

Unconfirmed Meeting Minutes: IEEE 802.3 Enhancements to Point-to-Point Single Pair Ethernet Study Group

July 21, 2021

Teleconference

Prepared by Peter Jones and George Zimmerman

Meeting was called to order July 21, 2021 at 7:07 am PDT by George Zimmerman, SPEP2P Study Group Chair

Attendance for the meeting is listed in Appendix A

Mr. Zimmerman appointed Mr. Peter Jones reporting secretary for the meeting

The Chair reviewed the agenda.

Please see: https://www.ieee802.org/3/SPEP2P/public/agenda_3SPEP2P_01_07212021.pdf

The agenda was shown and approved by unanimous consent.

The Chair continued with the presentation agenda:

7:11AM PDT -- Mr. Zimmerman asked if anyone was attending from the press including those who would run a public blog on this meeting – there were no indications from the group.

7:11 AM PDT -- Mr. Zimmerman noted that there should be no recording or photography without permission.

7:19AM PDT -- IEEE Patent Policy

Mr. Zimmerman then reviewed the Study Group patent slides with the group.

Mr. Zimmerman reviewed the IEEE SA Copyright slides and the IEEE SA Participation slides, including the “Individual Process” slide, call for non-compliant members to leave meeting, none left.

Mr. Zimmerman reviewed the goals for the meeting, access to the reflector and website, and ground rules.

Mr. Zimmerman then continued review of the presentation, Big Ticket items for this meeting.

LIAISONS

No liaisons for the study group at this time

Attendance, Mr. Zimmerman advised the group that attendance will be taken from Webex attendee list

The Chair completed review of the agenda.

PRESENTATIONS

The Chair then moved to the presentations for the meeting.

Title: Comments on Proposed 802.3de PAR and CSDs from other WGs
(7:28am-7:42 PDT)

URL: https://www.ieee802.org/3/SPEP2P/public/zimmerman_3SPEP2P_072121.pdf

Presenter: George Zimmerman, CME Consulting/various

Description

Reviewed comments on the PAR & CSD

Title: Proposed PAR, CSDs and Objectives
(7:42am-7:51am PDT)

URL: https://www.ieee802.org/3/SPEP2P/public/Strawman_PAR_10Mb_TSN_Enh_d6b.pdf

URL: https://www.ieee802.org/3/SPEP2P/public/draft_objectives_05242021.pdf

URL: https://www.ieee802.org/3/SPEP2P/public/Strawman_CSD_10Mb_TSN_Enh_d3b.pdf

Presenter: George Zimmerman, CME Consulting/various

Description

Discussed possible changes.

Title: Motions on PAR, CSDs, Objectives
(7:54am-8:37am PDT)

URL:

Chair: George Zimmerman, CME Consulting/various & Steve Carlson

Description

Motions related to PAR, CSDs, Objectives

Motion 1

Enable use of the 10BASE-T1S PHY with Clause 99 MACMERGE in both half-duplex and full-duplex point-to-point modes.

Move: Peter Jones

Second: Bob Voss

Motion is discussed.

Geoff Thompson requested a change to the motion so that half duplex is "considered" rather than mandated for the project. He made a motion to amend to that effect. His motion failed for lack of a 2nd.

Roll call count commences ~ 8:12am - Meeting count: 48

Roll call count completes ~ 8:35am - Meeting count: 46

Y: 17

N: 1

A: 11

Motion passes.

Any objection to forwarding PAR/CSD? – No objections.

Chair requests meeting extension of 15 minutes to enable “ISO/IEC 11801-1 Amd1 SPE channels” to be heard after the CFI.

Call for Interest, Consensus Building Presentation: Greater than 10 Mb/s long-reach single-pair Ethernet PHY

(8:37am-9:10am PDT)

URL: https://www.ieee802.org/3/SPEP2P/public/SPE_long_term_cfi.pdf

Presenter: George Zimmerman, CME Consulting/various

Description

Study Group Question... - 8:58am

Should a study group be formed to study Greater than 10 Mb/s long-reach point-to-point Single-Pair Ethernet PHYs and Associated Powering?

Y: 28+1+1=30

N: 1

A: 2

Call Count: 44

Notes: - Gergely & George vote yes by voice

Straw Polls

9:01am

I would participate in the “Greater than 10 Mb/s long-reach point-to-point Single-Pair Ethernet PHYs and Associated Powering” Study Group in IEEE 802.3

Tally: 26

Call Count: 41

Notes: - George votes yes by voice

9:06am

I believe my affiliation would support my participation in the “Greater than 10 Mb/s long-reach point-to-point Single-Pair Ethernet PHYs and Associated Powering” Study Group in IEEE 802.3

Tally: 24

Call Count: 41

Notes: - George votes yes by voice

CFI Straw polls complete 9:10am

Closing business

Additional presentations (see below) to be deferred.

Title: ISO/IEC 11801-1 Amd1 SPE channels

URL: <https://www.ieee802.org/3/SPEP2P/public/ISOchannels July21-schicketanz.pdf>

Presenter: Dieter Schicketanz, Reutlingen Univ
Peter Fischer, BKS Kabel-Service AG

Title: Ethernet-APL Inline Connectors and Surge Protection Devices

URL:

https://www.ieee802.org/3/SPEP2P/public/graber_3SPEP2P_01_07212021.pdf

Presenter: Steffen Graber, Pepperl+Fuchs

Proposed liaison to ISO/IEC JTC1 SC25 WG3 has been prepared and posted. Chair displays the liaison.
Group discusses liaison text. Group consents to modified text.

THE MEETING ADJOURNED by motion (M: Geoff Thompson, S: Gergely Huszak) at 9:20am PDT.

Appendix A: Attendees at the IEEE 802.3 Enhancements to Point-to-Point Single Pair Ethernet Study Group, July 21 2021.

Name	Employer	Affiliation	Attended 07/21
Andrew Jimenez	Anixter	Anixter	y
Bernd Horrmeyer	Phoenix Contact	Phoenix Contact	y
Bob Voss	Panduit Corp.	Panduit Corp.	y
Clark Carty	Cisco Systems, Inc.	Cisco Systems, Inc.	y
Dave Hess	Cord Data	Cord Data	y
David D. Brandt	Rockwell Automation	Rockwell Automation	y
David Fan	Huawei	Huawei	y
David Law	Hewlett Packard Enterprise	Hewlett Packard Enterprise	y
David Tremblay	HPE	HPE	y
Dayin Xu	Rockwell Automation	Rockwell Automation	y
Denis Beaudoin	Texas Instruments	Texas Instruments	y
Dieter Schicketanz	Reutlingen University	Reutlingen University	y
Emilio Cuesta	TE Connectivity	TE Connectivity	y
Eric DiBiaso	TE Connectivity	TE Connectivity	y
Erwin Koeppendoerfer	Leoni Kabel GmbH	Leoni Kabel GmbH	y
Geoff Thompson	GraCaSI S.A.	Independent	y
George Zimmerman	CME Consulting	ADI, APL Group, Cisco Systems, CommScope, SenTekSe	y
Gergely Huszak	Self	Kone	y
Hans Lackner	QoSCom	QoSCom	y
Hao Ren	Huawei	Huawei	y
Harald Mueller	Endress + Hauser	Endress + Hauser	y
James Withey	Fluke	Fluke	y
Jamila J. Borda	BMW	BMW	y
Jason Potterf	Cisco Systems, Inc.	Cisco Systems, Inc.	y
Joe Aronson	Texas Instruments	Texas Instruments	y
Jon Lewis	Dell Technologies	Dell Technologies	y
Kent Lennartsson	Kvaser AB	Kvaser AB	y
Kirsten Matheus	BMW Group	BMW Group	y
Larry McMillan	Western Digital	Western Digital	y
Laura Schweitz	Turck	Turck	y
Matthias Fritsche	HARTING Technologie Gruppe	HARTING Technologie Gruppe	y
Matthias Wendt	Signify	Signify	y
Michal Brychta	Analog Devices Inc.	Analog Devices Inc.	y
Mike Tu	Broadcom	Broadcom	y
Paul Vanderlaan	UL LLC	UL LLC	y
Peter Fischer	BKS	BKS	y
Peter Jones	Cisco Systems, Inc.	Cisco Systems, Inc.	y
Peter Wu	Marvell	Marvell	y

Ragnar Jonsson	Marvell	Marvell	y
Ralf Peteranderl	Rosenberger	Rosenberger	y
Rich Boyer	Aptiv Signal and Power Solutions	Aptiv Signal and Power Solutions	y
Rory Buchanan	OnSemi	OnSemi	y
Sami Akin	Volkswagen AG	Volkswagen AG	y
Shimon Muller	Enfabrica	Enfabrica	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
Thomas Mueller	Rosenberger	Rosenberger	y
Thomas Rettig	Beckhoff Automation	Beckhoff Automation	y
Thuyen Dinh	Pulse Electronics	Pulse Electronics	y
Tim Baggett	Microchip Technology, Inc.	Microchip Technology, Inc.	y
Valerie Maguire	Siemon	Siemon	y
Victor Renteria	Bel Fuse	Bel Fuse	y
Wensheng Sun	Marvell	Marvell	y
Wes Mir	Aptiv	Aptiv	y
Woojung Huh	Microchip	Microchip	y
Attendees			56

