Unconfirmed Meeting Minutes: Meeting of the IEEE 802.3 Greater than 10 Mb/s Long-Reach Single Pair Ethernet Study Group

September 29, 2021
Electronic Study Group meeting

Prepared by Bob Voss

IEEE 802.3 Greater than 10 Mb/s Long-Reach Single Pair Ethernet Study Group meeting convened at 9:07AM CDT, Wednesday, September 29, 2021 by David Law, Chair of the IEEE 802.3 Working Group.

The meeting was held electronically via WebEx.

Attendance is listed in Appendix A

Administrative Matters

Mr. Law announced that he would be appointing Mr. Zimmerman as the study group chair.
Mr. Law appointed Mr. Voss reporting secretary for the meeting
Mr. Zimmerman accepted the nomination and left the teleconference for discussion of his nomination.

MOTION #1: Confirm George Zimmerman as the IEEE 802.3 Greater than 10 Mb/s Long-Reach Single Pair Ethernet Study Group
M: Chad Jones S: Gerge Huszak
Motion Passes by Unanimous Consent

Mr. Zimmerman (the Chair) reentered the teleconference. Mr. Law turned the meeting over to Mr. Zimmerman.

The Chair then proceeded with the agenda.

All presentations referenced in these minutes are located on the Study Group Meeting Materials site.

This being a teleconference meeting, the Chair asked that participants introduce themselves when speaking, in lieu of a formal roll call. There was no objection.

Mr. Zimmerman displayed the agenda in
https://www.ieee802.org/3/SPEP2P/public/agenda_3GT10M_01_09292021.pdf

Agenda approved at 9:13am CDT by unanimous consent

Members of the Press At 9:16am CDT the chair asked for any press members to identify themselves. None heard.

The chair resumed with the agenda deck.

At 9:21am CDT, Mr. Zimmerman resumed review of the agenda deck, including the following items – a review of the participation policy, a review of the IEEE copyright policy, a review of the IEEE policy on dominance, and a review of the IEEE Standards process. There were no questions

Attendance, Mr. Zimmerman advised the group that the attendance would be taken from Webex and IMAT.

IEEE Patent Policy, Mr. Zimmerman read aloud the pre-par patent slides at **9:25 AM CDT**.

Presentations and Discussion:
At **9:29AM CDT** the Chair moved on to the presentations.

Presentations: -

Chair previewed the PAR

"Greater than 10BASE-T1L" Power (start 9:44am CDT)
(Presented by Heath Stewart – Analog Devices)
https://www.ieee802.org/3/SPEP2P/public/Stewart_3GT10M_01_09292021.pdf

- Presenter presented presentation
- Questions asked and answered

Technical feasibility study: Supported reach of 100Mbit/s and 1000 Mbit/s (start 9:58am CDT)
(Presented by Dieter Schicketanz – Reutlingen University)
https://www.ieee802.org/3/SPEP2P/public/schicketanz_fischer_3GT10M_01_09292021.pdf

- Presenter presented presentation
- Questions asked and answered

Straw Poll (start 10:34am CDT)
(Presented by George Zimmerman – Chair of Study Group)
https://www.ieee802.org/3/SPEP2P/public/motions_and_straw_polls_3GT10M_01_09292021.pdf

- Straw Poll #1:
  I consider myself a subject matter expert on PHY technology and expect to contribute baseline text for the specification of a:

100 Mb/s long reach PCS/PMA/PMD: = 7
1000 Mb/s long reach PCS/PMA/PMD: = 5

- Straw Poll #2 (presented by chair of study group)

I would support a project to define 100 Mb/s and 1000 Mb/s long reach single pair Ethernet PHYs
Room Count = 36
Yes = 10
No = 9
No Opinion = 9
No Answer = 8

Discussion of PAR & CSDs
(Presented by George Zimmerman – Chair of Study Group)
https://www.ieee802.org/3/SPEP2P/public/PAR_3GT10M_01_09292021.pdf
https://www.ieee802.org/3/SPEP2P/public/CSD_3GT10M_01_09292021.pdf

Edits were made and the resulting files were posted.
https://www.ieee802.org/3/SPEP2P/public/PAR_3GT10M_01a_09292021.pdf
https://www.ieee802.org/3/SPEP2P/public/CSD_3GT10M_01a_09292021.pdf

The Chair determined that we are unable to pre-submit PAR and CSD for consideration at November 2021 plenary as the group has not reached consensus.

Presentations and discussion concluded at 10:57AM CDT

Future Meetings
Next regular meeting will be held 13 Oct 2021 at 7am Pacific Time.

The chair called for any other topics to discuss, none heard.

Motion to adjourn by Bob Voss, seconded by Val Maguire at 11:00AM CDT.
Motion passes by unanimous consent. Meeting adjourned at 11:00AM CDT.

Appendix A: Attendees at the IEEE P802.3 Enhancements to Point-to-Point Single Pair Ethernet Study Group meeting

First Name	Last Name	Affiliation	Webex	IMAT
Sami	Akin	VW AG	X	X
Joseph	Aronson	Texas Instruments	X	X
Tim	Baggett	MicroChip	X	X

David	Brandt	Rockwell Automation	X	X
Theo	Brillhart	Fluke Networks	X	X
Michal	Brychta	Analog Devices	X	X
Rory	Buchanan	OnSemi	X	X
Steve	Carlson	HSD, Bosch, Ethernovia	X	X
Clark	Carty	Cisco	X	X
Jae-yong	Chang	Keysight	X	
John	Deandrea	Finisar	X	X
Curtis	Donahue	Rohde & Schwarz	X	X
Kae	Dube	UNH-IOL	X	X
Peter	Fischer	BKS Kable-Service AG	X	X
Matthias	Fritsche	Harting	X	X
Steffen	Graber	pepperl-fuchs	X	X
Scott	Griffiths	Rockwell Automation	X	
Jodi	Haasz	IEEE-SA	X	X
Marek	Hajduczenia	Charter	X	X
Xiang	He	Huawei	X	X
Dave	Hess	Cord Data	X	X
Thorsten	Hoffleit	Renesas	X	X
Gerge	Huszak	Kone	X	X
Andy	Jimenez	Anixter	X	X
Chad	Jones	Cisco	X	X
Peter	Jones	Cisco	X	X
Hans	Lackner	QoSCom GmbH	X	X
Mark	Laubach	Self	X	X
David	Law	HPE	X	X
Valerie	Maguire	Siemon	X	X
Harald	Mueller	Endress + Hauser	X	X
Brian	Murray	Analog Devices	X	
Christian	Neulinger	MD Elektronik	X	X
Sujan	Pandey	Huawei	X	X
Ralf	Peteranderl	Rosenberger	X	X
Jason	Potterf	Cisco	X	X
Victor	Renteria	Bel Fuse/TRP Connectors	X	X
sam	sambasivan	AT&T	X	X
Dieter	Schicketanz	Reutlingen University	X	
Ken	Schneider	Telebyte	X	
Stephan	Schreiner	Rosenberger	X	X
Heath	Stewart	Analog Devices	X	X
Wensheng	Sun	Marvell	X	X
Geoff	Thompson	GraCaSI S.A./self	X	X
Paul	Vanderlaan	UL	X	X

Bob	Voss	Panduit	X	X
Xinyuan	Wang	Huawei	X	X
James	Withey	Fluke Networks	X	X
Peter	Wu	Marvell	X	X
Dayin	Xu	Rockwell Automation	X	
George	Zimmerman	CME Consulting/ADI, APL Group, Cisco, CommScope, Marvell, SenTekSe	X	X