

Minutes for SPMD Study Group
Monday, January 20, 2020
Geneva, Switzerland
George Zimmerman

9:00am Chair calls meeting to order

9:01am The Chair introduces the agenda
(http://www.ieee802.org/3/SPMD/public/jan20/spmd_agenda_0120.pdf)

9:03am MOTION 1: Approve the agenda for the January 2020 SPMD SG meeting
Moved by Valerie Maguire
Seconded by Clark Carty
Motion passes by voice without opposition

9:04am MOTION 2: Approve the minutes for the Dec 18, 2019 & Jan 15, 2020 ad hoc meetings and the November 2019 meeting
Moved by Peter Jones
Seconded by Clark Carty
Motion passes by voice without opposition

The Chair covers the reflector, ground rules and the IEEE structure
The Chair asked if there were any members of the press were present, none responded.
The Chair reads the "Guidelines for IEEE-SA Meetings slides"
The Chair read the "IEEE Participation and Conduct" slides
9:17am Chair completes the opening agenda presentation

The Chair then moved into presentations
9:18 PRESENTATION 1: Cornelia Eitel presented SPMD Industrial Sensor Networks - Requirements for Determinism (http://www.ieee802.org/3/SPMD/public/jan20/Eitel_01_SPMD_0120.pdf)
Questions of clarification were asked and answered. No specific objectives were being requested, but discussion centered around issues of prioritization and how those might relate to PAR and 802.3 scope.

9:37 PRESENTATION 2: Scott Wade presented SPMD Usecase – Lighting control
(http://www.ieee802.org/3/SPMD/public/jan20/Wade_01_SPMD_0120.pdf)
Questions of clarification were asked and answered.

At 10AM the Chair called for the morning break
The meeting resumed at 10:20AM
10:20AM PRESENTATION 3: Gergely Huszak presented Objectives for the Elevator/Escalator and Automotive Segments - Topology Discovery (Ranging)
(http://www.ieee802.org/3/SPMD/public/jan20/Huszkak_01a_SPMD_0120.pdf)
Discussion included the need for just relative location or absolute distance, as well as whether the group is constrained to linear multidrop topologies or would support branching multidrop networks.
The presenter indicated he would be working on the wording of an objective to propose and welcomed participants to assist and review.

10:48AM PRESENTATION 4: Peter Jones presented Support for Standby PSE
(http://www.ieee802.org/3/SPMD/public/jan1520/spmd_01_011520.pdf)

Discussion centered on whether the group needed a specific objective for this functionality (and it was the opinion of the presenter and the Chair that a specific objective was not needed). There were also questions that needed to be answered to actually address the problem.

At 11:05, the presentations submitted on time were exhausted, the Chair asked the group's consent to hear the presentations that were submitted late. There was no objection.

11:09AM PRESENTATION 5: Chris Diminico presented SPE Multidrop Enhancements Mixing Segment Considerations Update

(http://www.ieee802.org/3/SPMD/public/jan20/diminico_SPMD_01_0120.pdf)

Discussion centered on getting simulations and measurements to support the objectives proposed.

11:42AM PRESENTATION 6: Wojciech Koczwara & George Zimmerman presented Impulse Immunity and FEC Objective

(http://www.ieee802.org/3/SPMD/public/jan20/Koczwara_Zimmerman_3SPMD_01_0120.pdf)

Discussion centered on desires for improving economic feasibility by not requiring an increase in clock rate (as was in the strawman), and on possible alternative ways of meeting the proposed objective through installation.

The group broke for lunch at 12:18PM

Lunch break recess

1:23 PM Back in session

1:23PM PRESENTATION 7: Piergiorgio Beruto presented Partial Networking on a Mixing-Segment

(http://www.ieee802.org/3/SPMD/public/jan20/3SPMD_beruto_0120.pdf) .

There was significant discussion of potential standby power requirements.

1:51PM PRESENTATION 8: Peter Jones presented on Strawman PAR text

(http://www.ieee802.org/3/SPMD/public/jan20/8023_spmd_par.pdf)

There was lively discussion on the scope of the PAR, resulting in an edited scope

At 2:50PM the group recessed for afternoon break.

The group reconvened at 3:12PM and discussion of the PAR scope resumed and concluded.

3:17PM PRESENTATION 9: Peter Jones presented on Strawman CSD text

(http://www.ieee802.org/3/SPMD/public/jan20/8023_spmd_csd.pdf)

The group edited the CSD responses in discussion.

3:50PM PRESENTATION 10: Peter Jones presented on Strawman Objectives

(http://www.ieee802.org/3/SPMD/public/jan20/8023_spmd_objectives.pdf)

(Updated CSD, PAR, and Objectives will be posted to the SPMD January 20, 2020 website as: 8023_spmd_csd_0120.pdf, 802_3da_par_Detail.pdf, and 8023_spmd_objectives_0120.pdf)

5:15PM start of motions

MOTION 3: Move to that the 802.3 SPMD Study Group adopt the draft CSD responses in 8023_spmd_csd_0120.pdf and forward to 802 for pre-circulation.

M: Mick McCarthy

S: Wojciech Koczwar

Approved by Voice (Procedural > 50%)

MOTION 4: Move to that the 802.3 SPMD Study Group adopt the draft PAR responses in 802_3da_PAR_Detail.pdf, and forward to 802 for pre-circulation.

M: Theo Brillhart

S: Gergely Huszak

Motion amended, by consent:

MOTION 4 (as amended): Move to that the 802.3 SPMD Study Group adopt the draft PAR responses in 802_3da_PAR_Detail.pdf, and forward to the 802.3 Chair for pre-circulation to 802.

M: Theo Brillhart

S: Gergely Huszak

Y: 19

N:0

A: 1

MOTION 5: Move to reconsider MOTION #3

M: George Zimmerman

S: Mick McCarthy

Passes by voice without opposition

MOTION 6: Move to that the 802.3 SPMD Study Group adopt the draft CSD responses in 8023_spmd_csd_0120.pdf and forward to 802 for pre-circulation

MOTION 7:

Motion to amend Motion 6 to read:

Move to that the 802.3 SPMD Study Group adopt the draft CSD responses in 8023_spmd_csd_0120.pdf, and forward to the 802.3 Chair for pre-circulation to 802.

M: Theo Brillhart

S: Clark Carty

MOTION 6 (as amended):

Move to that the 802.3 SPMD Study Group adopt the draft CSD responses in 8023_spmd_csd_0120.pdf, and forward to the 802.3 Chair for pre-circulation to 802.

Y:24

N:0

A:1

Future Meeting Straw Polls:

I will attend the SPMD Study Group the week of March 16-19 in Atlanta, Georgia USA:

Y: 14

N: 5

M: 5

I will attend the SPMD Study Group (or the 802.3da Task Force) the week of May 18, 2020
Y: 14 N: 1 M: 9 Motion Passes

MOTION 8:

Move that the 802.3 SPMD Study Group adopt the draft objectives in pages 2, 3, and 4 of
8023_spmd_objectives_0120.pdf

M: Peter Jones

S: Heath Stewart

Y: 21 N: 0 A: 2

Motion Passes

Straw Poll #3 (Gergely Huszak)

I support an objective relating to support a diagnostic mode which allows a PHY to discover the
physical topology of a mixing segment

Y: 13

N: 0

A: 10

Straw Poll #4 (Piergiorgio Beruto)

Choose 'a' or 'b':

a) I support defining an objective for the partial networking feature as presented in

http://www.ieee802.org/3/SPMD/public/jan20/3SPMD_beruto_0120.pdf

b) I do not support defining an objective for partial networking as above

A: 9

B: 0

I need more information to decide: 11

Having exhausted the agenda, the meeting was adjourned at 5:54PM.

SPMD

Study Group Attendance

Jan 2020

Initial to indicate attendance

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Name	Employer	Affiliation	Y20			
Chad Jones	CISCO	CISCO	CAT			
George Zimmerman	CME Consulting	ADI, Cisco, CommScope, Marvell, Senteles	Mag.			
CLARK CARTY	CISCO	CISCO	CAC			
SCOTT WADE	WADeLux/DiA	DiA	W			
Mick McCarthy	Analog Devices	Analog Devices	mmc			
Pete Jones	Cisco	Cisco	PJ			
Cornelia Ficht	HARTSCHMAN Autom.		CF			
Matthias Fritzsche	HARTING	HARTING	MF			
Hans Lackner	QoSCom	QoSCom	HL			
Bernd Hormmeyer	Phoenix Contact	same	UH			
NOJCIECH Kozłowski	Rockwell Automation	Rockwell Automation	NK			
Thomas Müller	Rosenberger	Rosenberger	TM			
MASOOD SHARIF	COMMScope	COMMScope	MS			
Tim Baggett	Microchip	Microchip	TB			
GERGELY HUSZAK	KONE	—	GH			
Piergiorgia Berato	Canva Tech	Canva Tech	h			
ALESSANDRO INGRASSIA	CANOVA TECH	CANOVA TECH	GI			
Rainer EVANS	NXP	NXP	RE			
Olaf Grau	Robert Bosch	Robert BOSCH	OG			
Thomas Hogenmiller	"	"	TH			

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