

Confirmed Meeting Minutes:

IEEE P802.3dh Multi-Gigabit Automotive Ethernet over Plastic Optical Fiber Task Force

Interim Meeting (Telephonic)

February 8<sup>th</sup>, 2023

Prepared by Kazuya Takayama

Wednesday, February 8<sup>th</sup>, 2023, 14:01 UTC

IEEE P802.3dh Multi-Gigabit Automotive Ethernet over Plastic Optical Fiber Task Force meeting convened by Yuji Watanabe, Task Force Chair.

**Attendance is listed in Appendix A**

**Administrative Matters:**

Mr. Watanabe called the meeting to order.

Mr. Watanabe displayed the agenda in [Agenda dh 01 2023 02 08.pdf](#)

Mr. Watanabe reviewed meeting agenda and asked any correction or modification needed.

No further modification/correction was asked.

**Agenda is approved.**

Mr. Takayama reviewed meeting minutes for January 18<sup>th</sup> Interim meeting.

([P802d3dh\\_minutes\\_20230118\\_w\\_attendee.pdf](#)).

Mr. Watanabe asked any correction or modification needed.

No further modification/correction was asked.

**Meeting minutes for January 18<sup>th</sup> Interim meeting is approved.**

Mr. Watanabe reviewed General Decorum and asked if anyone from the press was present.

**None responded.**

Mr. Watanabe reviewed Task Force Decorum.

**Goals for the meeting:**

Base line for PCS and PMA

**Big ticket items:**

- PCS/PMA/PMD
- Fiber characteristics in short length with inline connection

Mr. Watanabe reviewed the access to the reflector and website, Task Force Private Area, and ground rules for the meeting.

**IEEE Governance:**

Mr. Watanabe reviewed the IEEE structure for standards development and the bylaws and rules by which the Task Force is governed.

**IEEE Patent Policy, IEEE-SA copyright Policy:**

Mr. Watanabe read aloud the patent policy slides (agenda: p.14 - p.15).

At 14:08 UTC, Mr. Watanabe made the call for potentially essential patents.

**None responded.**

Mr. Watanabe read aloud other guidelines and patent related information (agenda: p.16 - p.17).

Mr. Watanabe read aloud the IEEE-SA copyright policy slides (agenda: p.19 – p.20).

Mr. Watanabe read aloud the IEEE-SA participation slides (agenda: p.21 – p.23).

**Project Status:**

Mr. Watanabe reviewed the IEEE 802.3 Standards process and where the Task Force was in the process and the process by which we will develop the standard.

Mr. Watanabe reviewed the Liaisons and Communications.

➤ To be established between OPEN Alliance TC7 (Multigig optical Ethernet for Automotive application)

Mr. Watanabe showed the location of the approved project documents for the Task Force and reviewed the objectives for the Task Force.

Mr. Watanabe showed the proposed timeline for Task Force.

**Presentations:**

Mr. Watanabe showed list of presentations to be presented in the meeting.

Mr. Watanabe then moved to the presentations for the meeting

Title: ***Non-Gaussian Impulse Response of GI-POF and the use of IEC 1.5dB extrapolated optical BW***

([abbott\\_3dh\\_01\\_2023\\_0118.pdf](#))

Presenter: **John S. Abbott, Corning Incorporated**

This contribution provided the information to estimate -3 dB bandwidth from -1.5 dB bandwidth. In the case of non-Gaussian pulse caused by the side pulse, the transfer function  $|H(f)|$  tends to have a “shelf”. Several questions and comments were made. Mr. Abbott provided answers.

Title: ***PCS & PMA proposal***

([perezaranda\\_3dh\\_01\\_230208\\_pcspma.pdf](#))

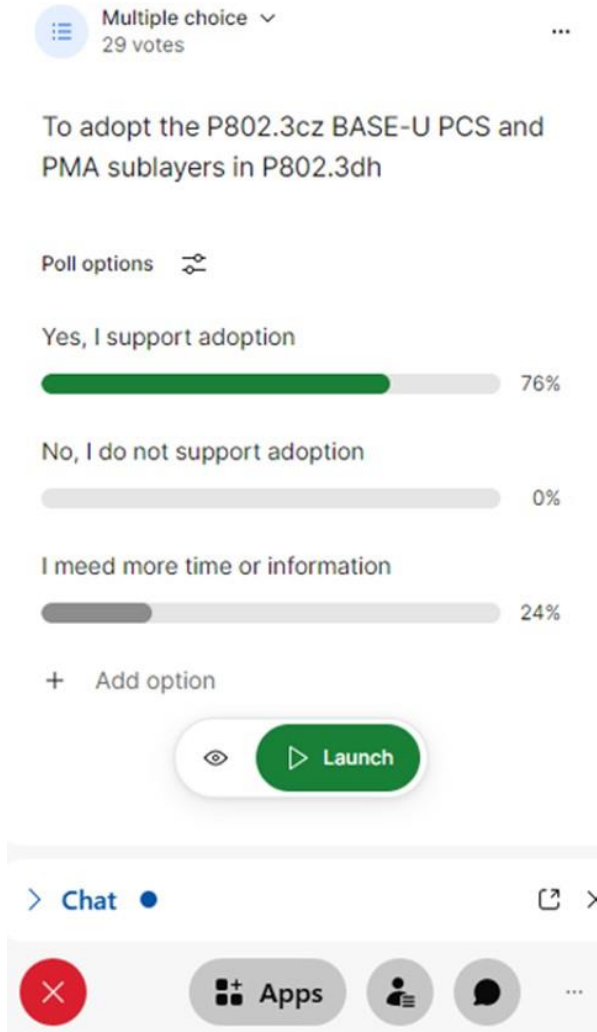
Presenter: **Rubén Pérez Aranda, KDPOF**

This contribution provided the information for BASE-U PCS & PMA to propose to adopt P802.3cz BASE-U PCS & PMA sublayers in P802.3dh.

Mr. Pérez Aranda proposed for the motion to adopt P802.3cz BASE-U PCS & PMA sublayers in P802.3dh.

There are comments that asking comments from expert and asking more time for consensus building in order to avoid the situation that P802.3cz had in SA-Ballot comment resolution phase.

Mr. Pérez Aranda then decided to make straw-poll to adopt P802.3cz BASE-U PCS & PMA sublayers in P802.3dh.



Total 29 votes were corrected.

Yes: 22 (76%)

No: 0 (0%)

Need more information: 7 (24%)

Based on the straw-poll results, Mr. Pérez Aranda proposed members to post questions and comments so that Mr. Pérez Aranda can provide the answers to build consensus.

Mr. Watanabe announced Mr. Takayama to take chair role tentatively for his presentation.

Title: ***Bandwidth in short length for A4j fiber***

([Watanabe 3dh 01 2023 02 08.pdf](#))

Presenter: **Yuji Watanabe, AGC Inc.**

This contribution provided the measurement results of optical -3dB bandwidth versus length relationship by using GI-POF (A4j). Several questions and comments were made. Mr. Watanabe provided answers.

Mr. Watanabe returned to chair position.

**Future Meetings:**

Mr. Watanabe proposed the next ad hoc meeting on Mar. 1<sup>st</sup>.

Mr. Watanabe announced that the next meeting will be converted to interim meeting if we do a motion to adopt BASE-U PCS & PMA sublayers in P802.3dh in the next meeting.

March 2023 [Plenary]

- March 13 -16, 2023, Hilton Atlanta, Atlanta GA

May 2023 [Interim]

- May 15 -18, 2023, Hilton Palacio del Rio Riverwalk, San Antonio, TX

July 2023 [Plenary]

- July 10 -13, 2023, Estrel Berlin, Berlin, Germany

Mr. Watanabe asked any other business to conduct or discussed. **None responded.**

The Task Force Interim meeting was adjourned at 15:35 UTC.

(Intentionally left blank below)

Appendix A: Attendees at the IEEE P802.3dh Task Force Interim meeting, February 8<sup>th</sup>, 2023.

<b>Name</b>	<b>Affiliation</b>
Abbott, John	Corning Incorporated
Araki, Nobuyasu	Yazaki Corporation
Feiter, Gangolf	CSC, ISO TC22/SC31/WG2 chair
Ferretti, Vincent	Corning Incorporated
Feyh, German	Broadcom Corporation
Gomez, Chisato	Nitto, Inc. (New Business Development Div.)
Goto, Hideki	Toyota Motor Corporation
Haasz, Jodi	IEEE SA
Harshbarger, Douglas	Corning Incorporated
Hayashi, Takehiro	HAT Lab., Inc.
Hirase, Hidenari	AGC
Hoser, Mirko	Coherent
Hozeska, Charles	Cernitin Solutions
Hyakutake, Yasuhiro	Orbray Co., Ltd.
Kagami, Manabu	Nagoya Institute of Technology (NITech)
Kawahara, Keisuke	Furukawa Electric
Kikuta, Tomohiro	Orbray Co., Ltd.
Koependoerfer, Erwin	LEONI Kabel GmbH
Kubota, Masaki	AGC
Lambert, Angie	Corning Incorporated
Mahlich, Matthias	Robert Bosch GmbH
Martino, Kjersti	Inneos
Murty, Ramana	Broadcom Corporation
Nakayama, Daiki	Sumitomo Electric Industries, LTD
Niihara, Yoshihiro	Fujikura Ltd.
Oi, Shigehiro	AGC
Pardo, Carlos	KDPOF
Perez De Aranda Alonso, Ruben	KDPOF
Peters, Kevin	Inneos
Shiino, Masato	FURUKAWA ELECTRIC
Steyer-Ege, Janik	Bosch
Takahashi, Satoshi	Self Employed
Takahashi, Tadashi	Nitto Denko Corporation
Takayama, Kazuya	Nitto Denko Corporation

Torres, Luis	Knowledge Development for Plastic Optical Fiber
Tsujita, Yuichi	Nitto, Inc.; New Business Development Division
Tsuzaki, Nozomi	Independent
Watanabe, Yuji	AGC

Total: 38 attendees