Unconfirmed Meeting Minutes: IEEE P802.3dm Asymmetrical Electrical Automotive Ethernet Task Force Channel and Noise Ad Hoc

August 1, 2024
Ad Hoc Meeting

Prepared by Natalie Wienckowski

IEEE P802.3dm Ad Hoc meeting convened at 7:02 AM PDT, Thursday, August 1, 2024, by George Zimmerman, IEEE P802.3dm Channel and Noise Ad Hoc Chair.

Attendance is listed in Appendix A

Presentation: agenda_3dm_01_20240801.pdf – attachment to: https://www.ieee802.org/3/ISAAC/email/msg00179.html
Presenter: George Zimmerman, Chair.

George Zimmerman turned to presentation agenda_3dm_01_20240801.pdf and reviewed the agenda for the meeting.

Approval of Agenda: The chair asked whether there were additions or corrections to the agenda, and there were none. He announced that the agenda was approved.

- George Zimmerman noted that there should be no recording or photography without permission.
- George 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,

George Zimmerman then continued review of the presentation, reviewing decorum, information for the reflector, private area, and ground rules.

The Chair announced that as this meeting was an electronic Task Force ad hoc meeting, under 802.3 rules, only working group voters may vote, however, as an ad hoc, no voting was expected - only procedural votes might be taken.

George Zimmerman continued review of the IEEE SA structure, where to find the rules, and asked whether anyone in the room or online had not seen the various policy slides this week. There were no responses. He therefore announced that he would show the slides and summarize.

Attendance, the Chair advised the group that attendance would be taken from the WebEx log. He then reminded attendees that they should show their employer & affiliation, and how to set these to make them correct. If anyone is unable to change what is displayed for their name, they were requested to post their name and affiliation in the chat.

IEEE SA Patent Policy, George Zimmerman reviewed slides 0 through 4 of the IEEE SA Patent Policy and read aloud slides 1 through 4 of patent policy for Task Forces and made the call for patents (7:12 am).

There was no response to the call for patents at 7:13 am.

Other IEEE Policies
George Zimmerman read aloud the slides on the IEEE SA copyright, Participant behavior (ethics), IEEE individual participation, and fair and equitable consideration policies. (7:14 am). There were no questions.

PRESENTATIONS

The Chair then moved to the presentations for the meeting.

(7:21AM)
Title: Channel discussion summary
URL: jonsson_3dm_01_08_01_24.pdf
Presenter: Ragnar Jonsson (Marvell)
Discussion: The presenter presented material summarizing the presentations on the link segment and channel from the July Plenary.
Questions were asked and answered. A list of questions for future presentation topics was created.

Questions to be answered (Future presentation topics to consider)

From what point to what point do we need to define? Link segment only, include MDI, include PCB limits?

Do we want to define separate differential and single ended requirements? Focus on Coax first.

How much of the coax cable needs to be the flexible cable? Percentage of total length, max number of meters regardless of total length, etc.

A better understanding of coax cable connector reflections and current limit lines in other organizations is needed.

More discussion is needed on noise models.

Is 15m with 4 in-lines the cable over the lifetime of the cable over the specified operating conditions, or are the limits based on the new cable only?

FUTURE MEETINGS

The next meeting will be held on August 14 at 7 am PDT (10 am EDT, 16:00 CEST).

Please send presentation requests by August 9th at noon PDT. Presentations are due by noon PDT on August 12th.

Motion to adjourn.
M: Geoff Thompson
S: Ragnar Jonsson
Motion passed by unanimous consent.

George Zimmerman adjourned the meeting at 9:01 AM PDT.

Appendix A: Attendees at the IEEE P802.3dm Asymmetrical Electrical Automotive Ethernet Channel and Noise Ad Hoc Meeting, August 1, 2024

Last Name	First Name	Affiliation
Ahuja	Ramanjit	Onsemi
Alwishah	Abbas	Molex
Anh-Tran	Ky	Aeonsemi
Bar-Niv	Amir	Marvell
boyer	rich	Aptiv
Chini	Ahmad	Broadcom
Cordaro	Jay	ADI
Dalmia	Kamal	Aviva Links
De Sousa	Jonathan	GG-Group
Fellhauer	Felix	Bosch
Ferretti	Vince	Corning
Fuller	Paul	Marvell
Gauthier,	Claude	NXP
Goel	Sachin	Aviva Links
Gorshe	Steve	Microchip
Hoshino	Masayuki	Continental
Hyakutake	Yasuhiro	Orbray
Jonsson	Ragnar	Marvell
Kikuta	Tomohiro	Orbray Co. Ltd
Kleinwaechter	Mathias	in tech
Lefkin	Peter	MIPI Alliance
Liebl	Christian	Continental
Lou	Wei	Broadcom
Maguire	Valerie	Copperopolis, affl w/CME Consulting and Cisco
McCarthy	Frank	Marvell
McClellan	Brett	Marvell
Ng	Tiaq	Aviva
Niihara	Yoshihiro	Fujikura, Ltd.
Pandey	Sujan	Huawei
Pischl,	Neven	Broadcom
razavi	Alireza	marvell
Ringel	Haim	GM
Sayre	Ed	NESA
Sedarat	Hossein	Ethernovia
Sharma	Rohit	Molex
Shiino	Masato	FURUKAWA ELECTRIC
Sugathan	Nived	Daimler Truck

Tazebay,	Mehmet	Broadcom
Thompson	Geoff	GraCaSi/Independent
Tu	Mike	Broadcom
Turner	Max	Ethernovia
Wagenbrenner	Jochen-Klaus	CARIAD SE
Wang	Frank S.S.	Realtek
Wienckowski	Natalie	IVN Solutions; Ethernovia
Wu	Peter	Marvell
Zerna	Conrad	Aviva Links
Zherebtsov	Aleksei	Marvell
Zimmerman	George	CME Consulting/ADI, APL Gp, Cisco, Marvell, OnSemi, SenTekSe, Sony