

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

12 July 2023

Hybrid Plenary meeting  
Prepared by Peter Jones  
All times in CEST

IEEE P802.3da SPMD Task Force meeting was convened at 8:00am 12 July 2023 by the chair, Chad Jones.

The meeting was held both in person and electronically via WebEx.

Attendance is listed in Appendix A

All presentations referenced in these minutes are located on the [Task Force Meeting Materials public page for this meeting](#).

Peter Jones was appointed as recording secretary for the meeting.

This being a teleconference meeting, the Chair asked that participants introduce themselves when speaking, in lieu of a formal roll call. There was no objection.

The Chair displayed and proceeded to review the agenda in [agenda link](#).

The agenda was approved at 8:04am by unanimous consent.

The minutes from 14-June-2023 were approved at 8:04am by unanimous consent.

**Members of the Press**, at 8:05am the chair asked for any press members to identify themselves. None heard.

The Chair outlined the hybrid meeting procedures.

**Attendance**, The Chair advised the group that the attendance would be taken from Webex and IMAT, along with in person attendance via a sign in sheet. The Chair then had the in-room attendees introduce themselves, passing around a microphone so that online attendees could hear the names and affiliations.

At 8:08am, 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.

**IEEE Patent Policy**, The Chair read aloud the patent slides at 8:11am. The call for patents was made and **none** responded.

## **Presentations and Discussion:**

At 8:18am the Chair moved on to the presentations.

### **Verification of Consensus Model Simulation**

Presented by Stephan Schreiner Rosenberger Hochfrequenztechnik GmbH

[https://www.ieee802.org/3/da/public/0723/schreiner\\_3da\\_12\\_July\\_23.pdf](https://www.ieee802.org/3/da/public/0723/schreiner_3da_12_July_23.pdf)

- Presentation started at 8:19am.
- Starting at 8:40am, questions were asked and answered.
- Presentation concluded at 8:59am.

### **Impulse noise in multidrop link**

Presented by Wojciech Koczwaro Rockwell Automation

[https://www.ieee802.org/3/da/public/0723/20230707\\_WKoczwaro\\_Impulse\\_noise\\_in\\_multidrop\\_link.pdf](https://www.ieee802.org/3/da/public/0723/20230707_WKoczwaro_Impulse_noise_in_multidrop_link.pdf)

- Presentation started at 9:00am.
- Starting at 9:18am, questions were asked and answered.
- Presentation concluded at 9:38am.
- “As presented” does not match the posted file above, a post presentation update is provided:  
[https://www.ieee802.org/3/da/public/0723/20230712\\_WKoczwaro\\_Impulse\\_noise\\_in\\_multidrop\\_link.pdf](https://www.ieee802.org/3/da/public/0723/20230712_WKoczwaro_Impulse_noise_in_multidrop_link.pdf)

## **On break – 9:38am-10:02am**

### **Editor's report**

Presented by George Zimmerman CME Consulting

[https://www.ieee802.org/3/da/public/0723/zimmerman\\_3da\\_01\\_071123.pdf](https://www.ieee802.org/3/da/public/0723/zimmerman_3da_01_071123.pdf)

- Presentation started at 10:02am.
- Presentation concluded at 10:29am.

### **LLDP proposal**

#### **Proposed LLDP BASELINE**

Presented by Peter Jones Cisco Systems, Inc.

[https://www.ieee802.org/3/da/public/0723/jones\\_3da\\_01\\_061223.pdf](https://www.ieee802.org/3/da/public/0723/jones_3da_01_061223.pdf)

[https://www.ieee802.org/3/da/public/0723/jones\\_3da\\_02\\_061223.pdf](https://www.ieee802.org/3/da/public/0723/jones_3da_02_061223.pdf)

- Presentation started at 10:30am.
- Starting at 10:39am, questions were asked and answered.
- Motion #1

Adopt the proposed baseline text in jones\_3da\_02a\_061223.pdf pages 2 to 6.

Mover: Peter Jones

Seconder: Bob Voss

voting at: 10:47am

Y: 27

N: 0

A: 4

Motion passes.

- Presentation concluded at 10:55am.
- The presentation was updated with straw poll information and the baseline had editorial fixes made during presentation. As a result, the motion filename does not match the presented name. Both the presentation and baseline post meeting updates were sent to the chair for posting, found here:  
[https://www.ieee802.org/3/da/public/0723/jones\\_3da\\_01a\\_061223.pdf](https://www.ieee802.org/3/da/public/0723/jones_3da_01a_061223.pdf)  
[https://www.ieee802.org/3/da/public/0723/jones\\_3da\\_02a\\_061223.pdf](https://www.ieee802.org/3/da/public/0723/jones_3da_02a_061223.pdf)

**Clause 169 MPoE Features  
Proposed MPoE BASELINE**

Presented by Michael Paul Analog Devices

[https://www.ieee802.org/3/da/public/0723/Paul\\_da\\_01\\_20230712.pdf](https://www.ieee802.org/3/da/public/0723/Paul_da_01_20230712.pdf)  
[https://www.ieee802.org/3/da/public/0723/proposed\\_baseline\\_clause169.pdf](https://www.ieee802.org/3/da/public/0723/proposed_baseline_clause169.pdf)

- Presentation started at 10:51am.
- Starting at 11:04am, questions were asked and answered.
- Presentation concluded at 11:56am.
- A post meeting update of the slides was sent to the chair for posting:  
[https://www.ieee802.org/3/da/public/0723/8023\\_da\\_wip\\_clause\\_169\\_b.pdf](https://www.ieee802.org/3/da/public/0723/8023_da_wip_clause_169_b.pdf)

**On Break – 12:02am – 1:16pm**

- Straw polls – 1:20pm

<h2>IEEE 802.3da MPoE Straw Poll – July 12, 2023</h2>	
Should 802.3da not preclude simultaneous operation of two or more MPSEs?	
Yes (20) / No (1) / Need More Info or Thought (7) / Abstain (7)	
Should 802.3da support a 48V system to enable 1.5 W per device?	
Yes (22) / No (0) / Need More Info or Thought (7) / Abstain (8)	
Should 802.3da support a 24V system to enable 0.75W per device?	
Yes (24) / No (0) / Need More Info or Thought (5) / Abstain (9)	
Should 802.3da support voltage (MPoE Type) discovery before power on?	
Yes (21) / No (1) / Need More Info or Thought (8) / Abstain (7)	
Should (MPoE Type) discovery be mandatory for 802.3da for both PDs and PSEs?	
Yes (5) / No (11) / Need More Info or Thought (15) / Abstain (7)	
(Results in Parenthesis)	Does not preclude these features from a future standard

## **10BASE-T1S multidrop EEE proposal Proposed Wake Sleep BASELINE**

Presented by Tim Baggett Microchip

[https://www.ieee802.org/3/da/public/0723/baggett\\_3da\\_01a\\_07122023.pdf](https://www.ieee802.org/3/da/public/0723/baggett_3da_01a_07122023.pdf)

[https://www.ieee802.org/3/da/public/0723/802.3da%20EEE%20WakeSleep%20Baseline%20Preview\\_a.pdf](https://www.ieee802.org/3/da/public/0723/802.3da%20EEE%20WakeSleep%20Baseline%20Preview_a.pdf)

- Presentation started at 1:34pm.
- Starting at 1:48pm, questions were asked and answered.
- Straw Poll  
Should we consider the OPEN Alliance “10BASE-T1S Sleep/Wake-up” solution to further the energy-saving objective of IEEE P802.3da?  
Yes: 25  
No: 1  
Abstain: 4
- Presentation concluded at 2:40pm.
- The presentation and baseline had been updated before presentation. Therefore, the “as presented” files do not match what was posted at the URLs above. Updated files were sent to the chair for posting, found here:  
[https://www.ieee802.org/3/da/public/0723/baggett\\_3da\\_01b\\_07122023.pdf](https://www.ieee802.org/3/da/public/0723/baggett_3da_01b_07122023.pdf)  
[https://www.ieee802.org/3/da/public/0723/802.3da%20EEE%20WakeSleep%20Baseline%20Preview\\_b.pdf](https://www.ieee802.org/3/da/public/0723/802.3da%20EEE%20WakeSleep%20Baseline%20Preview_b.pdf)

## **Liaison letter**

- A liaison from OPEN Alliance was received 6<sup>th</sup> July 2023.
- The incoming liaison can be found at  
[https://www.ieee802.org/3/minutes/jul23/incoming/OA\\_Liaison\\_Letter\\_JWG\\_TC14-TC10\\_Redacted.pdf](https://www.ieee802.org/3/minutes/jul23/incoming/OA_Liaison_Letter_JWG_TC14-TC10_Redacted.pdf)
- The group decided to have an outgoing liaison drafted for review in the closing plenary. The chair appointed a small group to draft the liaison, found here:  
[https://www.ieee802.org/3/da/public/0723/IEEE8023\\_to\\_OPEN\\_July2023\\_draft.pdf](https://www.ieee802.org/3/da/public/0723/IEEE8023_to_OPEN_July2023_draft.pdf).

## **Proposed MPoE BASELINE**

Presented by Michael Paul Analog Devices

[https://www.ieee802.org/3/da/public/0723/Paul\\_da\\_01\\_20230712.pdf](https://www.ieee802.org/3/da/public/0723/Paul_da_01_20230712.pdf)

[https://www.ieee802.org/3/da/public/0723/proposed\\_baseline\\_clause169.pdf](https://www.ieee802.org/3/da/public/0723/proposed_baseline_clause169.pdf)

- It was pointed out to the chair that the proposed 169 baseline text was skipped in the previous presentation slot, so the TF returned to this topic.
- Presentation started at 2:49pm.
- Starting at 2:55pm, questions were asked and answered.
- Presentation concluded at 3:00pm.
- The proposed baseline had some corrections made as presented so a post meeting update was provided to the chair:  
[https://www.ieee802.org/3/da/public/0723/8023\\_da\\_wip\\_clause\\_169\\_b\\_diffs.pdf](https://www.ieee802.org/3/da/public/0723/8023_da_wip_clause_169_b_diffs.pdf)

### **Carrier Sensing in Harsh Noise Environments**

- This material was originally presented at the May Interim meeting in San Antonio. As the Chair forgot that the presenter requested a straw poll about support for the changes recommended in the presentation, the Chair had the presenter do a brief recap before moving on to the straw poll.
- Discussion started at 3:00pm, led by Piergiorgio Beruto     OnSemi
- Presentation from San Antonio -  
[https://www.ieee802.org/3/da/public/0523/beruto\\_3da\\_20230515\\_carrier\\_sense\\_1p1.pdf](https://www.ieee802.org/3/da/public/0523/beruto_3da_20230515_carrier_sense_1p1.pdf)
- Straw Poll  
    I support the text change proposed in page 16 of  
    beruto\_3da\_20230515\_carrier\_sense\_1p1.pdf.  
    Yes:             17+3=20  
    No:             0+1=1  
    Abstain:        11+3=14

### **Break – 3:17pm – 3:36pm**

Motion #2

Adopt the text change proposed in page 16 of  
beruto\_3da\_20230515\_carrier\_sense\_1p1.pdf

Mover:            Piergiorgio Beruto

Seconder:        Jon Lewis

Voting at:       3:44pm

Y:                13

N:                0

A:                5

Result:          Passes

### **Proposed objectives modifications**

Discussion led by Chad Jones     Cisco Systems, Inc.

[https://www.ieee802.org/3/da/public/0723/802d3da\\_objectives\\_proposed\\_modifications\\_0723.pdf](https://www.ieee802.org/3/da/public/0723/802d3da_objectives_proposed_modifications_0723.pdf)

[https://www.ieee802.org/3/da/public/0723/802d3da\\_objectives\\_proposed\\_modifications\\_0723a.pdf](https://www.ieee802.org/3/da/public/0723/802d3da_objectives_proposed_modifications_0723a.pdf)

- Discussion started at 3:46pm.
- Discussion concluded at 5:10pm.
- This presentation will be used by the chair to present objective changes to the Working Group at the Plenary closing meeting. The presentation was modified by the discussion and the resulting file is the second URL above.

### **Liaison letter draft review**

- The Chair led review of the liaison drafted for the closing plenary.

### **Proposed objectives modifications (cont.)**

After finishing the draft liaison letter review, it was pointed out that it would be appropriate for a motion from the TF showing the support for the objective modifications, to be shown at the closing meeting.

#### **Motion #3**

The TF supports the objective changes contained in 802d3da\_objectives\_proposed\_modifications\_0723a.pdf and instructs the TF Chair to present these changes to the WG for approval.

Mover: Tim Baggett  
Seconder: Bob Voss  
Voting at: 5:22pm  
Y: 20  
N: 0  
A: 2  
Result: Passes

### **Presentations and discussion concluded at 5:26pm.**

#### **Discussion of future meetings**

- Next meetings
  - MPoE Adhoc 30 Aug 2023
  - Interim September 11 - 14, 2023 Campinas, Brazil
- Presentation requests to the Chair no later than Monday morning Pacific Time (Sunday 3 Sep 2023 AoE) prior to the meeting
  - Actual presentation is due on the Thursday 7 Sep 2023 AoE prior to the meeting

**The chair called for any other topics to discuss, none heard.**

Having exhausted the agenda, the chair adjourned the meeting.

**Meeting adjourned by The Chair at 5:28pm.**

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

Name	Employer	Affiliation	Attended 7/12 (webex)	Attended 7/12 (lmat)	Attended July Plenary
Alireza Razavi	Marvell	Marvell	y	y	y
Ammer Ganic	Analog Devices Inc.	Analog Devices Inc.	y	y	y
Amrit Gopal	Ford	Ford	y	y	y
Bernd Horrmeyer	Phoenix Contact	Phoenix Contact	y	y	y
Bob Voss	Panduit Corp.	Panduit Corp.	y	y	y
Brian Murray	Analog Devices Inc.	Analog Devices Inc.	y	y	y
Chad Jones	Cisco Systems, Inc.	Cisco Systems, Inc.	y	y	y
Chris Diminico	MC Communications	PHY-SI/SenTekse		y	y
Clark Carty	Cisco Systems, Inc.	Cisco Systems, Inc.		y	y
Craig Chabot	UNH-IOL	UNH-IOL	y	y	y
David Brandt	Rockwell Automation	Rockwell Automation		y	y
David Lou	Huawei	Huawei	y		y
Dayin Xu	Rockwell Automation	Rockwell Automation		y	y
Felix Fellhauer	Bosch	Bosch		y	y
Francois Beauregard	Belden	Belden	y		y
Galin Ivanov	Microchip	Microchip		y	y
Geoff Thompson	GraCaSI S.A.	Independent		y	y
George Zimmerman	CME Consulting	CME Consulting/APL Group, Cisco, Marvell, OnSemi, SenTekSe LLC		y	y
Gergely Huszak	Self	Kone		y	y
Hans Lackner	QoSCom	QoSCom		y	y
Haysam M. Kadry	Molex	Molex	y	y	y
Heath Stewart	Analog Devices Inc.	Analog Devices Inc.	y	y	y
Heiko Strohmeier	Robert Bosch GmbH	Robert Bosch GmbH		y	y
James Withey	Fluke Corporation	Fluke Corporation	y	y	y
Jason Potterf	Cisco Systems, Inc.	Cisco Systems, Inc.	y	y	y
Jason Sisk	UNH-IOL	UNH-IOL	y	y	y
Joe Aronson	Texas Instruments	Texas Instruments	y	y	y
Jon Lewis	Dell Technologies	Dell Technologies		y	y
Kent Lennartsson	Kvaser AB	Kvaser AB	y	y	y
Kirsten Matheus	BMW Group	BMW Group	y	y	y
Lokesh Kabra	Synopsys Inc	Synopsys Inc	y		y
Markus Gerl	MD Elektronik	MD Elektronik	y		y
Mary Sue Haydt	Microchip Technology, Inc.	Microchip Technology, Inc.		y	y
Masayuki Hoshino	Continental	Continental	y	y	y

Matthias Fritsche	HARTING Technologie Gruppe	HARTING Technologie Gruppe		y	y
MEHMET TAZEBAY	Broadcom Corporation	Broadcom Corporation		y	y
Michael Paul	Analog Devices Inc.	Analog Devices Inc.	y		y
Michal Brychta	Analog Devices Inc.	Analog Devices Inc.	y	y	y
Nobuyasu Araki	Yazaki Corporation	Yazaki Corporation		y	y
Paul Vanderlaan	UL LLC	UL LLC	y	y	y
Peter Jones	Cisco Systems, Inc.	Cisco Systems, Inc.	y	y	y
Piergiorgio Beruto	OnSemi	OnSemi	y	y	y
Ragnar Jonsson	Marvell	Marvell	y	y	y
Ron Tellas	Belden	Belden	y	y	y
Sami Akin	Volkswagen AG	Volkswagen AG	y	y	y
Sen Zhang	Huawei	Huawei	y		y
Simon Mark	Wurthe Elektronik	Wurthe Elektronik		y	y
Steffen Graber	Pepperl+Fuchs	Pepperl+Fuchs	y	y	y
Stephan Schreiner	Rosenberger	Rosenberger	y	y	y
Steve Carlson	High Speed Design, Inc.	HSD, Robert Bosch, Ethernovia	y		y
Thomas Hogenmueller	Robert Bosch GmbH	Robert Bosch GmbH		y	y
Tim Baggett	Microchip Technology, Inc.	Microchip Technology, Inc.	y		y
Tingting Zhang	Huawei	Huawei	y	y	y
Wayne Larsen	CommScope	CommScope	y	y	y
Wojciech Koczwar	Rockwell Automation	Rockwell Automation	y	y	y
Yan Zhuang	Huawei	Huawei	y	y	y
Yoshihiro Niihara	Fujikura Ltd.	Fujikura Ltd.	y		y
Attendee count			39	48	58

In Room Attendance Sheet

P802-3 da

Task Force Attendance

July 2023

Initial to indicate attendance

By choosing to attend and sign in to this meeting, you acknowledge and agree that your personal data will be documented for IEEE standards development purposes to comply with policies and procedures, legal and accreditation requirements, and evaluation of patent claims by patent offices. IEEE must capture your personal data for these purposes, and will provide information about activities related to standards development groups in which you participate. IEEE standards development participation is documented through various methods, e.g., rosters, submission documents, email reflectors, records of meeting attendance, responses to ballots, publicly available participation lists, and declaration of affiliations. See the IEEE Privacy Policy at <https://www.ieee.org/security-privacy.html>.

Name	Employer	Affiliation	7/2			
Chad Jones	Cisco	CISCO	CJ			
Jason Potter	CISCO	CISCO	JP			
Peter Jones	CISCO	CISCO	PJ			
JAMES WITHE	Fluke	Fluke	JW			
BRIAN MURRAY	ANALOG DEVICES	ANALOG DEVICES	BM			
MARY SUS HAYOT	MICROCHIP	MICROCHIP	MS			
BOB VOSS	PANDUIT	PANDUIT	BV			
DAVE BRANOT	ROCKWELL AUTOMATION	ROCKWELL AUTOMATION	DB			
Matthias Fritsche	HARTING	HARTING	MF			
Hans Lackner	QoSCom	QoSCom	HL			
Kent Lennartsson	Kvaser AB	Kvaser AB	KL			
Steffen Grober	Pepperl+Fuchs	Pepperl+Fuchs	SG			
Piergiorgio Beruto	onsemi	onsemi	PB			
Galin Ivanov	Microchip	Microchip	GI			
Simon Mark	Würth Elektronik	Würth Elektronik	SM			
Sami Akin	CARIAD SE, VW AG	VW AG	SA			
Michael Paul	Analog Devices	Analog Devices	MP			
Heath Stewart	Analog Devices	Analog Devices	HS			
Tim Baggett	Microchip	Microchip	TB			
Heiko Strohmeier	Bosch	Bosch	HS			

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July 2023

Initial to indicate attendance

## Task Force Attendance

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Name	Employer	Affiliation	7/12			
FELIX FELLHAUER	BOSCH	BOSCH	<del>FF</del>			
CLARK CARTY	CISCO	CISCO	CAC			
GERGELY MUSTAK	KONE	- 0 -	<del>G</del>			
MICHAEL BRICHTA	ANALOG DEVICES	ANALOG DEVICES	MB			
WOJCIECH KOCZWARA	ROCKWELL AUTOMATION	- 11 -	<del>W</del>			
CHRIS DIMINICO	PHY-SI/SEMTEKSE	PHY-SI	<del>C</del>			
JON LEWIS	DELL	DELL	<del>J</del>			
Haysam Kodry	Molex	Molex	<del>H</del>			
Gary Zimmer	OMC Conly	APL GP, CISCO, MVEL, ONSER, SATELS	<del>G</del>			
GEOFF THOMPSON	GRACASI	12nd	<del>G</del>			
Ragnar Jousson	Marvell	Marvell	RHS			
Yan ZHUANG	Huawei	Huawei	ZY			
Tingting Zhang	Huawei	Huawei	TTZ			
Stephan Schreiner	Rosenberger	Rosenberger	St.			
David Lou	Huawei	Huawei	<del>D</del>			
STEVE CARLSON	HSD	Bosch/Huawei	<del>S</del>			
James Gilh	GA-ASI, USD	GA-ASI	<del>J</del>			
Janik Stejezga	Bosch	Bosch	<del>J</del>			
David Law	HPE	HPE	DL			
MASAYUKI HOSHINO	Continental Automotive	Continental Automotive	MH			

