

Unconfirmed Meeting Minutes: IEEE P802.3dm Asymmetrical Electrical Automotive Ethernet Task Force Electronic Interim

April 17, 2025
Revised 28 July 2025
Electronic Interim Meeting

Prepared by George Zimmerman

IEEE P802.3dm Electronic Interim meeting convened at 10:05 AM EDT, Thursday, April 17, 2025, by Jon Lewis, IEEE P802.3dm Chair.

Attendance is listed in Appendix A

Presentation: [agenda_adhoc_3dm_01_041725.pdf](#)

Presenter: Jon Lewis, Chair.

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.

Approval of Prior Meeting Minutes: The chair asked whether there were any objections to approving the minutes from the 24 March 2025 ad hoc meeting posted at
https://ieee802.org/3/dm/public/adhoc/032425/Unconfirmed_minutes_3dm_040125.pdf.

There was no objection. (Note: Minutes from the 27 February 2025 ad hoc and the 10 March 2025 plenary meeting were not yet posted and would be posted and considered for approval at a later date.)

The Chair continued review of the agenda presentation.

Jon Lewis noted that there should be no recording or photography without permission.

Jon Lewis 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.

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

Private Area: The credentials for the private area were shared. Please contact Jon Lewis if you need these as they will not be included in the posted material.

The chair discussed voting on motions, that since this was an electronic meeting, all motions were working group voters only and would be taken via DirectVoteLive and recorded by roll call, if there were any objections.

Attendance, the Chair advised the group that attendance would be taken from the Zoom log and IMAT. He then reminded attendees that they should show their employer & affiliation, and how to set these to make them correct. Assistance was offered in case anyone could not rename themselves.

IEEE SA Patent Policy, Jon Lewis 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 (**10:12 am**).

There was no response to the call for patents at **10:13 EDT am**.

Other IEEE Policies

Jon Lewis read aloud the slides on the IEEE SA copyright, Participant behavior (ethics), IEEE individual participation, and fair and equitable consideration policies. (6:01 am) --There were no questions.

Jon Lewis turned to presentation [agenda_adhoc_3dm_01_041725.pdf](#) and reviewed the agenda for the meeting.

He noted that the presentations would be presented in the order listed on the website (see: <https://www.ieee802.org/3/dm/public/041725/index.html>)

ANNOUNCEMENT: Straw Polls

Before turning to presentations. The chair noted that during the March 27 ad hoc, straw polls were taken. The chair announced that while he had correlated the roll-call information for the straw polls, he had not announced that the roll-call information on the ad hoc was collected. Since that time, at least one individual had seen at least some of the information. In fairness, the Chair announced that at the May 1 meeting, he would display the information and ask for the group's consent to publish in the minutes.

The chair then further announced that going forward, all straw polls would be taken by roll call, and he announced a new process (for meetings after today's) where straw-poll roll-call data would be available in real-time during the meeting.

(NOTE – roll call of this meeting's straw poll was lost due to an issue with the teleconference tool and, after multiple attempts, was not recoverable.)

PRESENTATIONS

(10:23AM) The Chair then moved to the presentations for the meeting.

(10:23AM)

Title/URL: [Link Synchronization for ACT](#)

Presenter: Hossein Sedarat, Ethernovia

Discussion: The presenter discussed a traditional PRBS signal for link-synchronization, and studies the options for the length of the PRBS.

Questions were asked and answered.

(10:37AM)

Title/URL: [Modulation Independent Baseline Text Proposal](#)

Presenter: Ragnar Jonsson, Marvell

Discussion: The presenter discussed a baseline text proposal for the 802.3dm draft.

The proposed text is intended to be independent of the detailed modulation specification and therefore independent of the ACT vs TDD modulation debate

Questions were asked and answered.

Following the presentation, a Straw Poll was held:

Straw Poll 1:

Regarding the text proposed on slides 4-22 of Jonsson_3dm_01_04_17_25 (single choice)

I am ready to vote in favor of adopting this text as baseline text: 13/50 (26%)

I am ready to vote for adopting some of this text, but not all clauses: 11/50 (22%)

I would vote against adopting this text as baseline text: 3/50 (6%)

I agree with the text in principle, but need more time to review the text in detail: 8/50 (16%)

I need more information before voting on adopting this text: 15/50 (30%)

Due to an issue with the zoom tool, the Chair announced that he was unable to share the detailed results, but committed to posting those results once the issue is resolved. However, after multiple attempts, roll call of this meeting's straw poll was lost due to an issue with the teleconference tool, and is not recoverable.

During the discussion following the straw poll the Chair had to remind ~~Kamal Dalmia~~ the group of the rules concerning decorum for the meeting.

(11:03 AM)

Title/URL: [Link Segment related Text for STP and COAX Media](#)

Presenter: Kamal Dalmia, Aviva Links

Discussion: The presenter addressed cable length related text for sections 200.1.4, 200.11 and 200.12. The chair asked questions to focus on questions of clarification. Questions were asked and answered.

(Note – the following two presentations, from the same presenter, were swapped in order of presentation from what was displayed on the website.)

(11:37 AM)

Title/URL: [Radiated RF Emission Testing of an Automotive TDD PHY w/ STP](#)

Presenter: Kamal Dalmia, Tiaq Ng, Conrad Zerna, Hoei Lim - Aviva Links

Discussion: The presenter discussed RF emission aspects of a TDD PHY on coax.

At 11:46, during the presentation, the chair, Mr. Lewis, announced (via the chat) that he needed to step away from the meeting and handed chair of the meeting over to Ms. Wienckowski, the Task Force Vice Chair.

Following the presentation, Questions were asked and answered.

(12:05 PM)

Title/URL: [Radiated RF Emission Testing of an Automotive TDD PHY w/ COAX](#)

Presenter: Kamal Dalmia, Tiaq Ng, Conrad Zerna, Hoei Lim - Aviva Links

Discussion: The presenter discussed RF emission aspects of a TDD PHY on STP. Questions were asked and answered. During Q&A, a request was made by a participant to update the presentations posted with the clarification verbally made that the statements about existing solutions were the opinion of the authors. Another presenter also asked for data to be presented on such existing solutions.

(12:24 PM)

Title/URL: [EMC burst noises](#)

Presenter: Conrad Zerna - Aviva Links

Discussion: The presenter discussed an overview of automotive EMC immunity test burst noises and their characteristics in shielded cable media.

Questions were asked and answered.

During the discussion, the chair (Ms. Wienckowski) asked multiple participants to take further discussion offline (to the reflector).

(12:49 PM)

Chairs comments

Mr. Lewis rejoined the meeting and resumed the duties of Chair.

FUTURE MEETINGS

There is an interim call scheduled for May 1st.

P802.3dm will meet during the 802.3 Interim in May.

Having exhausted the agenda, the meeting was adjourned at **12:50 PM EDT**.

Appendix A: Attendees at the IEEE P802.3dm Asymmetrical Electrical Automotive Interim Meeting, April 17, 2025.

Last Name	First Name	Affiliation	Employer	IMAT
Ahuja	Ramanjit	"On Semi; ON Semiconductor"	ON Semiconductor	X
Benyamin	Saied	Ethernovia	Ethernovia	X
Boyer	Rich	Aptiv	Aptiv - Signal and Power Solutions	X
Chimento	Nicholas	Analog Devices Inc.		X
Chini	Ahmad	broadcom	Broadcom Corporation	X
Cimet	Eyal	Waymo		X
Cordaro	Jay	Analog Devices	Analog Devices	X
Dalmia	Kamal	Aviva links	Aviva Links Inc	X
Estrakh	Daniel	Valens Semiconductor	Valens Semiconductor	X
Fuller	Paul	Marvell		X
Ganesan	Aravind	Texas Instruments	Texas Instruments Inc.	X
Gauthier	Claude	NXP	NXP Semiconductors	X
Goel	Sachin	Aviva Links Inc; Aviva Links Inc.	Aviva Links Inc	X
Gopal	Amrit	Ford Motor Company	Ford Motor Company	X
Gorshe	Steven Scott	Microchip Technology, Inc.	Microchip Technology, Inc.	X
Graba	James	Broadcom Corporation	Broadcom Corporation	X
Gupta	Ajeya	General Motors Company		X
Hoshino	Masayuki	Continental Automotive		X
Houck	TJ	Marvell	Marvell Semiconductor, Inc.	X
HYAKUTAKE	YASUHIRO	Orbray Co., Ltd.	Orbray Co., Ltd.	X
Jones	Chad	Cisco Systems, Inc.	Cisco Systems, Inc.	X
Jonsson	Ragnar	Marvell	Marvell Semiconductor, Inc.	X
Kapoor	Samay	Aviva Links	Aviva Links	X
Kikuta	Tomohiro	Orbray Co., Ltd.	Orbray Co., Ltd.	X
Kim	Do Kyun	LG ELECTRONICS		X
Kim	Minji	LG ELECTRONICS		X
Klaus-Wagenbrenner	Jochen	CARIAD SE	CARIAD SE	X
Koeppendoerfer	Erwin	Leoni Kabel GmbH	LEONI Kabel GmbH	X
Lasry	Ariel	Qualcomm Technologies, Inc	Qualcomm Technologies, Inc	X
Law	David	Hewlett Packard Enterprise	Hewlett Packard Enterprise	X
Lee	Ching-Yen	Realtek Semiconductor Corp.		X

Last Name	First Name	Affiliation	Employer	IMAT
Lewis	Jon	Dell Technologies	Dell Technologies	X
Lim	Hoei	Aviva Links Inc; Aviva Links Inc.		X
Lin	YK	Realtek Semiconductor Corp.		X
Lo	William	Axonne	Axonne Inc.	X
Long	Richard	TE Connectivity		X
Lou	Wei	Broadcom Corporation		X
Maguire	Valerie	The Siemon Company	Copperopolis	X
Matheus	Kirsten	BMW	BMW Group	X
McClellan	Brett	Marvell Semiconductor, Inc.	Marvell Semiconductor, Inc.	X
Murray	Brian	Analog Devices	Analog Devices Inc.	X
Ng	Hiok Tiaq	Aviva Links Inc.	Aviva Links Inc.	X
NIIHARA	YOSHIHIRO	Fujikura Ltd.	Fujikura Ltd.	X
Oberg	Mats	Marvell	Marvell Semiconductor, Inc.	X
Pineda	Luis	LP Tech Advisors, LLC (Samsung; 7Rays; Ethernovia)	LP Tech Advisors, LLC	X
Pischl	Neven	Broadcom Corporation	Broadcom Corporation	X
Razavi	Alireza	Marvell	Marvell	X
Sakunia	Saket	Marvell Semiconductor, Inc.		X
Sedarat	Hossein	Ethernovia	Ethernovia	X
Sharma	Rohit	Molex LLC		X
shirani	ramin	Ethernovia	Ethernovia	X
Strohmeier	Heiko	Robert Bosch GmbH	Robert Bosch GmbH	X
Tanc	Ahmet	NXP Semiconductors		X
TAZEBAY	MEHMET	Broadcom	Broadcom Corporation	X
Thompson	Geoffrey	GraCaSI S.A.	GraCaSI S.A.	X
Torres	Luisma	KDPOF	Knowledge Development for Plastic Optical Fiber	X
Tu	Mike	Broadcom Corporation	Broadcom Corporation	X
Turner	Max	Ethernovia	Ethernovia	X
Vakilian	Kambiz	broadcom	Broadcom Corporation	X
Veloso Cauce	Gumersindo	BMW AG	BMW Group	X
Wang	Shun-Sheng	Realtek Semiconductor Corp.	Realtek Semiconductor Corp.	X
Wienckowski	Natalie	In-Vehicle Networking Solutions, LLC	IVN Solutions LLC	X

Last Name	First Name	Affiliation	Employer	IMAT
Wu	Peter	Marvell Semiconductor, Inc.	Marvell Semiconductor, Inc.	X
Zerna	Conrad	Avivalinks Inc.	Aviva Links Inc	X
Zimmerman	George	CME Consulting/Analog Devices, APL Group, Cisco, Marvell, OnSemi, SenTekSe LLC, Sony	CME Consulting, Inc.	X