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

May 24, 2021

Teleconference

Prepared by Steven Carlson (HSD)

Meeting was called to order 24 May 2021 at 7:04 am (Pacific time) by Mr. George Zimmerman, SPEP2P Study Group Chair

Attendance for the meeting is listed in Appendix A

Mr. Zimmerman appointed Mr. Carlson reporting secretary for the meeting

The Chair reviewed the agenda.
Please see: https://www.ieee802.org/3/SPEP2P/public/agenda_3SPEP2P_01a_04282021.pdf

MOTION #1: Move to approve the agenda as shown in agenda_3SPEP2P_01a_05242021.pdf.

> **M: Chad Jones   S: Bob Voss**
>
> **Motion Passes by Unanimous Consent**

MOTION #2: Move to approve minutes of IEEE 802.3 Point-to-Point Single Pair Ethernet Enhancements Study Group for May 12, 2021 as posted (file r2)

M: Bob Voss   S: Chad Jones

> **Motion Passes by Unanimous Consent**

The Chair continued with the presentation agenda_3SPEP2P_01a_05242021.pdf:

•   7:10AM PDT -- Mr. Zimmerman asked if anyone from the press was attending including those who would run a public blog on this meeting – there were no indications from the group.
•   7:09AM PDT -- Mr. Zimmerman noted that there should be no recording or photography without permission.

7:16 AM PDT **IEEE Patent Policy**, Mr. Zimmerman asked if anyone had not seen the patent slides (slides 11-12) recently, none responded. Mr. Zimmerman then reviewed the Study Group Pre-PAR patent slides with the group.
7:21 AM PDT Mr. Zimmerman reviewed the **IEEE SA Copyright slides** (slides 13-14) and the **IEEE SA Participation** slides (slides 15-17)

Mr. Zimmerman reviewed the goals for the meeting, access to the reflector and website, and ground rules, including the WG motion from the November plenary meeting of the 802.3 WG to establish the Study Group.

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 IMAT

The Chair completed review of the agenda.

PRESENTATIONS

The Chair then moved to the presentations for the meeting.

Title: Proposed PAR text
URL: https://ieee802.org/3/SPEP2P/public/thompson_3SPEP2P_01a_05242021.pdf
Presenter: Geoff Thompson, Self/GraCaSi
Discussion produced edits which were incorporated into a "01a" revision, incorporated here:
https://www.ieee802.org/3/SPEP2P/public/Strawman_PAR_10Mb_TSN_Enh_d5.pdf

Title: Strawman Draft PAR for 10 Mb/s TSN Enhancements (d4) – pre meeting
URL: https://www.ieee802.org/3/SPEP2P/public/Strawman_PAR_10Mb_TSN_Enh_d5.pdf
Presenter: George Zimmerman, CME Consulting/ADI, APL Group, CommScope, Cisco Systems, Marvell, and SenTekse
Discussion produced edits which were incorporated into a "d5" draft.
https://www.ieee802.org/3/SPEP2P/public/Strawman_PAR_10Mb_TSN_Enh_d5.pdf

At 8:36AM PDT, the Chair asked the group for permission to extend the meeting end time to 9:30AM PDT. No one objected.

Title: Strawman Draft CSD for 10 Mb/s TSN Enhancements (d2) – pre meeting
URL: https://www.ieee802.org/3/SPEP2P/public/Strawman_CSD_10Mb_TSN_Enh_d3.pdf
Presenter: George Zimmerman, CME Consulting/ADI, APL Group, CommScope, Cisco Systems, Marvell, and SenTekse
Discussion produced edits which were incorporated into a "d3" draft, including results from the following straw poll:

Straw Poll #1: I would support enhancements to support TSN functionality for 10 Mb/s Single-Pair Ethernet Point-to-Point PHYs.
Individuals: 22 (includes the 2 individuals noted below)
Unique Affiliations: 18. (filled by the chair after postprocessing, and including the 2 individuals noted below)
27 individuals on the call.

The Chair announced that he had received by email indications from 2 individuals from 2 affiliations who could not be present on the call due to a conflict and asked if there would be objection in adding them to the totals as a "Yes". These two votes are included in the total.

https://www.ieee802.org/3/SPEP2P/public/Strawman_CSD_10Mb_TSN_Enh_d3.pdf

Title: Possible Objectives for 10 Mb/s TSN Enhancements – meeting input
URL: https://www.ieee802.org/3/SPEP2P/public/zimmerman_3SPEP2P_01_05242021.pdf
Presenter: George Zimmerman, CME Consulting/ADI, APL Group, CommScope, Cisco Systems, Marvell, and SenTekse

Discussion over the objectives produced a 'meeting output' draft:
https://www.ieee802.org/3/SPEP2P/public/zimmerman_3SPEP2P_01a_05242021.pdf

Mr. Zimmerman noted that if we want a PAR presented at the July meeting, we need to submit to the EC by 08Jun2021.

The following motions were offered:
Motion #3:
 Move to request the chair to forward the draft PAR (d5) and CSD (d3) to IEEE 802.3 and the 802 EC for consideration at the next opportunity
M: Peter Jones S: Bob Voss
(Technical >= 75%)
Motion Passes by Unanimous Consent

Motion #4:
 Move that the study group adopt objectives 1 and 3 on slide 3 of zimmerman_3SPEP2P_01a_05242021.pdf
M: Gergely Huszak   S: Mick McCarthy
(Technical >= 75%)
Motion Passes by Unanimous Consent

Mr. Zimmerman noted that the next meeting for the Study Group will be announced via the reflector.
Mr. Zimmerman also suggested that a tutorial slot for July be requested.

Mr. Zimmerman asked if there was any other business for the group, none responded.

Motion #5: Move to adjourn
M: Harald Muller   S: Michael Brychta
Motion Passes by Unanimous Consent

THE MEETING ADJOURNED AT 9:28 AM PDT.

Appendix A: Attendees at the IEEE 802.3 Enhancements to Point-to-Point Single Pair Ethernet Study Group, May 24, 2021. FROM WEBEX & IMAT – note that IMAT entries WITHOUT a webex entry are flagged with **RED** *highlighting in the IMAT column*

Last Name	First Name	Affiliation	Webex	IMAT
Baggett	Tim	Microchip	X	X
Barbero	Fernando	KDPOF	X	
Brychta	Michal	Analog Devices	X	X
Carlson	Steve	High Speed Design/Robert Bosch, Ethernovia	X	X
Carty	Clark	Cisco	X	X
Chiou	Dachen	DAN-CHIEF	X	X
Dearing	Mark	Leviton	X	X
diminico	chris	MC Communications/Panduit	X	
Fischer	Peter	BKS	X	X
Haasz	Jodi	IEEE SA	X	X
Hartmann	Stephan	Siliconally GmbH	X	X
Hess	Dave	Cord Data	X	X
Horner	R	Synopsys	X	
horrmeyer	bernd	Phoenix Contact	X	X
Huh	Woojung	Microchip	X	
Huszak	Gergely	Kone	X	X
Jones	Chad	Cisco	X	X
Jones	Peter	Cisco	X	X
Kadry	Haysam	Ford	X	X
Koeppendoerfer	Erwin	Leoni	X	X
Lackner	Hans	QoSCom GmbH	X	
Lu	Yuchun	Huawei Technologies, Inc.		X
Matola	Larry	Aptiv	X	
McCarthy	Mick	ADI	X	X
Müller	Harald	Endress-Hauser	X	X
Pohl	Christopher	Beckhoff Automation	X	X
Potterf	Jason	Cisco	X	X
Renteria	Victor	Bel Fuse/TRP Connectors	X	X
Rettig	Thomas	Beckhoff Automation	X	X
Stewart	Heath	ADI	X	X
Sun	Wensheng	Marvell	X	X
Thompson	Geoff	Self/GraCaSI S.A.	X	X
Vanderlaan	Paul	UL LLC	X	X
Voss	Bob	PANDUIT	X	X
Withey	James	Fluke Networks	X	X
Wu	Peter	Marvell	X	X
Yang	Yumeng	Huawei	X	X
Zimmerman	George	CME Consulting/ADI, APL Group, Cisco, CommScope, Marvell, SenTekSe	X	X