentage of Yes votes with respect to Yes + No votes shall be greater or equal to 75% to pass the motion.

The motion was discussed. Many participants spoke in favor of the motion. Mr. Watanabe spoke against because there was no consensus in the past on the PMD.

Ms. Haasz opened the Direct Live Vote application for voting. The voting result offered by the application was 19 Yes, 8 No and 4 Abstention. However, the number of 802.3 voters in the room was much higher than the number of votes registered. Ms. Haasz checked the voting report in the application and realized that not all the votes were registered.

Mr. Torres noted that the voting report was not valid to meet IEEE WG requirements to have a roll call vote recording the vote of each 802.3 voter who participated in the meeting.

Many participants asked people opposing the comment approval for a suggested remedy that may accommodate their concerns. No answer was received.

Mr. Watanabe asked to defer a new roll call voting until next session. A discussion started about Robert Rules, and if it is in order to vote the same motion in the same session. Mr. Law stated that it is perfectly in order when the motion is voted on again in another session, but noted that this is not the case for Motion #1, as there was no valid vote due to a technical problem with Direct Vote Live.

Due to lack of time, the Motion #1 roll call vote was deferred to next session, and the meeting was recessed at approximately 14:02 UTC.

## **Tuesday, 18th January 2021, 12:00 (noon) UTC**

The meeting was called to order at approximately 12:00 UTC Tuesday 18th January 2021  
Chaired by Luisma Torres, IEEE P802.3cz Task Force Secretary.

Mr. Torres asked Mr. Grow to present *Agenda and General Information* ([https://www.ieee802.org/3/cz/public/jan\\_2022/Agenda\\_3cz\\_01\\_0122.pdf](https://www.ieee802.org/3/cz/public/jan_2022/Agenda_3cz_01_0122.pdf)).

Mr. Torres reminded the TF participants that the current agenda item was "P802.3cz/D1.2 comment resolution", and that last TF meeting ended when discussing the response to comment #173, and that Motion #1 was made. Mr. Torres also reminded that there was a technical problem with DVL that prevented to count every vote as required by the IEEE WG Operations Manual.

Mr. Torres asked Mr. Grow to provide details about the DVL problem. Mr. Grow shared an exhaustive presentation describing the taxonomy of the bug, and the actions taken by Ms. Haasz, our IEEE Program Manager, to fix and test the problem. Several questions were made and Mr. Grow and Ms. Haasz provided answers.

Mr. Torres thanked Ms. Haasz and Mr. Grow their explanations and declared that the discussion on Motion #1 was open.

Several TF participants spoke in favor and against Motion #1. TF participants against Motion #1 supported their position under the rationale that it would be better for OEMs to have multiple PHY options. TF participants in favor reminded that 980nm OM3 PMD is the only PMD baseline proposed that fulfill TF objectives, PAR and CSD, and that alternative PMDs are in a different timeline.

Mr. Torres asked the 802.3 WG members with voting rights to vote Motion #1 using DVL. Mr. Torres showed how the 802.3 WG members can check that its vote is effectively taken into account before the Motion is closed in DVL. Mr. Torres asked the 802.3 members if any of them had experienced any problem with the tool. Nobody reported problems. Mr. Torres closed then the Motion for voting.

The result was as follows:

Motion #1:

Move to merge "swanson\_3cz\_02c\_030821\_AUTO\_MDI\_Baseline.pdf" into P802.3cz/D1.3 as per comment #173.

Technical ( $\geq 75\%$ )

Mover: Robert Grow

Seconder: Natalie Wienckowski

Yes: 37 No: 13 Abstain: 6

$(Y/(Y+N) = 74\%)$

Motion #1 Failed.

The following is the detailed rollcall vote:

<b>Attendee</b>	<b>Vote</b>
Alon Regev	Yes
Anthony New	Yes
Carlos Pardo	Yes
Changzheng Su	Abstain
Chisato Gomez	No
Christian Neulinger	Yes
David Law	Yes
David Malicoat	Yes
Fernando Barbero	Yes
German Feyh	Yes
Hans Lackner	Abstain
Haysam Kadry	Yes
Hideki Goto	No
Hideki Isono	No
Hideshi Yasui	No
Hiroshi Sawano	Abstain
Ichiro Ogura	No
James Young	Yes
Jamila Josip Borda	Yes
John Abbott	Yes
John D'Ambrosia	Yes
John Deandrea	Yes

John Kamino	Yes
Kazuya Takayama	No
Kenji Yonezawa	No
Kenneth Jackson	Yes
Kjersti Martino	Yes
Luis Torres	Yes
Manabu Kagami	Abstain
Masato Shiino	Yes
Masayuki Shigematsu	Abstain
Michael Reinhard	Abstain
Natalie Wienckowski	Yes
Nozomi Tsuzaki	No
Paul Nikolich	Yes
Robert Grow	Yes
Roger King	Yes
Roland Preis	Yes
Ruben Perez De Aranda Alonso	Yes
Sam Sambasivan	Yes
Sami Akin	Yes
Satoshi Takahashi	Yes
Semmy Peng	Yes
Shigeru Kobayashi	No
Steven Swanson	Yes
Tadashi Takahashi	No
Taiji Kondo	Yes
Takehiro Hayashi	Yes
Takeo Masuda	No
Vincent Ferretti	Yes
Wensheng Sun	Yes
Yasuhiro Hyakutake	Yes
Yasuo Suzuki	Yes
Yi Sun	Yes
Yuichi Tsujita	No
Yuji Watanabe	No

After showing the Motion #1 voting results, Mr. Torres asked to return chairing the meeting to Mr. Grow. Mr. Grow agreed to chair the meeting and appointed Mr. Torres as TF Secretary.

Mr. Grow asked Mr. Torres to continue with comment resolution of #173 and the rest of comments to P802.3/D1.2.

Mr. Torres asked TF participants that rejected comment #173 voting No in Motion #1 for an alternative text to include in the draft instead of the proposed 980nm OM3 PMD baseline. No one provided an alternative text.



A discussion about the text to be included as Response for comment #173 started. After several proposals, the following text was adopted:

"REJECT.

A motion to accept the suggested remedy to this comment was made in the TF and failed. 37 Yes 13 No (74%).

There is no consensus in the TF for a PMD baseline."

Mr. Torres continued with the P802.3cz/D1.2 comment resolution following the order in *Chief Editor's Report* ([https://www.ieee802.org/3/cz/public/jan\\_2022/editor\\_3cz\\_01\\_0122.pdf](https://www.ieee802.org/3/cz/public/jan_2022/editor_3cz_01_0122.pdf)). Comments #1, #8, #17 and #125 were taken out of the "Text improvement" bucket, discussed and agreed upon as requested in the TF reflector. Mr. Torres moved then Motion #2.

Motion #2:

Move to accept the suggested remedies for comments in the "Text Improvement" bucket.

(Technical  $\geq$  75%)

Mover: Luisma Torres

Seconder: Rubén Pérez-Aranda

Motion #2 passed by unanimous consent.

Mr. Torres stated that 802.3cz/D1.2 comment resolution had been completed.

Mr. Grow noted that he received two last minute presentations and asked TF participants if there were any objections to amend the agenda to include them. No one objected and the agenda was amended consequently.

Mr. Watanabe asked to present *Bandwidth of GI-POF in short length* ([https://www.ieee802.org/3/cz/public/jan\\_2022/watanabe\\_3cz\\_01\\_0122\\_Bandwidth\\_gipof\\_short\\_length.pdf](https://www.ieee802.org/3/cz/public/jan_2022/watanabe_3cz_01_0122_Bandwidth_gipof_short_length.pdf)). This presentation shows experimental bandwidth results for a GIPOF sample. Multiple questions about the availability of the fiber for independent measurements, launch conditions of the test, core diameter of the fiber, accuracy of frequency and time domain measurements among other were done, and Mr. Watanabe provided answers. Several TF participants raised the issue of the lack of commercially available GIPOF fiber samples to verify the test results.

Mr. D'Ambrossia asked Mr. Watanabe which PMD supports his presentation. Mr. Watanabe answered that his presentation supports BASE-AUS PMD. Mr. Ambrossia asked why the TF should hear a presentation that supports a PMD that does not meet all of the P802.3cz objectives, PAR and CSD. Mr. Law, Mr. Grow and other participants started a discussion about the "out-of-scope" rule that Mr. Grow stated in previous meetings.

Due to lack of time, the second presentation was deferred to next session, and the meeting was recessed at approximately 13:57 UTC.

### **Wednesday, 19th January 2021, 12:00 (noon) UTC**

The meeting was called to order at approximately 12:00 UTC Wednesday 19th January 2021  
Chaired by Robert M. Grow, IEEE P802.3cz Task Force Chair.

Mr. Grow presented *Agenda and General Information* ([https://www.ieee802.org/3/cz/public/jan\\_2022/Agenda\\_3cz\\_01\\_0122.pdf](https://www.ieee802.org/3/cz/public/jan_2022/Agenda_3cz_01_0122.pdf)).

Mr. Grow presented the approved agenda for the meeting.

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

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. Takayama asked to present *Bandwidth Property of GI-POF*

([https://www.ieee802.org/3/cz/public/jan\\_2022/takayama\\_3cz\\_01\\_0122\\_GIPOF\\_minEMBc.pdf](https://www.ieee802.org/3/cz/public/jan_2022/takayama_3cz_01_0122_GIPOF_minEMBc.pdf)).

This presentation shows results on bandwidth tests based on DMD measurements over GI-POF. Several questions regarding the fiber diameter, the ability of the fiber to be obtained in the market, the characteristics of the fiber, the definition of the test, the mode conditioner effect, the definition of bandwidth used, among others were made. Mr. Takayama provided answers.

Some participants pointed out that this presentation is in support of a PMD (BASE-AUS) that do not fulfill P802.3cz objectives, CSD and PAR.

Some participants asked when this BASE-AUS PMD proposal may be ready to be presented as baseline. No dates were presented. Other participants pointed that there are different timelines for different PMDs, and that this issue should be addressed by having different projects.

Mr. D'Ambrossia asked the TF to conduct the following Straw Poll:

Straw Poll #1:

I would support changing the objectives and CSD to include the -AUS

([https://www.ieee802.org/3/cz/public/31\\_aug\\_2021/watanabe\\_3cz\\_02a\\_310821\\_baseline\\_proposal\\_with\\_POF.pdf](https://www.ieee802.org/3/cz/public/31_aug_2021/watanabe_3cz_02a_310821_baseline_proposal_with_POF.pdf)) proposal with the understanding that this will delay the project by approximately 1 year

After discussion of the Straw Poll, Mr. Torres used WebEx Poll tool to collect votes:

Yes: 22

No: 28

The list of individual votes is as follows:

<b>Participant</b>	<b>Yes</b>	<b>No</b>
Steven E Swanson		X
Haysam M. Kadry - Ford		
German Feyh - Broadcom		
Jae-yong Chang [Keysight]		X
David Law [HPE]		X
Bob Grow		X
Yasuo Suzuki		X
Masato Shiino, FURUKAWA	X	
Tomohiro Kikuta, Adamant Namiki Precision Jewel Co., Ltd.	X	
Yasuhiro Hyakutake, Adamant Namiki Precision Jewel		X
Nobuyasu Araki YAZAKI	X	
Satoshi Takahashi POF Promotion	X	
Keisuke Kawahara, Furukawa Electric		
Kazuyoshi Kurashima, AGC	X	
Taiji Kondo [Independent]		X
kenji yonezawa AGC	X	
Yuichi Tsujita [Nitto Inc.]	X	
Ichiro Ogura PETRA	X	
Hideshi.Yasui, AGC	X	

Kazuya Takayama Nitto Denko Corp.		
Hideki Goto Toyota	X	
Shigeru Kobayashi, AIO Core		
Yuji Watanabe, AGC	X	
Hiroshi SAWANO, OITDA	X	
Hidenari Hirase AGC	X	
Takehiro Hayashi HAT Lab - independent	X	
Manabu Kagami - NITech	X	
Nozomi Tsuzaki, Independent	X	
Masayuki Shigematsu, Sumitomo Electric		
Hideki Isono Fujitsu Optical Components	X	
Yasuaki Kawatsu, APRESIA Systems		
Semmy Peng [Huawei]		
YI SUN - OFS		
Kjersti Martino - [Inneos]		X
Jodi Haasz IEEE SA		
Natalie Wienckowski [GM]		X
Chisato Gomez - Nitto, Inc.	X	
Tadashi Takahashi Nitto Denko Corporation	X	
Vince Ferretti [Corning]		X
John Kamino - OFS		X
Andy Jimenez [WESCO Anixer]		
John DeAndrea, II-VI/Finisar		
Thomas Schmalzigaug, HUBER+SUHNER		X
Markus Dittmann [KDPOF]		X
Roland Preis - MD-Elektronik GmbH		X
Ahmed GHARBA - Volvo Cars		
Richard Pitwon Resolute Photonics	X	
Jamila J. Borda-BMW		X
Rubén Pérez-Aranda, KDPOF		X
Carlos Pardo - KDPOF		X
Michael Reinhard - SEI Automotive Europe GmbH		
Sami Akin - VW AG		X
Erwin Koepfdoerfer		
James Young CommScope		X
John S Abbott Corning		X
Anthony New Prysmian Group		X
Gary Nicholl		X
John D'Ambrosia, Futurewei, US Subsidiary of Huawei		X
Mabud Choudhury OFS		
Douglas Harshbarger		X
Suresh Donthu		X
Bill Simms [NVIDIA]		X

wensheng sun[marvell]		X
Alon Regev Keysight Technologies		X
CHARLES SU/HUAWEI	X	
Ramana Murty	X	
david malicoat -Independent/Senko		X
Kishore Kota [Marvell]		
Haojie Wang [CMCC]		
Xiangrong Gao [huawei]		
David.Fan Huawei	X	

After some discussion on the results, Mr. Law noted that the TF is the errant child of the WG, and that the WG may take decisions to make the TF move forward.

Mr. Grow asked Mr. Torres to review the ToDo list.

Mr. Torres asked Mr. Takayama to update the expected dates for GIPOF related presentations. Mr. Takayama said that he cannot provide dates for remaining presentations. Several participants asked to remove GIPOF tasks from the ToDo list, as they are supporting a PMD that do not fulfill objectives, PAR and CSD, and no further dates were offered. No one objected, the tasks were removed, and the ToDo list was updated correspondently.

Mr. Torres asked Mr. Ogura to update the expected dates for 1310nm light source PMD presentations. Mr. Ogura provided new dates and the ToDo list was updated correspondently.

Mr. Grow asked to discuss the future TF meetings. Mr. Grow proposed to have meetings on 1 and 15 February, and these dates were adopted by the TF.

Having exhausted the scheduled time and items in the agenda, the meeting was recessed at approximately 14:03 UTC.

Recording secretary: Luisma Torres.