

IEEE 802.3da SPMD TF Interim meeting

January 27, 2021

Prepared by Peter Jones

Presentations posted at:

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

Agenda/Admin - Chad Jones

All times in Pacific Time (PT)

7:00am: The Chair reviewed the agenda in

https://www.ieee802.org/3/da/public/012721/8023da_agenda_012721.pdf. The Chair asked if there were any corrections or additions to the agenda. There being no corrections or additions, the agenda stands approved.

The Chair asked if anyone hasn't had a chance to review the minutes for December 16, 2020 and January 13, 2021. None responded. The Chair asked if there were any changes to be made to the December 16, 2020 and January 13, 2021 minutes. None responded. The December 16, 2020 and January 13, 2021 minutes were approved by unanimous consent.

7:09am: Call for patents was made, no one responded.

7:13am: opening agenda slides complete. The meeting moves on to presentations.

Presentations/Discussion.

7:14am: 802.3da Power Classes, Michael Paul, Analog Devices

7:21am: presentation done, start of Q&A.

Summary of questions by George Zimmerman

1. allocation for a data only device
2. allocation for device denied or not requesting power at the current time
3. total allocation for unpowered devices at any time
4. distribution of variable inductances spatially across the mixing segment
5. can the PHY drop the 80 uH minimum inductance to a lower value (goal 20 uH)?
6. Is 5.6W the right minimum value

7:43am: Q&A done.

7:44am: SPE Multidrop Enhancements Mixing Segment Considerations Update, Chris DiMinico, MC Communications, PHY-SI LLC/SenTekse/Panduit

7:50am: presentation done, start of Q&A.

7:57am: Q&A done.

7:58am: Closing remarks

Next meeting: February 10 2021, 7:00am PT.

Meeting closed - 8:06am PT

Attendees (from Webex + emails)

Name	Employer	Affiliation	Attended 01/27
Alessandro Ingrassia	Canova Tech	Canova Tech	y
Alhammami Talal	diconium	VW	y
Alon Regev	Keysight Technologies	Keysight Technologies	y
Andrew Jimenez	Anixter	Anixter	y
Anthony New	Prysmian Group	Prysmian Group	y
Bernd Hormmeyer	Phoenix Contact	Phoenix Contact	y
Bob Voss	Panduit Corp.	Panduit Corp.	y
Brett McClellan	Marvell	Marvell	y
Chad Jones	Cisco Systems, Inc.	Cisco Systems, Inc.	y
Chris Diminico	MC Communications	PHY-SI LLC/SenTekse/Panduit	y
Christopher Pohl	Beckhoff Automation	Beckhoff Automation	y
Dave Hess	Cord Data	Cord Data	y
David D. Brandt	Rockwell Automation	Rockwell Automation	y
David Law	Hewlett Packard Enterprise	Hewlett Packard Enterprise	y
David Tremblay	HPE	HPE	y
Denis Beaudoin	Texas Instruments	Texas Instruments	y
Doug Oliver	Ford	Ford	y
Emilio Cuesta	TE Connectivity	TE Connectivity	y
Eric DiBiaso	TE Connectivity	TE Connectivity	y
Erwin Koeppendoerfer	Leoni Kabel GmbH	Leoni Kabel GmbH	y
Flavio Marques	Furukawa Electric	Furukawa Electric	y
Fred Dawson	Chemours Canada Company	Chemours Canada Company	y
Geoff Thompson	GraCaSI S.A.	Independent	y
George Zimmerman	CME Consulting	ADI, APL Group, Cisco Systems, CommScope, Marvell, SenTekSe	y
Gergely Huszak	Self	Kone	y
Hans Lackner	QoSCom	QoSCom	y
Harry Aller	Innovative Lighting	Innovative Lighting	y
Haysam M. Kadry	Ford Motor Company	Ford Motor Company	y
Heath Stewart	Analog Devices Inc.	Analog Devices Inc.	y
Hideki Goto	Toyota	Toyota	y
IEEE 802.3(??)	????	????	y
James Withey	Fluke	Fluke	y
Jason Potterf	Cisco Systems, Inc.	Cisco Systems, Inc.	y
Johnn DeAndrae	II/VI Inc	II/VI Inc	y
Kae Dube	UNH-IOL	UNH-IOL	y

Kirsten Matheus	BMW Group	BMW Group	y
Lokesh Kabra	Synopsys Inc	Synopsys Inc	y
Luisma Torres	KDPOF	KDPOF	y
Mark Bordogna	Intel	Intel	y
Mark Dearing	Leviton	Leviton	y
Mark Laubach	Independent	Independent	y
Marty Gubow	Keysight Technologies	Keysight Technologies	y
Masato Shiino	Furukawa	Furukawa	y
Matthias Fritsche	HARTING Technologie Gruppe	HARTING Technologie Gruppe	y
Michael Paul	Analog Devices Inc.	Analog Devices Inc.	y
Michal Brychta	Analog Devices Inc.	Analog Devices Inc.	y
Michikazu Aono	Yazaki	Yazaki	y
Paul Vanderlaan	UL LLC	UL LLC	y
Peter Jones	Cisco Systems, Inc.	Cisco Systems, Inc.	y
Rich Boyer	Aptiv Signal and Power Solutions	Aptiv Signal and Power Solutions	y
Rick Frosch	Phihong USA Inc,	Phihong USA Inc,	y
Rita Horner	Synopsys	Synopsys	y
Rory Buchanan	OnSemi	OnSemi	y
Rubén Pérez-Aranda	KDPOF	KDPOF	y
Ryan Petrarca	TDK Corporation	TDK Corporation	y
Scott Griffiths	Rockwell Automation	Rockwell Automation	y
Scott Wade	WadeLux Limited	DiiA	y
Seamus Ryan	Analog Devices Inc.	Analog Devices Inc.	y
Sebastian Konewko	Rockwell Automation	Rockwell Automation	y
Stefan Gianordoli	GG Group	GG Group	y
Steffen Graber	Pepperl+Fuchs	Pepperl+Fuchs	y
Stephan Hartmann	Siliconally GmbH	Siliconally GmbH	y
Steve Carlson	High Speed Design, Inc.	Robert Bosch, Ethernovia	y
Sujan Pandey	Huawei	Huawei	y
Taiji Kondo	MegaChips	MegaChips	y
Talal Alhammami	diconium	VW	y
Thorrsten Hoffleit	Renesas	Renesas	y
Tim Baggett	Microchip Technology, Inc.	Microchip Technology, Inc.	y
Valerie Maguire	Siemon	Siemon	y
Viliam Vozar	ON Semiconductor	ON Semiconductor	y
Walter Downey	Dialog Semiconductor	Dialog Semiconductor	y
Wojciech Koczwar	Rockwell Automation	Rockwell Automation	y
Attendees			72

Attendance from IMAT (**BOLD** indicates no webex attendance)

Name	Employer	Affiliation
Aller, Harry		Innovative Lighting
Aono, Michikazu	Yazaki Corporation	Yazaki Corporation
Baggett, Tim	Microchip Technology, Inc.	Microchip Technology, Inc.
Beaudoin, Denis	Texas Instruments Incorporated	Texas Instruments Incorporated
bordogna, mark	Intel	Intel
Boyer, Rich	Aptiv - Signal and Power Solutions	Aptiv Signal and Power Solutions
Brandt, David	Rockwell Automation	Rockwell Automation
Brychta, Michal	Analog Devices Inc.	Analog Devices Inc.
Buchanan, Rory	ON Semiconductor	ON Semiconductor
Carlson, Steven	High-Speed Design Inc.	Robert Bosch GmbH
Cuesta, Emilio		TE Connectivity
Dawson, Fred	Chemours Canada Company	Chemours Canada Company
Deandrea, John	Finisar Corporation	Finisar Corporation
Dearing, Mark	Leviton Manufacturing Co.	Leviton Manufacturing Co.
DiBiasi, Eric	TE Connectivity	TE Connectivity
Fritsche, Matthias	HARTING Technologie Gruppe	HARTING Electronics GmbH
Frosch, Richard	Phihong USA Inc,	Phihong USA Inc,
gianordoli, stefan		GG-group
Goto, Hideki	Toyota Motor Corporation	TOYOTA MOTOR CORPORATION
Graber, Steffen	Pepperl+Fuchs AG	Pepperl+Fuchs SE
Gubow, Martin	Keysight Technologies	Keysight Technologies
Hartmann, Stephan		Siliconally GmbH
Horner, Rita	Synopsys, Inc.	Synopsys, Inc.
Hormeyer, Bernd	Phoenix Contact	Phoenix Contact
Huszk, Gergely	Self	KONE
ingrassia, alessandro	canova tech	canova tech
Jimenez, Andrew	Anixter Inc.	Anixter Inc.
Jones, Chad	Cisco Systems, Inc.	Cisco Systems, Inc.
Jones, Peter	Cisco Systems, Inc.	Cisco Systems, Inc.
Kabra, Lokesh	Synopsys, Inc.	Synopsys, Inc.
Kadry, Haysam	Ford Motor Company	Ford Motor Company
Koczwara, Wojciech	Rockwell Automation	Rockwell Automation
Koeppendoerfer, Erwin	LEONI Kabel GmbH	LEONI
Kondo, Taiji	MegaChips Corporation	MegaChips Corporation
Lackner, Hans	QoSCom GmbH	QoSCom - Quality in Communications - GmbH
Laubach, Mark	Broadcom Corporation	Self
Law, David	Hewlett Packard Enterprise	Hewlett Packard Enterprise
Maguire, Valerie	The Siemon Company	The Siemon Company
Marques, Flavio	FURUKAWA ELECTRIC	FURUKAWA ELECTRIC

mash, chris	Marvell Semiconductor, Inc.	Ethernovia Inc
Matheus, Kirsten	BMW Group	BMW Group
Mcclellan, Brett	Marvell Semiconductor, Inc.	Marvell Semiconductor, Inc.
New, Anthony		Prysmian Cables & Systems
Pandey, Sujan		Huawei Technologies (Netherlands) B.V.
Paul, Michael	Linear Technology	Linear Technology
Perez De Aranda Alonso, Ruben	Knowledge Development for POF SL	KDPOF
Petrarca, Ryan		TDK Corporation
Potterf, Jason	Cisco Systems, Inc.	Cisco Systems, Inc.
Regev, Alon	Keysight Technologies	Keysight Technologies
Shiino, Masato	FURUKAWA ELECTRIC	FURUKAWA ELECTRIC
Stewart, Heath	Analog Devices Inc.	Analog Devices Inc.
Thompson, Geoffrey	GraCaSI S.A.	INDEPENDENT
Torres, Luis	Knowledge Development for Plastic Optical Fiber	Knowledge Development for Plastic Optical Fiber
Tremblay, David	Hewlett Packard Enterprise	Hewlett Packard Enterprise
Vanderlaan, Paul	UL LLC	UL LLC
Voss, Robert	Panduit Corp.	Panduit Corp.
Vozar, Viliam		ON Semiconductor
Wade, Scott	WadeLux Limited	DiiA
Withey, James	Fluke Corporation	Fluke Corporation
Zimmerman, George	CME Consulting	CME Consulting/ADI, APL Group, CommScope, Cisco Systems, Marvell, and SenTekse