

Unconfirmed Meeting Minutes:

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

Plenary Meeting (Hybrid)

March 14<sup>th</sup> & 15<sup>th</sup>, 2023

Atlanta, GA, U.S.A.

Prepared by Kazuya Takayama

Tuesday, March 14<sup>th</sup>, 2023, 09:00 a.m.

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 03 14.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 February 8<sup>th</sup> Interim meeting.

([P802d3dh\\_minutes\\_20230301\\_w\\_attendee.pdf](#)).

Mr. Watanabe asked any correction or modification needed.

No further modification/correction was asked.

**Meeting minutes for February 8<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.

Mr. Watanabe reviewed meeting registration fee and informed the penalty for non-payment.

Mr. Watanabe reviewed Hybrid meeting practices.

**Goals for the meeting:**

- Start creating baseline text
- Call for volunteer for chief editor

**Big ticket items:**

- Selecting set of baseline proposals to satisfy project objectives

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.18 - p.19).

Mr. Watanabe read aloud other guidelines and patent related information (agenda: p.20 - p.21).

Mr. Watanabe read aloud the IEEE-SA copyright policy slides (agenda: p.23 – p.24).

Mr. Watanabe read aloud the IEEE-SA participation slides (agenda: p.25 – p.27).

At 09:19 a.m., Mr. Watanabe made the call for potentially essential patents.

**None responded.**

**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: ***PHY name proposal for 802.3dh***

([watanabe\\_3dh\\_01\\_2023\\_03\\_14.pdf](#))

Presenter: **Yuji Watanabe, AGC**

This contribution provided information to PHY naming rule and proposed for 802.3dh PHY name.

Several comments and questions are made. And, Mr. Watanabe provided answers.

- PMD will be different due to the sensitivity even if we use the same wavelength. L1 is better to be different from A.
- Proposal to remove 10G and 25G bit rate from objectives because the fiber has not been tested widely.

Title: **Baseline proposal for 802.3dh**

([watanabe\\_3dh\\_02\\_2023\\_03\\_14.pdf](#))

Presenter: **Yuji Watanabe, AGC**

This contribution proposed the 3dh baseline text structure such as modification of clause 166 because the differences are fiber only. Several comments and questions are made. Mr. Watanabe provided answers.

- Making new clause is recommended.
- EMBc at different connection and/or macro-bend needs to be tested due to the high mode coupling effect in the plastic optical fiber.
- Performance of plastic optical fiber at 980 nm are expected.

**Future Meetings:**

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

September 2023 [Plenary]

- September 11 -14, 2023, venue TBD

November 2023 [Plenary]

- November 13 -16, 2023, Oahu, Hawaii

Mr. Watanabe proposed ad hoc meeting scheduled on April 5th

Mr. Watanabe asked any other business to conduct or discussed.

There were comments for To Do List / Action item to decide and track the timeline

Mr. Watanabe decided to discuss To Do List item in tomorrow's session.

The group recessed for 22 hours and 45 minutes break at 10:15 a.m.

The group resumed at 9:00 a.m., Wednesday, March 15<sup>th</sup>

**To Do List:**

Mr. Watanabe reviewed To Do List

Questions of clarification were addressed.

In order to proceed the task identified by the Task Force, it is necessary to have information from ISO and IEC.

Mr. Watanabe asked volunteer to draft the liaison letter for these organizations.

Vince Ferretti volunteered for the liaison letter for IEC.

Martino Kjersti volunteered for the liaison letter for ISO.

Break at 10:07 a.m. Resumed at 10:30 a.m.

Draft liaison letter to ISO was reviewed by the Task Force.

**Motion #1**

Move that the IEEE P802.3dh Task Force approve:

[IEEE\\_802d3\\_to\\_TC22SC32WG10\\_0323\\_draft\\_Redacted.pdf](#) with editorial license granted to the Chair (or his appointed agent) as a liaison communication from the IEEE 802.3 Working Group to ISO TC 22/SC 32/WG/10.

Moved by Yuji Watanabe, Seconded by Vince Ferretti

**Passed by unanimous consent.**

Draft liaison letter to IEC was reviewed by the Task Force.

**Motion #2**

Move that the IEEE P802.3dh Task Force approve:

[IEEE\\_802d3\\_to\\_IEC\\_TC86\\_16\\_0323\\_draft\\_Redacted.pdf](#) with editorial license granted to the Chair (or his appointed agent) as a liaison communication from the IEEE 802.3 Working Group to IEC TC86/SC86A/WG1.

Moved by Vince Ferretti, Seconded by Haysam Kadry

**Passed by unanimous consent.**

Mr. Watanabe reviewed To Do List for further addition/correction of tasks.

Mr. Watanabe announced that the next ad hoc meeting schedule will be noticed by the reflector.

Mr. Watanabe asked any other business to conduct or discussed.

**None responded.**

The Task Force plenary meeting was adjourned at 11:20 a.m.

(Intentionally left blank below)

Appendix A: Attendees at the IEEE P802.3dh Task Force Plenary meeting, March 14<sup>th</sup> & 15<sup>th</sup>, 2023.

<b>Name</b>	<b>Affiliation</b>	<b>2023/3/14</b>	<b>2023/3/15</b>
Abbott, John	Corning Incorporated	X	X
Alwishah, Abbas	Molex Incorporated		X
Araki, Nobuyasu	Yazaki Corporation	X	X
Borda, Jamila Josip	BMW Group	X	X
Boyer, Rich	Aptiv Signal and Power Solutions		X
Brillhart, Theodore	Fluke Corporation	X	X
Cai, Yuefeng	Huawei Technologies	X	
Catherine, Berger		X	
Chang, Jae-yong	Keysight	X	X
Choudhury, Mabud	OFS	X	
Donthu, Suresh	Corning Incorporated	X	
Feiter, Gangolf	CSC, ISO TC22/SC31/WG2 chair		X
Fellhauer, Felix	Robert Bosch GmbH		X
Ferretti, Vincent	Corning Incorporated	X	X
Feyh, German	Broadcom Corporation	X	X
Fukushima, Takahito	Dexerials Corporation	X	X
Gerl, Markus	MD Elektronik		X
Glanzner, Martin	SEI Automotive Europe GmbH	X	X
Gomez, Chisato	Nitto, Inc. (New Business Development Div.)	X	X
Goto, Hideki	Toyota Motor Corporation	X	X
Haasz, Jodi	IEEE SA	X	X
Harshbarger, Douglas	Corning Incorporated	X	X
Hayashi, Takehiro	HAT Lab., Inc.	X	
Heiko, Strohmeier	Bosch	X	X
Hirase, Hidenari	AGC	X	X
Hoshino, Masayuki	Continental		X
Hozeska, Charles	Cernitin Solutions		X
Hyakutake, Yasuhiro	Orbray Co., Ltd.	X	X
Ian, Barbour		X	
Kadry, Haysam	Molex Incorporated		X
Kagami, Manabu	Nagoya Institute of Technology (NITech)	X	X
Kawahara, Keisuke	Furukawa Electric		X
Kelkkanen, Andre	NVIDIA		X
Kikuta, Tomohiro	Orbray Co., Ltd.	X	X

Kurashima, Kazuyoshi	AGC	X	X
Law, David	Hewlett Packard Enterprise		X
Martino, Kjersti	Inneos	X	X
Mueller, Thomas	Rosenberger	X	X
Murty, Ramana	Broadcom Corporation	X	
Nakayama, Daiki	Sumitomo Electric Industries, LTD	X	X
Neulinger, Christian	MD Elektronik		X
Niihara, Yoshihiro	Fujikura Ltd.	X	X
Oi, Shigehiro	AGC	X	X
Pardo, Carlos	KDPOF	X	X
Patel, Harsh	Amphenol CS	X	X
Perez De Aranda Alonso, Ruben	KDPOF	X	X
Peters, Kevin	Inneos	X	X
Shiino, Masato	FURUKAWA ELECTRIC	X	X
Steyer-Ege, Janik	Bosch	X	X
Takahashi, Satoshi	Self Employed	X	X
Takahashi, Tadashi	Nitto Denko Corporation	X	X
Takayama, Kazuya	Nitto Denko Corporation	X	X
Torres, Luis	Knowledge Development for Plastic Optical Fiber	X	X
Tsujita, Yuichi	Nitto, Inc.; New Business Development Division	X	X
Tsuzaki, Nozomi	Independent	X	X
Watanabe, Yuji	AGC	X	X
Wienckowski, Natalie	General Motors Company		X
Zhang, Tingting	Huawei Technologies Co., Ltd		X
	total attendees	44	51