

IEEE 802.3da SPMD TF Plenary meeting

12 July 2022

Prepared by Peter Jones

Agendas, minutes, presentations, etc posted at:

<https://www.ieee802.org/3/da/public/0722/index.html>

Meeting Chaired by Chad Jones

Meeting called to order at approximately 8:05 am US Eastern Time.

Agenda/Admin - Chad Jones

All times in US Eastern Time (ET)

8:05 am: Meeting commences. The Chair reviewed the agenda deck at

https://www.ieee802.org/3/da/public/0722/8023da_agenda_0722.pdf.

The chair reminded participants to indicate full names and employer/affiliation correctly for the meeting minutes. The Chair reminded participants to mute lines when not speaking and reviewed the steps to unmute. he also indicated that attendance was to be taken via Webex participant's list, from IMAT, and from the in-room signup sheet for the purpose of the minutes. The group did in-room introductions.

8:07 am: The group experienced AV issues which occupied time. As this was the first time the group had met in person for a long time, the chair asked the in-person attendees to introduce themselves. This allows people that have been working with each other via teleconference for a while to put faces with names and voices.

8:14 am: The Chair asked if there were any corrections or additions to the agenda. There being no corrections or additions, the agenda stands approved.

8:14 am: The Chair asked if anyone has not had a chance to review the minutes for 29 June 2022 posted at https://www.ieee802.org/3/da/public/062922/spmd_TF_minutes_00_062922.pdf. None responded. The Chair asked if there were any change to be made to the 29 June 2022 minutes. None responded. The 29 June 2022 minutes were approved by unanimous consent.

8:15 am: Agenda deck continues.

The Chair reviewed the slide with the Participation requirements.

The Chair reviewed the attendance slide.

The Chair reviewed the ground rules.

8:22 am: Chair showed the patent policy slides and made a call for Potentially Essential Patents – no one responded.

Chair showed the IEEE-SA copyright slides.

The Chair reviewed the Code of Ethics and Conduct slide.

The Chair reviewed the individual process slide.

The Chair reviewed the equitable consideration of all viewpoints slide.

8:29 am: Opening agenda slides complete. The meeting moves on to presentations.

Presentations/Discussion.

8:30 am: PRESENTATION #1: 802.3 Multidrop Mixing Segment Specifications

https://www.ieee802.org/3/da/public/0722/diminico_SPMD_01a_07122022.pdf

Chris DiMinico, PHY-SI LLC/SenTekse

8:38 am: Start of Q&A.

8:40 am: The group experienced AV issues which occupied time.

8:50 am: presentation and Q&A done.

8:51 am: PRESENTATION #2: Noise Environment Definition

https://www.ieee802.org/3/da/public/0722/beruto_3da_20220711_noise_env.pdf

Piergiorgio Beruto, OnSemi

9:19 am: Start of Q&A.

9:20 am: The group experienced AV issues which occupied time.

9:44 am: presentation done.

9:44 am: Meeting breaks

10:07 am: Meeting resumes

10:08 am: PRESENTATION #3: Multi-drop network measurements

https://www.ieee802.org/3/da/public/0722/larsen_8023da_MeasuredDataFromMultiDropNetwork_071222a.pdf

Wayne Larsen, CommScope

10:18 am: Start of Q&A.

10:32 am: presentation done.

10:34 am: PRESENTATION #4: RX Model Proposal

https://www.ieee802.org/3/da/public/0722/beruto_3da_20220711_rx_model.pdf

Piergiorgio Beruto, OnSemi

10:54 am: The group experienced connectivity issues during the presentation which occupied time.

While working to resolve the issues the group started Q&A on the slides presented so far.

11:01 am: Connectivity issues resolved, presentation resumes.

11:05 am: Q&A resumes.

11:08 am: presentation done.

11:09 am: The group experienced connectivity issues which occupied time.

11:10 am: At this point, the presentations were exhausted. The Chair received two late presentation requests and asked if anyone objected to viewing them. None responded.

11:13 am: PRESENTATION #5: Consensus Model Update

https://www.ieee802.org/3/da/public/0722/Paul_01_da_071222.pdf

Michael Paul, ADI

11:22 am: Q&A starts.

11:30 am: presentation done.

11:32 am: PRESENTATION #6: 802.3da Open Questions

https://www.ieee802.org/3/da/public/0722/SPMD_Potterf_Open_Issues_2022-07-11_PostDiscussion.pdf

Jason Potterf, Cisco

11:40 am: Q&A/discussion starts.

11:45 am: Meeting recesses for lunch

2:15 pm: Meeting resumes

2:15 pm: PRESENTATION #6: 802.3da Open Questions, Q&A/discussion resumes. The discussion mainly involved the TF agree which parts of the open questions were not worth pursuing. These decisions are documented in the posted version of the presentation.

2:52 pm: meeting recess for afternoon break

3:13 pm: meeting resumes

04:27 pm: 802.3da Open Questions, &A/discussion concludes

One more late presentation request was submitted. The Chair asked if anyone objected to viewing the late presentation. None responded.

4:28 pm: PRESENTATION #7: Receive Mode Collisions

https://www.ieee802.org/3/da/public/0722/beruto_3da_20220711_receive_mode_collisions.pdf

Piergiorgio Beruto, OnSemi

4:35 pm: Q&A/discussion starts.

4:38 pm: presentation done.

4:39 pm: Chair charters a "Receive Mode Collisions" Ad Hoc lead by Piergiorgio Beruto to follow up on the topics discussed in his "Receive Mode Collisions" presentation.

4:40 pm: Next Steps and Closing remarks begins. Chair opens discussion on updates to project timeline V3. Modifications for V4 were agreed to. The Chair will make the changes and will get TF approval in the next meeting. The TF discussed the next meetings and, in particular, the plan for the September Telephonic Interim. The Chair will find a second day to add a meeting during the September Interim (likely 12 Sept) and extend those two meetings to three hours each in

duration. The previously scheduled every-other-Wednesday meetings will remain at two hours in duration.

4:49 pm: Next Steps and Closing remarks finish

Next meeting: 27 July 2022, 7:00am PT

4:49pm: Having exhausted the agenda, the Chair announces the meeting is adjourned.

Meeting closed – 4:49pm ET

Attendees (from Webex + chat + IMAT sign-in)

Name	Employer	Affiliation	Attended 07/13/22 Morning (IMAT)	Attended 07/13/22 Morning (webex)	Attended 07/13/22 Afternoon (IMAT)	Attended 07/13/22 Afternoon (webex)	Attended one or more
Heath Stewart	Analog Devices Inc.	Analog Devices Inc.	y				y
Michael Paul	Analog Devices Inc.	Analog Devices Inc.	y	y	y		y
Michal Brychta	Analog Devices Inc.	Analog Devices Inc.	y	y		y	y
Andrew Jimenez	Anixter	Anixter	y				y
Rich Boyer	Aptiv Signal and Power Solutions	Aptiv Signal and Power Solutions	y				y
Thomas Rettig	Beckhoff Automation	Beckhoff Automation	y				y
Victor Renteria	Bel Fuse	Bel Fuse	y	y		y	y
Cornelia Eitel	Belden	Belden		y			y
Peter Fischer	BKS Kabel-Service AG	BKS Kabel-Service AG	y	y	y	y	y
Kirsten Matheus	BMW Group	BMW Group	y				y
Mehmet Tazebay	Broadcom	Broadcom	y			y	y
Marek Hajduczenia	Charter Communications	Charter Communications	y				y
Fred Dawson	Chemours Canada Company	Chemours Canada Company	y	y		y	y
Chad Jones	Cisco Systems, Inc.	Cisco Systems, Inc.	y		y		y
Clark Carty	Cisco Systems, Inc.	Cisco Systems, Inc.	y		y		y
Jason Potterf	Cisco Systems, Inc.	Cisco Systems, Inc.	y	y	y	y	y
Peter Jones	Cisco Systems, Inc.	Cisco Systems, Inc.	y	y		y	y
George Zimmerman	CME Consulting	CME Consulting/APL Group, CommScope, Cisco Systems, Marvell, and SenTekse	y		y		y
Wayne Larsen	CommScope	CommScope	y	y	y	y	y
Dave Hess	Cord Data	Cord Data	y	y	y	y	y
James Withey	Fluke Corporation	Fluke Corporation	y		y		y
Haysam M. Kadry	Ford Motor Company	Ford Motor Company		y			y
Yoshihiro Niihara	Fujikura Ltd.	Fujikura Ltd.				y	y
Flavio Marques	Furukawa Electric	Furukawa Electric		y			y
Kiyoshi Saito	Furukawa Electric	Furukawa Electric	y	y		y	y

Name	Employer	Affiliation	Attended 07/13/22 Morning (IMAT)	Attended 07/13/22 Morning (webex)	Attended 07/13/22 Afternoon (IMAT)	Attended 07/13/22 Afternoon (webex)	Attended one or more
Natalie Wienckowski	GM	GM				y	y
David Tremblay	HPE	HPE			y		y
Steve Carlson	High Speed Design, Inc.	HSD, Robert Bosch, Ethernovia	y		y		y
Tong Mu	Huawei	Huawei		y			y
Yan Zhuang	Huawei	Huawei		y			y
Jodi Haasz	IEEE SA	IEEE SA			y		y
Jonathan Goldberg	IEEE STAFF	IEEE STAFF	y				y
John DeAndrae	II-VI/ Finisar	II-VI/ Finisar			y		y
Geoff Thompson	GraCaSI S.A.	Independent	y	y	y	y	y
Marty Gubow	Keysight Technologies	Keysight Technologies	y				y
Gergely Huszak	Self	Kone	y				y
Kent Lennartsson	Kvaser AB	Kvaser AB	y		y		y
Rob Aekins	Legrand	Legrand	y	y		y	y
Erwin Koependoerfer	Leoni Kabel GmbH	Leoni Kabel GmbH				y	y
Peter Wu	Marvell	Marvell		y			y
Ragnar Jonsson	Marvell	Marvell	y	y			y
Wensheng Sun	Marvell	Marvell		y		y	y
Gaoling Zou	Maxim Integrated Products	Maxim Integrated Products	y				y
Carsten Sydow	MaxLinear	MaxLinear	y				y
Sridhar Ramesh	Maxlinear	Maxlinear	y	y			y
Tim Baggett	Microchip Technology, Inc.	Microchip Technology, Inc.	y				y
Piergiorgio Beruto	OnSemi	OnSemi	y				y
Chris Diminico	MC Communications	Panduit	y				y
Bob Voss	Panduit Corp.	Panduit Corp.	y	y	y	y	y
Steffen Graber	Pepperl+Fuchs	Pepperl+Fuchs	y	y		y	y
Bernd Horrmeyer	Phoenix Contact	Phoenix Contact	y				y
Hans Lackner	QoSCom	QoSCom	y				y
David Brandt	Rockwell Automation	Rockwell Automation	y	y	y	y	y
Dayin Xu	Rockwell Automation	Rockwell Automation	y	y			y
Curtis Donahue	Rohde & Schwarz	Rohde & Schwarz		y		y	y
Stephan Schreiner	Rosenberger	Rosenberger	y	y	y	y	y
Thomas Mueller	Rosenberger	Rosenberger		y			y
Matthias Wendt	Signify	Signify			y		y
Toshihisa Hyakudai	Sony	Sony			y	y	y
Joe Aronson	Texas Instruments	Texas Instruments	y	y		y	y
Denis Beaudoin	Texas Instruments	Texas Instruments	y	y		y	y
Paul Vanderlaan	UL LLC	UL LLC	y	y		y	y

Name	Employer	Affiliation	Attended 07/13/22 Morning (IMAT)	Attended 07/13/22 Morning (webex)	Attended 07/13/22 Afternoon (IMAT)	Attended 07/13/22 Afternoon (webex)	Attended one or more
Jason Sisk	UNH-IOL	UNH-IOL	y				y
Sami Akin	Volkswagen AG	Volkswagen AG	y	y	y	y	y
Larry McMillan	Western Digital	Western Digital	y	y			y
Simon Mark	Wurthe Elektronik	Wurthe Elektronik	y				y
Toshihisa Hyakudai	Wurthe Elektronik	Wurthe Elektronik	y				y
			50	33	21	26	67

802.3da SPMD Task Force Attendance July 2022

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	Tuesday AM	Tuesday PM		
Chad Jones	CISCO	CISCO	XNT	CNT		
Pete Jone	CISCO	CISCO	PT	KS		
E-DIMINICO	ME COMM M M	MU COMM	OTD			
Rich Boyer	APTIV	APTIV	RB			
Thomas Reltij	Beckhoff	Beckhoff	TR	TR		
Marty Gibson	Keysight	Keysight	MG			
Kirsty Matheus	BHW	BHW	YK			
Carsten Sydow	Maxlinear	Maxlinear	Sy	Sy		
Simon Mark	Wurth Electronics	Wurth Electronics	WU	WU		
Michael Paul	Analog Devices	Analog Devices	MP	MP		
GADLING ZOU	Analog Devices	ANALOG Device	GoB.	G-z.		
Leon Lavckman	Huawei	Huawei	L			
James W. Ehay	Fluke	Fluke	FE			
Andrew Jimenez	Wesco	Wesco	WJ	WJ		
MAREK HAJDUCENIA	CHARTER	CHARTER	MH			
HUSZAK GELCZY	KOBE	KOBE	HG	HG		
Berito Perrygorjo	onsemi	onsemi	BP	BP		

802.3da SPMD Task Force Attendance July 2022

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	Tuesday AM	Tuesday PM
George Zimmerman	CME Consulting	APL Gr, Cisco, ComSep Maxwell, Seetecore	Max.	Max.
Geoff Thompson	GeoCAST	None	G	G
Kent Lonnartsson	Kvaser AB	Kvaser AB	KL	KL
CLARK CARTY	CISCO	CISCO	CAC	CAC
Hans Ladkner	QoSCom	QoSCom	HL	
Heath Stewart	Analog Devices	Analog Devices	HS	HS
Jason Sisk	UNH-IOL	UNH-IOL	JS	JS
Tammy Gilb	General Atomics Aeronautical Systems Inc.	GA-ASI		
Tim Baggett	Microchip	Microchip	TB	TB
Bernd Horrmeyer	Phoenix Contact	same	BH	BH
GAOming Zou	Analog Devices	Analog Devices	G.Z.	
Emilio Cuesta	TE Connectivity	—		E.C.
HARSH PATEL	AMPHENOL CS	—		H.P.
Haysam Kadry	Ford	Ford		H.K.
STEVE CARLSON	HSD	BOSCH, ET		SC
James Willey	Fluke	FLUKE		JW
Jason Potterff	CISCO	CISCO	JP	JP