

## **Meeting Minutes: Joint meeting of the IEEE P802.3da and P802.3dg Task Forces**

20 - 22 January 2025 Hybrid Interim meetings  
Prepared by Peter Jones(802.3da) & Bob Voss(802.3dg)  
All times in MST

The IEEE P802.3da/P802.3dg Task Force meeting was convened at 8:02 am 20 January 2025 by the Task Force chairs, Chad Jones and George Zimmerman. Mr Jones presented the front matter slides.

The meeting was held in person and electronically. Attendance is listed in Appendix A (as a joint session).

All presentations referenced in these minutes are located on the Task Force Meeting Materials site under the public pages for these meetings:

<https://www.ieee802.org/3/da/public/0125/index.html>

Mr Jones displayed and proceeded to review the joint agenda in [https://www.ieee802.org/3/da/public/0125/8023dadg\\_agenda\\_0125.pdf](https://www.ieee802.org/3/da/public/0125/8023dadg_agenda_0125.pdf) .

The agenda was approved at 8:05 am by unanimous consent as modified.

At 8:07am the following minutes were approved by unanimous consent:

DA/DG joint meeting November 2024:

[https://www.ieee802.org/3/dg/public/May\\_2024/Unconfirmed\\_minutes\\_3dadg\\_11132024.pdf](https://www.ieee802.org/3/dg/public/May_2024/Unconfirmed_minutes_3dadg_11132024.pdf)

[https://www.ieee802.org/3/da/public/1124/spmd\\_TF\\_minutes\\_00\\_1124.pdf](https://www.ieee802.org/3/da/public/1124/spmd_TF_minutes_00_1124.pdf)

DG adhoc:

[https://www.ieee802.org/3/dg/public/May\\_2024/Unconfirmed\\_minutes\\_3dg\\_12182024.pdf](https://www.ieee802.org/3/dg/public/May_2024/Unconfirmed_minutes_3dg_12182024.pdf)

[https://www.ieee802.org/3/dg/public/May\\_2024/Unconfirmed\\_minutes\\_3dg\\_01152025.pdf](https://www.ieee802.org/3/dg/public/May_2024/Unconfirmed_minutes_3dg_01152025.pdf)

power adhoc:

[https://www.ieee802.org/3/dg/public/May\\_2024/Unconfirmed\\_minutes\\_3dg\\_10242024.pdf](https://www.ieee802.org/3/dg/public/May_2024/Unconfirmed_minutes_3dg_10242024.pdf)

**Members of the Press**, Mr Jones asked for any press members to identify themselves. None heard.

## Goals for the Meeting

### P802.3da

- Progress through WG ballot to prepare for SA ballot
- Hear technical proposals in preparation for the Interim meeting next week

### P802.3dg

- Adopt baselines to fill out d1.0 PCS baselines
- Progress PMA training – adopt/refine baselines
- Progress powering discussion – consider what fits into 802.3dg

**Attendance**, Mr Jones advised the group that the attendance would be taken from Webex and IMAT.

Mr Jones resumed review of the agenda deck, including the following items:

- The participation policy
- The IEEE SA Copyright Policy
- The IEEE SA policy on dominance
- The IEEE SA Standards process.

There were no questions.

**IEEE SA Patent Policy**, Mr Jones read aloud the patent slides. The call for patents was made at 8:17am and none responded.

Mr Jones resumed review of the agenda deck material after the call for patents.

**Mr Jones completed review of the agenda deck at 8:22am.**

Mr Jones moved on to the 802.3da work of the meeting. Unless otherwise stated, all presentations included Q&A, followed by comment resolution (if appropriate).

**802.3da Comment Resolution** began at 8:22am led by Mr Zimmerman

All drafts and comment files are available at

<https://www.ieee802.org/3/da/comments/index.html>.

The following presentations and documents were reviewed during comment resolution:

Comments #148, #150 PLCA/D-PLCA Variable Ranges

(Presented by Tim Baggett, Microchip)

- [https://www.ieee802.org/3/da/public/0125/Baggett\\_3da\\_Cmts148\\_150\\_plca\\_variable\\_ranges\\_v01.pdf](https://www.ieee802.org/3/da/public/0125/Baggett_3da_Cmts148_150_plca_variable_ranges_v01.pdf)
- Presentation began at 9:01am.

Comment 299

(Presented by Brett McClellan, Marvell)

- [https://www.ieee802.org/3/da/public/0125/mcclellan\\_3da\\_01\\_0125\\_comment\\_299.pdf](https://www.ieee802.org/3/da/public/0125/mcclellan_3da_01_0125_comment_299.pdf)
- Presentation began at 9:37am.

**Meeting break at 10:08am, will resume at 10:25am.**

**Meeting resumed at 10:27am.**

Mr Jones shared the private area access information for both P802.3da and P802.3dg, then comment resolution resumed.

The following presentations and documents were reviewed during comment resolution:

Isolation Improvements

(Presented by Jason Potterf, Cisco Systems)

- [https://www.ieee802.org/3/da/public/011425/SPMD\\_Potterf\\_Isolation\\_Improvements\\_2025-01-08.pdf](https://www.ieee802.org/3/da/public/011425/SPMD_Potterf_Isolation_Improvements_2025-01-08.pdf)
- Presentation began at 11:02am.

**Meeting recessed at 12:15pm, will resume at 3:30pm.**

**Meeting resumed at 3:30pm continuing with 802.3da comment resolution.**

**802.3da Comment Resolution resumes at 3:33pm, led by Mr Zimmerman.**

The following presentations and documents were reviewed during comment resolution:

Comment 317

(Presented by Stephan Schreiner, Rosenberger)

- [https://www.ieee802.org/3/da/public/0125/schreiner\\_3da\\_Jan\\_25.pdf](https://www.ieee802.org/3/da/public/0125/schreiner_3da_Jan_25.pdf)
- Presentation began at 3:35pm.

Optimized Power Coupling Inductance

(Presented by Michael Paul, Analog Devices)

- [https://www.ieee802.org/3/da/public/011425/paul\\_da\\_01\\_20240120\\_v0.pdf](https://www.ieee802.org/3/da/public/011425/paul_da_01_20240120_v0.pdf)
- Presentation began at 4:02pm.

LLDP for MPoE

(Presented by Peter Jones, Cisco Systems)

- [https://www.ieee802.org/3/da/public/011425/jones\\_3da\\_01\\_lldp\\_mpoe.pdf](https://www.ieee802.org/3/da/public/011425/jones_3da_01_lldp_mpoe.pdf)
- [https://www.ieee802.org/3/da/public/011425/jones\\_3da\\_01\\_lldp\\_mpoe\\_proposal.pdf](https://www.ieee802.org/3/da/public/011425/jones_3da_01_lldp_mpoe_proposal.pdf)
- Presentation began at 4:20pm.

Comment 242

(Presented by Peter Jones, Cisco Systems)

- [https://www.ieee802.org/3/da/public/011425/jones\\_3da\\_02a\\_242\\_alternate\\_resolution.pdf](https://www.ieee802.org/3/da/public/011425/jones_3da_02a_242_alternate_resolution.pdf)
- Presentation began at 5:10pm.

PD Load Transient Test

(Presented by Jason Potterf, Cisco Systems)

- [https://www.ieee802.org/3/da/public/011425/SPMD\\_Potterf\\_PD\\_Load\\_Transient\\_Test\\_2025-01-08.pdf](https://www.ieee802.org/3/da/public/011425/SPMD_Potterf_PD_Load_Transient_Test_2025-01-08.pdf)
- Presentation began at 5:17pm.

**Meeting recessed at 5:29pm, will resume on 21 January at 8:00am with 802.3dg. 802.3da will resume when 802.3dg completes its work and/or recesses.**

**21 January 2025**

**At 8:03AM, 21Jan2025, Mr. Zimmerman, chair of the 802.3dg task force, called the 802.3dg portion of the joint task force meeting to order.**

Bob Voss assumed the role of secretary for the 802.3dg Task Force.

The chair reviewed the introductory slides with the group.

Members of the Press asked to identify themselves at 8:05AM. None heard.

**Attendance**, the Chair advised the group that the attendance would be taken from IMAT and from Webex. The Chair resumed review of the agenda deck, including the following items – a review of the participation policy, a review of the IEEE copyright policy, a review of the IEEE policy on dominance, and a review of the IEEE Standards process. There were no questions.

**Call for Patents was made at 8:10AM. None heard.**

The Chair resumed review of the agenda deck material after the call for patents.

At 8:12AM, the chair reviewed the slides concerning IEEE SA Copyright policy, participant behavior, individual process, fair and equitable consideration, and position of this project in the IEEE 802.3 process.

### **Discussion and Presentations**

Presentation: Editor's Report

Presented by: Yan Zhuang, Huawei Technologies

URL: [https://www.ieee802.org/3/dg/public/May\\_2024/zhuang\\_3dg\\_01\\_0125.pdf](https://www.ieee802.org/3/dg/public/May_2024/zhuang_3dg_01_0125.pdf)

Presentation began at 8:15AM. At 8:29 AM, discussion and questions regarding presentation were heard.

The chair announced an electronic interim meeting on Wednesday 05Feb2025 from 7am to 9am PT.

At 8:37AM, the chair paused the meeting for members to their attendance into IMAT.

Presentation: Proposal for Training and PHY Control State Diagram for 100BASE-T1L

Presented by: Brian Murray, Analog Devices

URL: [https://www.ieee802.org/3/dg/public/May\\_2024/Curran\\_3dg\\_01a\\_01202025.pdf](https://www.ieee802.org/3/dg/public/May_2024/Curran_3dg_01a_01202025.pdf)

Presented started 8:40AM, questions and discussion began at 9:31AM.

### **Morning break from 10:02AM to 10:22AM**

Presentation: Proposal for PMA training frame, scrambler, and 4B6B coding

Presented by: Tingting Zhang, Huawei Technologies

URL: [https://www.ieee802.org/3/dg/public/May\\_2024/Tingting\\_3dg\\_01\\_01212025.pdf](https://www.ieee802.org/3/dg/public/May_2024/Tingting_3dg_01_01212025.pdf)

Presentation started at 10:23AM, questions and discussion began at 10:30AM

At 10:36AM, Mr. Zimmerman reminded the task force to sign into IMAT to log attendance for the AM2 time slot.

Presentation: Further Consideration for PHY Control

Presented by: Tingting Zhang, Huawei Technologies

URL: [https://www.ieee802.org/3/dg/public/May\\_2024/Tingting\\_3dg\\_02\\_01212025.pdf](https://www.ieee802.org/3/dg/public/May_2024/Tingting_3dg_02_01212025.pdf)

Presentation started at 10:38AM, questions and discussion began at 11:05AM

### **Straw Polls and Motions**

At 11:59AM the task force considered straw polls and motions.

#### **Straw Poll #1**

I support (choose one, please don't abstain)

- Moving forward with the approach presented by Brian = 25
- Moving forward with the approach presented by Tingting = 4
- Moving forward with either = 5
- Spend more time studying training = 4

#### **Straw Poll #2**

I would support adopting slides 4 to 6 of Tingting\_3dg\_01\_01212025.pdf

- Y = 5
- N = 17

A = 16

**Motion #1**

Move that the IEEE P802.3dg Task Force adopt slides 2 to 40 of Curran\_3dg\_01\_01202025.pdf

M: Brian Murray

S: Jon Lewis

Technical (>= 75%)

Y = 27

N = 0

A = 6

Motion passes

The chair asked if there were any more motions or business for the task force to consider. None heard.

At 1215PM, the P802.3dg Task Force recessed for lunch.

**Meeting resumed at 1:17pm 21 January 2025 by the 802.3da chair, Chad Jones, continuing with the 802.3da agenda.**

Mr Peter Jones resumed the role of secretary for the 802.3da Task Force.

**Comment Resolution resumed at 1:18pm**

Comment Resolution was led by Mr Zimmerman. All drafts and comment files are available at <https://www.ieee802.org/3/da/comments/index.html>.

**Meeting break at 3:24 pm**

**Meeting resumes at 3:43 pm**

**Meeting recessed at 5:25pm and will resume on 22 January at 8:00am.**

**22 January 2025**

Meeting resumed at 8:01am 22 January 2025.

**Comment Resolution resumed at 8:03am**

Comment Resolution was led by Mr Zimmerman. All drafts and comment files are available at <https://www.ieee802.org/3/da/comments/index.html>.

Presentations heard during Comment Resolution.

Optimized Power Coupling Inductance  
(Presented by Michael Paul, Analog Devices)

- [https://www.ieee802.org/3/da/public/011425/paul\\_da\\_01\\_20240120\\_v2.pdf](https://www.ieee802.org/3/da/public/011425/paul_da_01_20240120_v2.pdf)
- Presentation began at 8:15am.

MPoE Discovery Extensibility  
(Presented by Michael Paul, Analog Devices)

- [https://www.ieee802.org/3/da/public/0125/paul\\_da\\_02\\_20240120\\_v0.pdf](https://www.ieee802.org/3/da/public/0125/paul_da_02_20240120_v0.pdf)
- Presentation began at 8:48am.

Comment 194 V3  
(Presented by Chad Jones, Cisco Systems)

- [https://www.ieee802.org/3/da/public/0125/paul\\_da\\_02\\_20240120\\_v0.pdf](https://www.ieee802.org/3/da/public/0125/paul_da_02_20240120_v0.pdf)
- Presentation began at 9:50am.

**Meeting break at 9:59, will resume at 10:15am.**

**Meeting resumes at 10:17am**

At 11:38am, the group agreed to process 4 late comments.

Presentations heard during Comment Resolution.

Link Layer Discovery Protocol Traffic Pattern Overview for 802.3da Single Pair Multidrop  
(Presented by Jason Potterf, Cisco Systems)

- [https://www.ieee802.org/3/da/public/0125/SPMD\\_Potterf\\_LLDP\\_Management\\_Suite\\_2025-01-22.pdf](https://www.ieee802.org/3/da/public/0125/SPMD_Potterf_LLDP_Management_Suite_2025-01-22.pdf)

LLDP TLV Proposals  
(Presented by Jason Potterf, Cisco Systems)

- [https://www.ieee802.org/3/da/public/0125/SPMD\\_Potterf\\_LLDP\\_TLV\\_Proposals.docx](https://www.ieee802.org/3/da/public/0125/SPMD_Potterf_LLDP_TLV_Proposals.docx)

At 12:16pm having completed resolution of all comments, Comment Resolution adjourned.

## **Motion #2 – 12:17 pm**

Move that the editors create IEEE P802.3da Draft 2.1 by incorporating the comment resolutions against Draft 2.0 and request a review cycle.

- M: T Bagget
- S: P Jones
- Technical (>75%)

Y: 22

N: 1

A: 0

Motion passes.

Mr Jones recognizes Mr Nickolich floor time to discuss IEEE member status, especially Fellow. Mr Nikolich encourages the room to consider applying for the more senior status classes and offers support for this process.

## **Discussion of future meetings**

- Next physical meeting is the week of March 10 - 14, 2025 in Atlanta, GA.
  - Please register sooner rather than later.
- Mr Jones chartered the following AdHocs for consensus building ahead of the March meeting.
  - Isolation AdHoc chaired by Mr Zimmerman
  - Management AdHoc chaired by Mr Potterf.

Mr Jones asked if there was any more agenda for either Task Force. None heard. Having completed the agenda, Mr Jones adjourned the joint Task Force meeting.

## **Meeting adjourned at 12:25pm**



## Appendix A: IEEE P802.da/dg Joint Task Force Meeting Attendance

Name	Employer	Affiliation	Mon IMAT	Mon WebEx	Tues IMAT	Tues WebEx	Wed IMAT	Wed WebEx
Agarwal, Uttam	Texas Instruments Inc.	Texas Instruments Inc.	2	X	2	X	2	X
Ahuja, Ramanjit	ON Semiconductor	ON Semiconductor	1	X	4	X	2	X
Baggett, Tim	Microchip Technology, Inc.	Microchip Technology, Inc.	3	X	4		2	
Bar-Niv, Amir	Aquantia Corp	Marvell			4	X	2	X
Beauregard, Francois	Belden Canada ULC	Belden	3	X	4	X	2	X
Boyer, Rich	Aptiv - Signal and Power Solutions	Aptiv Signal and Power Solutions	3	X	4	X	2	X
Brandt, David	Rockwell Automation	Rockwell Automation	3	X	4	X	2	X
Brillhart, Theodore	Fluke Corporation	Fluke Corporation	3		3		1	
Brychta, Michal	Analog Devices Inc.	Analog Devices Inc.	3	X	4	X	2	X
Chini, Ahmad	Broadcom Corporation	Broadcom Corporation	1	X	4	X	2	
Cole, Christopher R	Finisar Corporation	Coherent Corp.	1					
Cordaro, Jay		Analog Devices Inc.			4	X		
Fellhauer, Felix	Robert Bosch GmbH	Robert Bosch GmbH	3	X	4	X	2	X
Fuller, Paul		Marvell	1	X				
Goel, Sachin	Aviva Links Inc	Aviva Links Inc	3	X				
Graber, Steffen	Pepperl+Fuchs SE	Pepperl+Fuchs SE	3	X	4	X	2	X
Houck, TJ	Marvell Semiconductor, Inc.	Marvell	3	X	4	X	2	X
HYAKUTAKE, YASUHIRO	Orbray Co., Ltd.	Orbray Co., Ltd.	3	X	4	X	2	X
Jones, Chad	Cisco Systems, Inc.	Cisco Systems, Inc.	3	X	6	X		X
Jones, Peter	Cisco Systems, Inc.	Cisco Systems, Inc.	3	X	4	X	2	X
Jonsson, Ragnar	Marvell Semiconductor, Inc.	Marvell	3	X	4	X		
Kagami, Manabu	Nagoya Institute of Technology	Nagoya Institute of Technology (NITech)	3	X				X
Kikuta, Tomohiro	Orbray Co., Ltd.	Orbray Co., Ltd.	3	X	4	X	2	X
Kim, Yongbum	Tenstorrent	General Motors Company	3	X	3	X	1	X
Kleinwaechter, Mathias	in-tech GmbH	in-tech GmbH	2	X				
Kock, Joerg	NXP Semiconductors	NXP Semiconductors	3	X	4	X	1	X
Kotani, Yasuhiro	DENSO	DENSO	3	X	4	X	2	X
Lackner, Hans	QoSCom GmbH	QoSCom GmbH	3	X	4	X	2	X
Lasry, Ariel	Qualcomm Technologies, Inc	Qualcomm Technologies, Inc			1	X	1	X
Law, David	Hewlett Packard Enterprise	Hewlett Packard Enterprise	2	X	3		2	
Lewis, Jon	Dell Technologies	Dell Technologies	3		4		2	X

Name	Employer	Affiliation	Mon IMAT	Mon WebEx	Tues IMAT	Tues WebEx	Wed IMAT	Wed WebEx
Lo, William	Axonon Inc.	Axonon Inc.	1	X	4	X	1	X
Lou, Wei		Broadcom Corporation	3	X	4	X	2	X
Maguire, Valerie	Copperopolis	Copperopolis, affiliated with CME Consulting and Cisco	3	X	4	X	2	X
Mark, Simon	Würth Elektronik Group	Würth Elektronik Group	3	X	4	X	1	X
Matheus, Kirsten	BMW Group	BMW Group	3	X	4	X	2	X
McClellan, Brett	Marvell Semiconductor, Inc.	Marvell Semiconductor, Inc.	3	X	2	X	2	X
Murray, Brian	Analog Devices Inc.	Analog Devices Inc.		X	4	X	2	X
Ng, Hiok Tiaq	Aviva Links Inc.	Aviva Links Inc; Aviva Links Inc.	3					
Nikolich, Paul	Paul Nikolich	Paul Nikolich; Representing myself					1	
Oishi, Eiichiro		Yazaki Corporation	3		4	X	2	X
Pan, Zhiguo		Schneider Electric	1		2		2	
Paul, Michael	Analog Devices Inc.	Analog Devices	2	X	4	X	2	X
Pischi, Neven	Broadcom Corporation	Broadcom Corporation	3	X	4	X		
Potterf, Jason	Cisco Systems, Inc.	Cisco Systems, Inc.	3	X	4	X	2	X
Razavi, Alireza	Marvell	Marvell	3	X	3	X	1	X
Schreiner, Stephan	Rosenberger Hochfrequenztechnik GmbH & Co. KG	Rosenberger	3	X	4	X	2	X
Sharma, Rohit		Molex Incorporated	3	X	3	X	2	X
sisk, jason	University of New Hampshire InterOperability Laboratory (UNH-IOL)	University of New Hampshire InterOperability Laboratory (UNH-IOL)	3	X	3	X	1	X
Stencel, Leonard		TDK Corporation of America	3		4		2	
Stewart, Heath	Analog Devices Inc.	Analog Devices Inc.	3	X	4	X	2	X
Sun, jingcong		Motorcomm Electronic Technology Co	3	X	2	X		
Tan, Yuxuan	Motorcomm	Motorcomm	2	X	1	X		
Tanc, Ahmet		NXP Semiconductors; NXP Semiconductors		X	4	X	2	X
TAZEBAY, MEHMET	Broadcom Corporation	Broadcom Corporation	3	X	3	X	2	X
Thompson, Geoffrey	GraCaSI S.A.	INDEPENDENT	3	X	3	X	1	X
Torres, Luisma	Knowledge Development for Plastic Optical Fiber	Knowledge Development for Plastic Optical Fiber	3	X	4	X	2	X
Turner, Max	Ethernovia	Ethernovia			1	X		

Name	Employer	Affiliation	Mon IMAT	Mon WebEx	Tues IMAT	Tues WebEx	Wed IMAT	Wed WebEx
<b>Veloso Cauce, Gumersindo</b>	BMW Group	BMW AG; BMW Group			4	X	2	X
<b>Voss, Robert</b>	Panduit Corp.	Panduit Corp.	3	X	4	X	2	X
<b>Wang, Shun-Sheng</b>	Realtek Semiconductor Corp.	Realtek Semiconductor Corp.	3	X	4	X	2	X
<b>Wienckowski, Natalie</b>	IVN Solutions LLC	IVN Solutions LLC; Ethernovia	2	X	2	X	2	X
<b>Wu, Peter</b>	Marvell Semiconductor, Inc.	Marvell Semiconductor, Inc.	2	X	4	X		X
<b>YASUKAWA, MASAKI</b>	NEC Magnus Communications, Ltd.	NEC Magnus Communications, Ltd.	2	X	4	X	1	X
<b>Zerna, Conrad</b>	Aviva Links Inc	Aviva Links Inc	2	X				
<b>Zhang, Tingting</b>	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd	3	X	4	X	1	X
<b>Zhuang, Yan</b>	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd	3	X	4	X	1	X
<b>Zimmerman, George</b>	CME Consulting, Inc.	CME Consulting/Analog Devices, APL Group, Cisco, Marvell, OnSemi, SenTekSe LLC, Sony	3	X	4	X	2	X
<b>NOT IN IMAT - WEBEX ONLY</b>								
<b>Benyamin, Saied</b>	Ethernovia			X				
<b>Cheng, Weiqiang</b>				X				
<b>Haasz, Jodi</b>	IEEE SA			X		X		X
<b>hu, mark</b>	Aptiv					X		X
<b>Kapoor, Samay</b>	Aviva Links			X				
<b>Mowad, Brian</b>	Cisco			X				
<b>Sambasivan, Sam</b>	AT&T					X		