

Meeting Minutes: Meeting of the IEEE P802.3da SPMD Task Force

July 2024 Hybrid Plenary meeting

Prepared by Peter Jones

All times in ET

IEEE P802.3da SPMD Task Force meeting was convened at 1:15pm 16th July by the chair, Chad Jones.

The meeting was held in person and electronically. Attendance is listed in Appendix A.

All presentations referenced in these minutes are located on the Task Force Meeting Materials site under the public page for this meeting (<https://www.ieee802.org/3/da/public/0724/index.html>)

The Chair displayed and proceeded to review the agenda in https://www.ieee802.org/3/da/public/0724/8023da_agenda_0724.pdf.

The agenda was approved at 1:17pm by unanimous consent.

The minutes from May 14th and 15th (https://www.ieee802.org/3/da/public/0524/spmd_TF_minutes_00_05_2024_2.pdf), and 12th June (https://www.ieee802.org/3/da/public/0624/spmd_TF_minutes_00b_061424.pdf) were approved at 1:20pm by unanimous consent.

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

Attendance, the Chair advised the group that the attendance would be taken from Webex and IMAT.

The Chair 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, the Chair read aloud the patent slides. The call for patents was made at 1:24pm and none responded.

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

The Chair completed review of the agenda deck at 1:29pm.

Presentations and Discussion:

At 1:30pm, the Chair moved on to the work of the meeting.

Editors report:

(Presented by Technical Editor George Zimmerman, CME Consulting, Inc)

- https://www.ieee802.org/3/da/public/0724/zimmerman_maguire_3da_02_0724.pdf
- Report started at 1:30pm.
- Motion #1 to accept EZ bucket was passed at 1:42pm.
- Presentation and discussions concluded at 1:44pm.

Motion #1 – 1:42pm

Move to accept the editors' proposed resolutions for comments in the EZ bucket.

M: Valerie Maguire

S: George Zimmerman

Procedural. Passed by voice without opposition.

Comment Resolution:

- At 1:45pm the Chair moved on to Comment Resolution led by the Technical Editor. All drafts are located in the private area (<https://www.ieee802.org/3/da/private/index.html>) and comment files are available at <https://www.ieee802.org/3/da/comments/index.html>.
- During Comment resolution the group heard and discussed the following presentations related to comments:
 - Clause 169 Power System Parameter Adjustment – 2:30pm
 - Presented by Michael Paul, Analog Devices
 - https://www.ieee802.org/3/da/public/0724/Paul_da_01_2024_07_15_v1.pdf
 - SPE Connector Resistance - 2:53pm
 - Presented by Bob Voss, Panduit
 - https://www.ieee802.org/3/da/public/0724/Voss_01_da_2024_07_10.pdf
 - MPD Cport MPSE Current Limit and dV/dt - 4:52pm
 - Presented by Michael Paul, Analog Devices
 - https://www.ieee802.org/3/da/public/0724/Paul_da_02_2024_07_15_v1.pdf
 - 802.3da D1p3 Comment Support – 5:41pm
 - Presented by George Zimmerman, CME Consulting, Inc
 - https://www.ieee802.org/3/da/public/0724/zimmerman_3da_01_0724.pdf
 - https://www.ieee802.org/3/da/public/0724/8023-169_proposed_SDfixes_disc_diag.pdf
 - https://www.ieee802.org/3/da/public/0724/8023-169_proposed_SDfixes_simple.pdf

Meeting break at 3:15pm, meeting resumes at 3:45pm.

Comment Resolution resumes at 3:45pm.

Meeting recessed at 5:57pm, will resume at 8:00am July 17th.

Meeting resumes at 8:02am July 17th

The Chair led a discussion regarding PAR extension as the PAR expires at the end of 2024. The Chair displayed the electronic form, and the group discussed the contents of the form. The final version can be found here: <https://mentor.ieee.org/802-ec/dcn/24/ec-24-0172-00-00EC-ieee-p802-3da-extension-request.pdf>

Section 1

* 1. Number of Years that the Extension is being requested:

* 2. Why an Extension is required (Include actions to complete):

* 3.1. What date did/will you begin writing the first draft:

* 3.2. How many people are actively working on the Project:

3.3. How many times a year does the Working Group meet:

* In Person:

* Via Teleconference:

* 3.4. How many times a year is a Draft circulated to the Working Group:

* 3.5. What percentage of the Draft is stable: %

* 3.6. How many significant work revisions has the Draft been through:

* 4. When will/did initial Standards Association Ballot begin:

* When do you expect to submit the proposed Standard to RevCom:

Note: Usual minimum time between initial Standards Association Ballot and submission to RevCom is 6 months.

* Has this document already been adopted by another source? (If so, please identify): Yes No

Motion #2 – 8:14am

Move to approve the PAR renewal as displayed in the meeting (see above).

M: Bob Voss

S: Jon Lewis

Procedural. Passed by voice without opposition

Comment Resolution resumed at 8:15am.

- During Comment resolution the group heard and discussed the following presentations related to comments:
 - Comment 69 TX Lower PSD Mask – 8:52am
 - Presented by Tim Baggett, Microchip
 - https://www.ieee802.org/3/da/public/0724/Baggett_3da_D1p3_Comment_69_TX_Lower_PSD_Mask.pdf
 - 802.3da Mixing Segment Specifications - 9:05am
 - Presented by Chris DiMinico, MC Communications
 - https://www.ieee802.org/3/da/public/0724/diminico_SPMD_01a_0724.pdf

Meeting break at 9:55am, meeting resumes at 10:30am.

Comment Resolution resumes at 10:33am.

Straw Poll #1 – 10:56am

Requested by: Michael Paul on comment 106

I support the sentence, "Each DTE, including mated connectors and compensation components, adds up to 100 mOhm to the loop resistance."

Yes:	27
No:	1
Need more information:	6
Abstain:	5

Straw Poll #2 – 11:32am

Requested by: George Zimmerman as Technical Editor on comment 107

I support:

Changing the minimum 24 V nominal voltage to 21.6V on comment 107

Yes:	16+13=29
No:	0+0=0
Abstain:	6+5=11

Straw Poll #3 – 11:38am

Requested by: George Zimmerman as Technical Editor.

I support:

2A current on 50V systems:

Yes:	10+11=21
No:	2+0=2
Abstain:	11+7=18

Comment Resolution concluded at 11:44am having resolved all comments.

Motion #3 – 11:46am

Move that the editors create IEEE P802.3da Draft 1.4 by incorporating the comment resolutions against Draft 1.3 and start a review cycle.

M: Val Maguire

S: Jon Lewis

Technical - Passed by unanimous consent.

Timeline

- Editor will advise the group of the dates for D1.4 at a later date.

Discussion of future meetings

- Next scheduled meeting is in the week of September 16 - 20, 2024 in Hamburg, Germany
 - Presentation requests to the Chair no later than September 6th AoE.
 - Actual presentation is due on the September 13th AoE.
- Discussion of future interims.

Having completed the agenda, the meeting was adjourned at 11:50am.

Appendix A: IEEE P802.3da SPMD Task Force Attendance

Name	Employer	Affiliation	Atn 7/16 (webex)	Atn 7/17 (webex)	Atn (Imat)	Atn July Plenary
Ahmad Chini	Broadcom	Broadcom	y	y	y	y
Amrit Gopal	Ford	Ford	y	y	y	y
Bob Voss	Panduit Corp.	Panduit Corp.	y	y	y	y
Brett McClellan	Marvell Semiconductor, Inc.	Marvell Semiconductor, Inc.		y	y	y
Brian Murray	Analog Devices Inc.	Analog Devices Inc.	y	y	y	y
Chad Jones	Cisco Systems, Inc.	Cisco Systems, Inc.	y	y	y	y
Chris Diminico	MC Communications	PHY-SI/SenTekse		y		y
Claude Gauthier	NXP	NXP	y		y	y
Curtis Donahue	Rohde & Schwarz	Rohde & Schwarz	y	y	y	y
Daniel Estrakh	Valens	Valens	y		y	y
David Brandt	Rockwell Automation	Rockwell Automation	y	y	y	y
David Law	Hewlett Packard Enterprise	Hewlett Packard Enterprise			y	y
Debajyoti Pal	ON Semiconductor	ON Semiconductor			y	y
Geoff Thompson	GraCaSI S.A.	Independent	y	y	y	y
George Zimmerman	CME Consulting	CME Consulting/ADI, APL Gp, Cisco, Marvell, OnSemi, SenTekSe, Sony	y	y	y	y
Gergely Huszak	Self	Kone	y	y	y	y
Gumersindo Veloso	BMW	BMW		y	y	y
Hans Lackner	QoSCom	QoSCom	y	y	y	y
Heath Stewart	Analog Devices Inc.	Analog Devices Inc.	y	y	y	y
Hector Arroyo	ADI	ADI	y	y	y	y
Heiko Strohmeier	Robert Bosch GmbH	Robert Bosch GmbH	y	y	y	y
Hideki Goto	Toyota	Toyota	y	y	y	y
Jae-yong Chang	Keysight	Keysight	y	y	y	y
James Withey	Fluke Corporation	Fluke Corporation	y	y	y	y
Jason Potterf	Cisco Systems, Inc.	Cisco Systems, Inc.	y	y	y	y
Jason Sisk	UNH-IOL	UNH-IOL	y		y	y
Jay Cordaro	ADI	ADI	y	y	y	y
jingcong Sun	motorcomm	motorcomm		y	y	y
Joe Aronson	TI	TI	y	y		y
Jon Lewis	Dell Technologies	Dell Technologies			y	y
Jörg Kock	NXP	NXP	y	y	y	y
Joseph Aronson	Texas Instruments	Texas Instruments			y	y
Kawabe Eiji	I-PEX Inc	I-PEX Inc	y			y
Kent Lennartsson	Kvaser AB	Kvaser AB			y	y
Kirsten Matheus	BMW Group	BMW Group	y	y	y	y
Len Stencil	TDK	TDK	y	y	y	y
Manabu Kagami	Nagoya Institute of Technology	Nagoya Institute of Technology			y	y
Manabu Kagami	NITech	NITech	y	y		y
Marty Gubow	Keysight Technologies	Keysight Technologies			y	y
Mary Sue Haydt	Microchip Technology, Inc.	Microchip Technology, Inc.	y	y	y	y
Masato Shiino	Furukawa	Furukawa	y	y	y	y
Masayuki Hoshino	Continental	Continental	y	y	y	y
Mathias Kleinwaechter	in-tech	in-tech	y	y	y	y
Mehmet Tazebay	Broadcom	Broadcom	y	y	y	y
Michael Paul	Analog Devices Inc.	Analog Devices Inc.	y	y	y	y

Michael Reinhard	SEI Automotive Europe GmbH	SEI Automotive Europe GmbH	y		y	y
Michal Brychta	Analog Devices Inc.	Analog Devices Inc.	y	y	y	y
Michelle Whisnant	UNH-IOL	UNH-IOL			y	y
Mike Tu	Broadcom	Broadcom		y	y	y
Naomichi Enoki	Murata Electronics	Murata Electronics			y	y
Natalie Wienckowski	IVN Solutions	Ethernovia	y	y	y	y
Neven Pischl	Broadcom	Broadcom	y		y	y
Nile Enoki	Murata	Murata	y	y		y
Paul Vanderlaan	UL LLC	UL LLC		y	y	y
Peter Jones	Cisco Systems, Inc.	Cisco Systems, Inc.	y	y	y	y
Ragnar Jonsson	Marvell	Marvell		y	y	y
Rich Boyer	Aptiv Signal and Power Solutions	Aptiv Signal and Power Solutions	y	y	y	y
Rob Aekins	Legrand	Legrand		y	y	y
Ron Tellas	Belden	Belden	y		y	y
sam sambasivn	AT&T	AT&T	y			y
Simon Mark	Wurthe Elektronik	Wurthe Elektronik	y	y	y	y
Steffen Graber	Pepperl+Fuchs	Pepperl+Fuchs	y	y	y	y
Stephan Schreiner	Rosenberger	Rosenberger	y	y	y	y
Thomas Mueller	Rosenberger	Rosenberger	y		y	y
Tim Baggett	Microchip Technology, Inc.	Microchip Technology, Inc.	y	y	y	y
Tingting Zhang	Huawei	Huawei		y	y	y
TJ Houck	Marvell	Marvell	y	y	y	y
Tomohiro Kikuta	Orbray Co., Ltd.	Orbray Co., Ltd.	y	y	y	y
Valerie Maguire	Copperopolis	Copperopolis/ CME Consulting, Cisco	y		y	y
Wei Lou	Broadcom	Broadcom	y	y	y	y
Yan Zhuang	Huawei	Huawei	y	y	y	y
Yasuaki Kawatsu	APRESIA Systems	APRESIA Systems	y	y	y	y
YASUHIRO HYAKUTAKE	Orbray Co., Ltd.	Orbray Co., Ltd.			y	y
Yoshihiro Niihara	Fujikura Ltd.	Fujikura Ltd.	y	y	y	y
Attendee count			55	54	68	74