

Confirmed Meeting Minutes:

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

Interim Meeting (Hybrid)

September 13th, 2023

Campinas, Brazil

Prepared by Kazuya Takayama

Wednesday, September 13th, 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

Attendance is recorded by IMAT.

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 09:02 a.m.

Mr. Watanabe reviewed In-Person Decorum and Teleconference Decorum.

Mr. Watanabe displayed the agenda in [Agenda dh 02 2023 9 13.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 09:03 a.m. by unanimous consent.

Mr. Takayama reviewed meeting minutes for July 12th Plenary meeting.

([P802d3dh_minutes_20230712_w_attendee.pdf](#)).

Mr. Watanabe asked any correction or modification needed.

No further correction or modification was asked.

Meeting minutes for July 12th Plenary meeting was approved at 09:07 a.m.

Goals for the meeting:

- Following up action list

Big ticket items:

- Samples
- Clear action item list to create Draft 1.0

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.15 - p.16).

Mr. Watanabe read aloud other guidelines and patent related information (agenda: p.17 - p.18).

Mr. Watanabe read aloud the IEEE-SA copyright policy slides (agenda: p.20 – p.21).

Mr. Watanabe read aloud the IEEE-SA participation slides (agenda: p.22 – p.24).

At 09:17 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.

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.

Presentations:

Mr. Watanabe showed presentation list.

Mr. Harshbarger commented that presentations were not posted with sufficient time for review.

Mr. Harshbarger requested motion to accept late presentation.

Motion #1

Move to accept late presentation

Moved by Douglas Harshbarger

Seconded by Steve Carlson

(>50% required, procedural)

Y: 22, N: 1, A: 4 (95.7%)

Motion passed at 9:56 a.m.

IEEE SA
STANDARDS ASSOCIATION

IEEE 802.3dh September Interim meeting - Motions (Registration required) 13 September 2023 Welcome, Kazuya Takayama

Motion #1

Vote for one

Yes	22	81.5%
Abstain	4	14.8%
No	1	3.7%
Valid	27	
Unexercised	1	
Total	28	

Voters	28
View-only Attendees	0
Non-Voters	4
Total	32

[Return to Menu](#)

[Privacy Policy](#)
[Support](#)
[Leave Meeting](#)

POWERED BY **SBS**

Presentation #1

Title: **High Bandwidth GI-POF**

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

Presenter: **Kazuya Takayama, Nitto Denko Corp.**

This contribution provided information for bandwidth, bend loss and attenuation information.

Several questions, such as core size and high temperature test, were made. Mr. Takayama provided answers.

Presentation #2

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

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

Presenter: **Okihiro Sugihara, Utsunomiya Univ.**

This contribution provided information for vibration test result for A4i fiber.

Several questions, such as fiber butting condition, were made. Mr. Sugihara provided answers.

Presentation #3

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

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

Presenter: **Takeshi Hirose, AGC Inc.**

This contribution provided information for attenuation and frequency response of GI-POF (A4j) under harsh condition, such as -40 degC, 105 degC, and macro bending. Many questions, such as frequency response range and temperature cycle test, were made. Mr. Hirose provided answers.

Presentation #4

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

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

Presenter: **Okihiro Sugihara, Utsunomiya Univ.**

This contribution provided information for attenuation, bandwidth, temperature test of automotive grade GI-POF, with 80 um core size. Several questions, such as mode excitation of fiber and temperature cycle test, were made. Mr. Sugihara provided answers.

Mr. Pardo commented about fiber for test because 4 different types of fibers were presented today.

Action Items:

Mr. Watanabe showed To Do List ([P802 3dh to-do 20230913.xlsx](#)).

Mr. Carlson commented that ad-hoc meeting needs to be held as many times as possible to make this TF move forward.

Timeline:

Mr. Watanabe showed the proposed timeline for Task Force.

Mr. Carlson commented that TF needs to make decision for Go / No Go in November Plenary.

Mr. Ferretti made comment that IEC progress is also important.

Future Meetings:

ad-hoc meeting is scheduled on September 27th UTC 14:00 and will be held weekly.

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 12:47p.m.

(Intentionally left blank below)

Appendix A: Attendees at the IEEE P802.3dh Task Force Interim meeting, September 13th, 2023.

Name	Affiliation
Aguayo, Gustavo	Molex Incorporated
Araki, Nobuyasu	Yazaki Corporation
Arndt, Christoph	Continental Automotive Technologies GmbH
Boyer, Rich	Aptiv Signal and Power Solutions
Carlson, Steve	HSD, Robert Bosch GmbH, Ethernovia
Choudhury, Mabud	OFS
Ferretti, Vincent	Corning Incorporated
Goto, Hideki	Toyota Motor Corporation
Haasz, Jodi	IEEE SA
Harshbarger, Douglas	Corning Incorporated
Hayashi, Takehiro	HAT Lab., Inc.
Heiko, Strohmeier	Bosch
Hirase, Hidenari	AGC
Hirose, Takeshi	AGC Inc.
Hoshino, Masayuki	Continental
Hozeska, Charles	Cernitin Solutions
Hyakutake, Yasuhiro	Orbray Co., Ltd.
Kadry, Haysam	Molex Incorporated
Kagami, Manabu	Nagoya Institute of Technology (NITech)
Kaseda, Yugo	Nitto Denko Corporation
Kikuta, Tomohiro	Orbray Co., Ltd.
Klein, Christian	Robert Bosch GmbH
Kurashima, Kazuyoshi	AGC
Law, David	Hewlett Packard Enterprise
Martino, Kjersti	Inneos
Matheus, Kirsten	BMW Group
Murty, Ramana	Broadcom Corporation
Nakayama, Daiki	Sumitomo Electric Industries, LTD
Neulinger, Christian	MD Elektronik
Niihara, Yoshihiro	Fujikura Ltd.
Oi, Shigehiro	AGC
Pardo, Carlos	KDPOF
Reinhard, Michael	SEI Automotive Europe GmbH
Shiino, Masato	FURUKAWA ELECTRIC

Steyer-Ege, Janik	Bosch
Sugihara, Okihiro	Utsunomiya Univ.
Takahashi, Satoshi	Self Employed
Takayama, Kazuya	Nitto Denko Corporation
Tanaka, Yuhei	Nitto Denko Corporation
Torres, Luis	Knowledge Development for Plastic Optical Fiber
Tsujita, Yuichi	Nitto, Inc.; New Business Development Division
Tsuzaki, Nozomi	Independent
Wang, Shun-Sheng	Realtek
Watanabe, Yuji	AGC
Wienckowski, Natalie	General Motors Company

Total: 45 attendees