

Confirmed Meeting Minutes:

IEEE P802.3dh Multi-Gigabit Automotive Ethernet over Plastic Optical Fiber Task Force
ad hoc Meeting (Teleconference)

September 27th, 2023

Prepared by Kazuya Takayama

Wednesday, September 27th, 2023, 14:02 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 reviewed General Decorum and asked if anyone from the press was present.

None responded at 14:03 UTC

Mr. Watanabe reviewed Teleconference Decorum.

Mr. Watanabe displayed the agenda in [Agenda dh 01 2023 9 27.pdf](#)

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

No further modification/correction was asked.

No objection was made.

Agenda is approved at 14:04 UTC by unanimous consent.

Mr. Takayama reviewed meeting minutes for September 13th Interim meeting.

([P802d3dh_minutes_20230913_w_attendee.pdf](#)).

Mr. Watanabe asked any correction or modification needed.

No further correction or modification was asked.

Meeting minutes for September 13th Interim meeting was approved at 14:08 UTC

Goals for the meeting:

- Revise action items to move forward.

Big ticket items:

- Clear action item list to create Draft 1.0
- Frequency response under environmental and in-line 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 briefly 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 briefly reviewed the patent policy slides (agenda: p.13 - p.14).

Mr. Watanabe briefly reviewed other guidelines and patent related information (agenda: p.15 - p.16).

Mr. Watanabe briefly reviewed the IEEE-SA copyright policy slides (agenda: p.18 – p.19).

Mr. Watanabe briefly reviewed the IEEE-SA participation slides (agenda: p.20 – p.22).

At 14:10 UTC, Mr. Watanabe made the call for potentially essential patents.

None responded.

Project Status:

Mr. Watanabe briefly 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.

Liaisons and Communications:

No letters for this meeting.

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

Recall Questions on contributions on September 13th

Due to the short review time for these contributions in the September Interim, Mr. Watanabe reserved time for questions.

Mr. Pérez-Aranda made several comments, such as overviews, for these presentations.

Questions for Presentation #1

Title: *High Bandwidth GI-POF*

([Takayama 3dh 01b 2023 09 13.pdf](#))

Mr. Watanabe briefly reviewed contribution material.

Several comments and questions are made. Mr. Pérez-Aranda asked availability of DMD measurement data. Mr. Takayama answered that it is not so soon because DMD measurement require special light source and high speed detector.

Presentation #2

Title: *Vibration test result of butt jointed GI-POF*

([Araki 3dh 01 2023 09 13.pdf](#))

Mr. Watanabe briefly reviewed contribution material.

Several comments and questions are made. Mr. Watanabe provided answer on behalf of Dr. Sugihara. Mr. Pérez-Aranda commented that if DMD measurement is not applicable for GI-POF, proper bandwidth measurement method needs to be developed.

Presentation #3

Title: **25 Gb/s transmission over harsh environment automotive grade GI-POF**

([Hirose 3dh 01a 2023 09 13.pdf](#))

Mr. Watanabe briefly reviewed contribution material.

Several comments and questions are made. Mr. Hirose provided answers.

“Automotive grade” means that optical properties are stable at 105 degC.

Presentation #4

Title: **Optical characteristics of automotive grade plastic optical fiber**

([Sugihara 3dh 01 2023 09 13.pdf](#))

Mr. Watanabe briefly reviewed contribution material.

Several comments and questions are made. Mr. Watanabe provided answer on behalf of Dr. Sugihara.

Action Items:

Mr. Watanabe showed To Do List ([P802 3dh to-do 20230927.xlsx](#)).

Mr. Pérez-Aranda asked numbers of samples to be measured for frequency measurement. Mr. Watanabe answered that as many samples as possible will be measured.

Timeline:

Mr. Watanabe showed the proposed timeline for Task Force.

Ms. Lambert commented that she has concerns in timeline.

Future Meetings:

ad-hoc meeting is scheduled on October 18th 14:00 UTC.

November 2023 [Plenary]

- November 13 -16, 2023, Honolulu, HI

January 2024 [Interim]

- January 22 -25, 2024, St. Petersburg, FL

March 2024 [Plenary]

- March 11 -14, 2024, Denver, Colorado

May 2024 [Interim]

- May 13 -16, 2024, Venue TBD

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

The Task Force Interim meeting was adjourned at 15:25 UTC

Appendix A: Attendees at the IEEE P802.3dh Task Force Interim meeting, September 27th, 2023.

Name	Affiliation
Goto, Hideki	Toyota Motor Corporation
Haasz, Jodi	IEEE SA
Harshbarger, Douglas	Corning Incorporated
Hayashi, Takehiro	HAT Lab., Inc.
Hirase, Hidenari	AGC
Hirose, Takeshi	AGC Inc.
Hozeska, Charles	Cernitin Solutions
Hyakutake, Yasuhiro	Orbray Co., Ltd.
Kagami, Manabu	Nagoya Institute of Technology (NITech)
Kikuta, Tomohiro	Orbray Co., Ltd.
Kurashima, Kazuyoshi	AGC
Lambert, Angela	Corning Incorporated
Mahlich, Matthias	Robert Bosch GmbH
Martino, Kjersti	Inneos
Nakayama, Daiki	Sumitomo Electric Industries, LTD
Niihara, Yoshihiro	Fujikura Ltd.
Pardo, Carlos	KDPOF
Pérez-Aranda, Rubén	KDPOF
Taguchi, Noritaka	YAZAKI
Takahashi, Satoshi	Self Employed
Takayama, Kazuya	Nitto Denko Corporation
Torres, Luis	Knowledge Development for Plastic Optical Fiber
Tsujita, Yuichi	Nitto, Inc.; New Business Development Division
Watanabe, Yuji	AGC

Total: 24 attendees