

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

March 9 & 11, 2026
IEEE 802 Plenary, Vancouver, BC Canada

Prepared by George Zimmerman & Bob Voss

See Appendix A for Attendance

See Appendix B for Motion records

IEEE P802.3dm Task Force meeting convened at **13:22 PDT (GMT-7), Monday, March 9, 2025**, by Natalie Wienckowski, IEEE P802.3dm Task Force Chair.

ALL TIMES ARE IN PDT:

Presentation: https://www.ieee802.org/3/dm/public/0326/agenda_3dm_01d_0326.pdf

Presenter: Natalie Wienckowski, Chair

Approval of Agenda: The chair asked whether there were additions or corrections to the agenda, shown on slide 3 of the presentation [agenda_3dm_01d_0326.pdf](#). She then asked if there were any objections to approving the agenda as displayed. Hearing none, she announced that the agenda was approved.

The presentation [agenda_3dm_01d_0326.pdf](#) will be referred to as “the agenda deck” in these minutes. Note that on day 2, an updated version of the deck, correcting some typos was used.

Previous Meeting Minutes: The chair announced the minutes from previous Task Force meetings were posted, and requested that they be approved.

Motion #1:

To approve the following meeting minutes:

January interim: https://www.ieee802.org/3/dm/public/011426/minutes_3dm_01_011526.pdf

January 15 OOC interim: https://www.ieee802.org/3/dm/public/011426/minutes_3dm_01_011526.pdf

M: Ragnar Jonsson

S : William Lo

MOTION PASSES WITHOUT OBJECTION

(13:29)

The Chair then resumed the review of the agenda deck.

Ms. Wienckowski noted that there should be no recording or photography without permission.

Ms. Wienckowski 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. **(13:30)**

The chair discussed decorum and processes for joining the queue using the conference tool.

The chair discussed the goals of the meeting.

The chair announced that the meeting was being conducted as part of the IEEE 802 Plenary meeting and that registration, including payment of meeting fees, was required for attendees. She further announced that attendance without properly registering is subject to penalties under IEEE 802 rules.

Ms. Wienckowski then continued review of the presentation, reviewing information for the reflector, private area, and ground rules.

The Chair announced that this meeting was being conducted as a hybrid meeting. Because the 802.3 Working Group chair had declared hybrid meetings as electronic meetings, under 802.3 rules, only working group voters may vote on motions, and that anyone in the meeting could vote in straw polls. In the agenda deck she provided a link to the IEEE 802.3 Ethernet Working Group Operations Manual for further information.

Attendance

The chair reminded the group that attendance credit would be taken from IMAT, and that as announced by the 802.3 Working Group Chair, IMAT registration would be for individual slots (AM1, AM2, PM1, and PM2) through the plenary session meeting days.

The chair reminded the group that meeting participants can only claim IMAT attendance credit if they attend 75% of a meeting slot's duration, and that officers may remove IMAT attendance if a participant is found to attend less than 75% of a slot's duration. She further reminded the group of the rules for gaining and maintaining voting rights, including responding to working group letter ballots.

The Chair advised the group that attendance would be taken from IMAT, and that Webex attendance would be used to reconcile the attendance, but IMAT was the official record. She then reminded attendees that they should show their employer & affiliation, and how to set these to make them correct.

IEEE Structure, Policies

Ms. Wienckowski continued review of the IEEE SA structure, where to find the bylaws, policies & procedures documents, and operations manuals which hierarchically govern IEEE SA, IEEE 802 LMSC, and IEEE 802.3 activities.

IEEE SA Patent Policy, Ms. Wienckowski reviewed the IEEE SA Patent Policy. During this, she showed slide 1 (of the IEEE SA patent policy slides, slide 21 of the agenda deck) and read aloud slide 2 of the IEEE SA patent policy (slide 22 of the agenda deck), and made the call for patents on the slide labeled "Ways to Inform IEEE" **(13:38)**.

There was no response to the call for patents at **(13:39)**. She then showed and read aloud slide 3 of the patent policy and showed slide 4 of the patent policy.

Other IEEE Policies

Ms. Wienckowski showed and read aloud the slides on the IEEE SA copyright, Participant behavior (ethics), IEEE individual participation, fair and equitable consideration policies, meeting decorum, and IEEE Ethics reporting line information, as shown in the agenda deck (slides 25-32). **(13:43)**
There were no questions.

Ms. Wienckowski reviewed the standards development process for IEEE 802.3 and where this Task Force is in that process. She reviewed and showed slides documenting the chair's ruling on the procedure for conducting task force review of proposed draft text, as well as the 802.3 Working Group Operations Manual's requirement for a 75% task force vote for the Task Force to forward a draft to the working group (slide 35).

LIAISONS

The chair noted that the Task Force had received no liaisons.

Order of Presentations

The Chair reviewed the proposed order of presentations mixing comment resolution with presentations unrelated to comments. She noted that there was time between the sessions Monday and Wednesday for participants to work offline to form consensus, and resolve comments.

PRESENTATIONS

The Chair then moved to the presentations for the meeting.

(13:48)

Title: Editor's Mid Report

URL: https://www.ieee802.org/3/dm/public/0326/wienckowski_3dm_02a_0326.pdf

Presenter: Natalie Wienckowski, IVN Solutions / Chief Editor

Discussion: The presenter discussed progress made during the OOC telephonic comment resolution meeting (5 March 2026), and comments that had been updated.

There were no questions.

(13:50)

Comments requiring more discussion (controversial)

The chair then entered the comment database, addressing the more controversial topics, with an announced time limit of 10 minutes per comment.

During comment resolution, the following presentations were heard:

Comment 126:

Title: Discussion on Annex 201A

URL: https://www.ieee802.org/3/dm/public/0326/Lo_3dm_01_030926.pdf

Presenter: William Lo, Axonne

Discussion: The presenter discussed the motivation behind delay specifications, and the relation to asymmetric PHYs.

There were no questions, as there was no time left for questions on this comment. The chair urged individuals to contact the presenter during the break with questions.

Comments 256 & 257:

Title: Comments 256 & 257 (Additional D0.b comments associated with adding 7.5 Gb/s and 1 Gb/s High-Speed Operation)

URL: https://www.ieee802.org/3/dm/public/0326/gorshe_3dm_03b_0326.pdf

Presenter: Steve Gorshe & Scott Muma, Microchip

Discussion: The presenter discussed changes needed outside of clause 202 in order to enable the addition of 1 Gb/s and 7.5 Gb/s rates to d0.b.

There were questions from participants and discussion, which was encouraged to be continued during the break.

Comment 257:

Title: 7.5 Gb/s Rate Considerations

URL: https://www.ieee802.org/3/dm/public/0326/gorshe_3dm_02a_0326.pdf

Presenter: Steve Gorshe & Scott Muma, Microchip

Discussion: The presenter discussed considerations for adding a 7.5 Gb/s rate to the project.

There were questions from participants and discussion, which was encouraged to be continued during the break.

Comment 191:

Title: Comment 191: Broad Band Noise Test Specification for Clause 202

URL: https://www.ieee802.org/3/dm/public/0326/Chini-3dm_01a_0226.pdf

Presenter: Ahmad Chini, Broadcom

Discussion: The presenter discussed a broadband noise specification for clause 202 similar to 201.6.3.2. However, unlike 201.6.3.2, the proposed specification would be informative in clause 202.

(15:05) Having completed the scheduled comments requiring more discussion, the Chair re-opened discussion of comment 257 (7.5 Gb/s rate) resuming where the queue had been cut off in the previous discussion due to lack of time.

At 15:15, the chair announced that the scheduled time had been exhausted, and the group would recess for afternoon break, to resume at 15:30.

<AFTERNOON BREAK>

General Comment Resolution

At 15:34 the meeting resumed, moving on to general comment resolution – without the time limitation. See comment resolution database for detailed responses.

At 18:01 she recessed the meeting for the evening, to reconvene at 08:00 PDT on Wednesday 11/11/2025.

----- BREAK FOR DAY 1 -----

The meeting convened for the day at **08:03 PDT** Wednesday, March 11, 2026.

At the start of the morning session, Mr. Bob Voss took on the task of recording secretary.

At the start of Wednesday, the chair displayed the agenda deck, [agenda 3dm 01d 0326.pdf](#).

Since the task force was in recess from the prior day, the chair abbreviated reading the front matter.

At **8:05**, the chair asked if there were any members of the press present. There were no responses.

The chair asked the Task Force whether anyone had not reviewed the IEEE patent policy, IEEE SA copyright policy, Participant behavior (ethics), IEEE individual participation, and fair and equitable consideration policies shown in [agenda 3dm 01d 0326.pdf](#). There were no responses.

The chair made the call for patents **08:06**. There were no responses.

The chair showed the slides on the IEEE patent policy, IEEE SA copyright policy, Participant behavior (ethics), IEEE individual participation, and fair and equitable consideration policies shown in [agenda 3dm 01d 0326.pdf](#), and there were no questions.

The chair reminded the group that the meeting was being conducted under the individual process, and that if they could not abide by the individual process, then to leave the meeting.

The chair resumed comment resolution at **08:08**

At **9:25**, the chair moved to presentations on Distinct Identity. The following presentations were given:

Title: TDD Distinct Identity Statement

URL: https://www.ieee802.org/3/dm/public/0326/gorshe_3dm_01a_0326.pdf

Presenter: Steve Gorshe, [Microchip Technology]

Discussion: The presenter discussed a proposed distinct identity statement. Questions were asked and answered.

Title: Distinct Identity for Clauses 201 and 202 & Suggested Objectives

URL: https://www.ieee802.org/3/dm/public/0326/zimmerman_obj_3dm_03a_03082026.pdf

Presenter: George Zimmerman, [CME Consulting]

Discussion: The presenter discussed a distinct identity language for Clauses 201 and 202 along with suggested objectives. Questions were asked and answered.

At **10:07** the chair announced the morning break, asking the task force to return at **10:25**.

After the break, the chair began discussion of Mr. Zimmerman's presentation. The chair constrained the discussion period to **30 minutes**.

STRAW POLLS

Mr. Zimmerman offered a straw poll.

Straw Poll #1

I am fundamentally opposed to two (2) PHY clauses at this time.

Y = 13

N = 71

At **11:22**, the chair moved the task force back to comment resolution.

At this point, Mr. Zimmerman resumed duties as recording secretary. Details of comment resolution are recorded in the comment database.

At 12:15 the Task force recessed for lunch.

--- LUNCH BREAK

At 13:24 the group reconvened.

The chair turned to an updated objectives proposal:

PRESENTATION: Revised PROPOSAL to replace existing PHY objectives

URL:

https://www.ieee802.org/3/dm/public/0326/dalmia_maguire_zimmerman_3dm_01_03112026.pdf

Presenters: George Zimmerman (CME Consulting), Kamal Dalmia (NXP)

Discussion: The presenters discussed the changes made.

MOTION #2

Move to replace the 6 PHY objectives for 802.3dm with the two updated objective sets in dalmia_maguire_zimmerman_3dm_03112026.pdf

M: Kamal Dalmia

S: Amir Bar-Niv

Technical ($\geq 75\%$)

Y:58 N: 3 A: 11 **MOTION PASSES**

(See appendix B for roll call record)

Following the motion, the chair resumed comment resolution.

(3:15 PM)

Before the break, the chair entertained the following motion:

MOTION #3

Move to request the chair to move the objective update approved in Motion 2 on behalf of the Task Force

M: Valerie Maguire

S: Mehmet Tazebay

APPROVED WITHOUT OBJECTION. Abstention noted for the record: Geoff Thompson

3:20 PM – the chair recessed the meeting for afternoon break

3:52 PM – the chair resumed the meeting with comment resolution.

4:19 PM Comment resolution completed.

As comment resolution was completed, the Chair announced that the out-of-cycle electronic interim scheduled for March 16 was cancelled.

The chief editor asked the group whether there was any objection to deleting clause 200 (the common clause) and instead focus on the individual PHY clauses. There was no objection.

MOTION #4

Charter the editor to produce draft 0.c based on the closed comment responses.

M: Ragnar Jonsson

S: Peter Jones

MOTION PASSES BY VOICE WITHOUT OBJECTION.

The chair then reviewed the timeline and generated a Proposed Timeline slide

Future Meetings & Other Business

Updated slide in agenda deck.

The chair announced electronic OOC interims on March 19 (to hear any remaining presentations), April 7 (for comment resolution), and a contingent interim for April 9 (to complete comment resolution if necessary).

The chair announced electronic ad hocs to work on nomenclature for inclusion in D0.c to be held March 17. Scott Muma to chair.

The chair then discussed and edited an expanded timeline to encompass WG and SA ballot stages.

MOTION #5:

Move to approve the draft timeline as shown on slide 44 of the agenda deck.

M: Valerie Maguire

S: TJ Houck

(Procedural > 50%)

MOTION PASSES BY VOICE WITHOUT OPPOSITION

The Chair then announced the timing of the D0.c task force review:

D0.c available no later than Friday, March 20

D0.c comments due Tuesday, March 31, AoE

The chair then announced that the Task Force will meet at the May interim for 802.3 and that registration is open.

PRESENTATIONS UNRELATED TO COMMENTS

Having completed the matters of business, the chair then turned back to presentations unrelated to comments on the draft with the remaining time.

Title: Introduction to the HSMT Physical Layer

URL: https://www.ieee802.org/3/dm/public/0326/jingcong_tingting_3dm_01a_0326.pdf

Presenter: Jingcong Sun, Motorcomm

Discussion: The presenter reviewed information about the HSMT standard, including the about the various physical layer specifications.

Questions were asked and answered.

Title: Comparison of Physical layers between HSMT and IEEE 802.3dm

URL: https://www.ieee802.org/3/dm/public/0326/jingcong_tingting_3dm_02a_0326.pdf

Presenter: Jingcong Sun, Motorcomm

Discussion: The presenter compared HSMT, proposed 802.3dm ACT, and proposed 802.3dm TDD PHY and link segment specifications. The comparison covered RS-FEC, modulation & line coding, latency and receiver structure, showing similarities to the 802.3dm ACT proposal. Questions were asked and answered.

Following the presentation, the chair reviewed the planned presentations that remained. The presenters indicated that the presentations did not need to be heard at this time. **Based on that, she announced that the out-of-cycle electronic interim scheduled for March 19 was cancelled.**

CLOSING BUSINESS

At **(18:01)** the chair announced that the meeting had exhausted the agenda and was adjourned.

Appendix A: Attendees at the IEEE P802.3dm Asymmetrical Electrical Automotive Ethernet Task Force Meeting, (Mon) March 9 & (Wed) March 11, 2026

Name	Affiliation	Mon-Webex	Mon-IMAT	Wed-Webex	Wed-IMAT
Abraham, Shiju	Acsia Technologies			X	4
Ahuja, Ramanjit	ON Semiconductor	X	2	X	4
Ancel, Patrice	BMW	X	1	X	2
Aripirala, Ravi	Texas Instruments	X	2	X	4
Aronson, Joseph	Texas Instruments Inc.	X	2	X	3
Baggett, Tim	Microchip		2	X	3
Bar-Niv, Amir	Infineon	X	2	X	4
Benyamin, Saied	Ethernovia	X	2	X	4
Boyer, Rich	Aptiv	X	2	X	4
Brychta, Michal	Analog Devices			X	3
Budweiser, Karl	BMW AG; BMW Group	X	2	X	4
Chang, Jae-yong	Keysight	X	1	X	4
Cheng, Xiaoyue	Infineon		2		4
Chidambaram, Valliaappan	Acsia Technologies			X	4
Chimento, Nicholas	Analog Devices	X	2	X	4
Chini, Ahmad	Broadcom	X	2	X	4
Cordaro, Jay	Analog Devices	X	2	X	4
Dai, Shaoan	Infineon	X	2	X	4
Dalmia, Kamal	NXP	X	1	X	4
Djahanshahi, Hormoz	Microchip	X	1	X	3
Edele, Jonas	BMW	X	2	X	4
Elangovan, Vivekanandh	Infineon Technologies		2		4
Enoki, Naomichi	Murata	X	2	X	4
Estrakh, Daniel	Valens	X	2	X	4
Fuller, Paul	Infineon	X	2	X	4
Gauthier, Claude	NXP	X		X	4
Goel, Sachin	NXP	X	2	X	4
Gorshe, Steven Scott	Microchip Technology Inc.	X	1	X	4
Goto, Hideki	Toyota	X	2	X	4
Graba, James	Broadcom	X			4
Graber, Steffen	Pepperl+Fuchs	X	1	X	4
Gupta, Ajeya	General Motors Company	X	2	X	4
Hameed, Anil	Acsia Technologies	X	2	X	4
Hogenmueller, Thomas	Robert bosch	X	2	X	4
Hopf, Daniel	AUMOVIO	X		X	1
Houck, TJ	IFX	X	2	X	4
Hutchison, Guy	Aviva Links Inc	X	2	X	4
Hyakutake, Yasuhiro	Orbray	X	1	X	4

Jeffries, Brad	Analog Devices Inc.	X	2	X	4
Jochim, Markus	General Motors	X	2		2
Jones, Chad	Cisco			X	4
Jones, Peter	Cisco			X	3
Jonsson, Ragnar	Infienon	X	1	X	4
Joseph, Gloria	Acsia Technologies	X	2		4
Kagami, Manabu	Nagoya Institute of Technology (NITech)	X	1	X	
Kandarpa, Venkata	NXP	X	2	X	4
Kapoor, Samay	Aviva Links Inc.	X	1	X	4
Kim, Do, Kyun	LGE				
Kim, Gyudong	Analog	X	2	X	4
Kim, Yongbum	General Motors Company		2		4
Kleinwaechter, Mathias	in-tech GmbH	X	2	X	4
Lackner, Hans	QoSCom GmbH			X	4
Lasry, Ariel	Qualcomm	X	2	X	4
Law, David	Hewlett Packard Enterprise				1
Lee, Ching-Yen	Realtek			X	4
Lee, Dongjae	NEWRACOM	X	2	X	3
Lim, Hoei	NXP	X	1	X	4
Lin, YK	Realtek			X	4
Lo, William	Axonne		2	X	4
Lou, Wei	Broadcom	X	2	X	4
Lu, Chao	BMW Group	X	2	X	4
Maguire, Valerie	Copperopolis (affl with CME Consulting, MCHP, and NXP)	X	2	X	4
Mark, Simon	Wurth Elektronik	X	2	X	4
McClellan, Brett	Marvell	X	2	X	4
Miskho, Michael	ADI	X	1	X	4
Muma, Scott	Microchip		2	X	4
Murray, Brian	Analog Devices			X	3
Nagaraja, Srikanth	Texas Instruments (India) Pvt. Ltd.; Texas Instruments Inc.	X	1	X	4
Ng, Hiok Tiaq	NXP Semiconductors	X	2	X	4
Ng, Tiaq	NXP				
Niihara, Yoshihiro	Fujikura Ltd.	X	2	X	4
Pal, Debajyoti	ON Semiconductor	X	2	X	4
Pan, Chunpo	Broadcom	X	1	X	4
Pandey, Sujan	Velinktech	X	2	X	4
Park, Pusik	KETI		2	X	4
Parthasarathy, Vasu	Broadcom			X	

Potterf, Jason	Cisco			X	2
Rajagopal, Karthik	Texas Instruments	X	2	X	4
Razavi, Alireza	Infineon	X	1		4
Reinhard, Michael	SEI Automotive Europe GmbH	X	2	X	4
Schedl, Anton	BMW Group	X	2	X	4
Sedarat, Hossein	Ethernovia	X	2	X	4
Sharma, Rohit	Molex	X	2	X	4
Shiino, Masato	Furukawa Electric	X	1	X	4
Strohmeier, Heiko	Bosch	X	2	X	4
Sun, Jingcong	Mtorcomm	X	2	X	4
Takeuchi, Junichi	JAE	X	2	X	4
Tan, Yuxuan	Motorcomm	X	2	X	4
Tanc, Ahmet	NXP	X	2	X	4
Tanz, Simon	BMW	X	2	X	4
Tazebay, Mehmet	Broadcom	X	2	X	4
Thomas, Rajan	Acsia Technologies	X	2	X	4
Thompson, Geoffrey	GraCaSi-Ind	X	2	X	2
Torres, Luisma	KD	X	1	X	2
Tu, Mike	Broadcom	X	1	X	4
Turner, Max	Ethernovia	X		X	4
Umar, Ashraf	Molex	X	2	X	4
Vakilian, Kambiz	Broadcom	X	2	X	4
Veloso Cauce, Gumersindo	BMW	X	2		4
Vivekanandh, Elangovan	Infineon	X		X	
Voss, Robert	Panduit Corp.			X	4
Wang, Shun-Sheng	Realtek Semiconductor Corp.	X	2		4
Wang, Weilai	BMW	X	2	X	1
Wei, Terry	ADI	X	2	X	4
Wienckowski, Natalie	IVN Solutions LLC; Ethernovia	X	2	X	4
Withey, James	Fluke	X	2	X	4
Wu, Dance	Infineon	X	2	X	4
Wu, Peter	Marvell	X	2	X	3
Yamazaki, Kinya	APRESIA Systems			X	
Zerna, Conrad	NXP	X	2	X	4
Zhang, Tingting	Huawei	X	1	X	4
Zhang, Wei	Broadcom	X	2	X	4
ZHU, YUE	Huawei Technologies Co. Ltd	X	2	X	3
Zhuang, Yan	Huawei	X		X	2
Zimmerman, George	CME Consulting/ADI APL Gp Cisco Infineon OnSemi Sony	X	2	X	2

Appendix B: Motion #2 Roll call results

MOTION #2: Move to replace the 6 PHY objectives for 802.3dm with the two updated objective sets in
dalmia_maguire_zimmerman_3dm_03112026.pdf

M: Kamal Dalmia S: Amir Bar-Niv

Technical ($\geq 75\%$)

Y:58 N: 3 A: 11 MOTION PASSES

(note, the following votes were added manually to direct vote live:

Fuller, Paul: Y

Pal, Debu: Y

Tu, Mike: Y

Wang, Frank: Y

Attendee	Vote
Ahmad Chini	Yes
Ajeya Gupta	Abstain
Alireza Razavi	Abstain
Amir Bar-Niv	Yes
Anton Schedl	Yes
Brad Jeffries	Yes
Brett McClellan	Yes
Chunpo Pan	Yes
Claude Gauthier	Yes
Conrad Zerna	Yes
Dance Wu	Yes
Daniel Estrakh	Yes
Do Kyun Kim	Abstain
Geoff Thompson	No
George Zimmerman	Yes
Guy Hutchison	Yes
Gyudong Kim	Yes
Hans Lackner	Abstain
Heiko Strohmeier	Yes
Hideki Goto	Yes
Hiok Tiaq Ng	Yes
Hoei Lim	Abstain
Hormoz Djahanshahi	Yes
Hossein Sedarat	Yes
James Withey	Abstain
Jason Potterf	Abstain
Jay Cordaro	Yes
Jingcong Sun	Abstain
Joseph Aronson	Yes
Junichi Takeuchi	Yes
Kamal Dalmia	Yes

Attendee	Vote
Kambiz Vakilian	Yes
Karthik Rajagopal	Abstain
Masato Shiino	Yes
Mathias Kleinwaechter	Yes
Max Turner	Yes
Mehmet Tazebay	Yes
Michael Miskho	Yes
Michael Reinhard	Yes
Michal Brychta	Yes
Nicholas Chimento	Yes
Peter Wu	Yes
Ragnar Jonsson	Yes
Ramanjit Ahuja	Yes
Rich Boyer	No
Rohit Sharma	Abstain
Sachin Goel	Yes
Saied Benyamin	Yes
Samay Kapoor	Yes
Scott Muma	Yes
Shaoan Dai	Yes
Simon Mark	Yes
Srikanth Nagaraja	Abstain
Steven Scott Gorshe	Yes
Sujan Pandey	Yes
Terry Wei	Yes
Thomas Hogenmueller	Yes
Tim Baggett	Yes
Tj Houck	Yes
Valerie Maguire	Yes
Venkata Kandarpa	Yes
Wei Lou	Yes
Wei Zhang	Yes
William Lo	Yes
Xiaoyue Cheng	Yes
Yasuhiro Hyakutake	Yes
Yongbum Kim	No
Yoshihiro Niihara	Yes