

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

July 29-31, 2025
IEEE 802 Plenary, Madrid, Spain

Prepared by George Zimmerman

IEEE P802.3dm Task Force meeting convened at **2:16 PM CEST, Tuesday, July 29, 2025**, by Natalie Wienckowski, IEEE P802.3dm Task Force Chair pro-tempore.

ALL TIMES ARE IN CEST.

Ms. Wienckowski and Mr. Law, the Working Group Chair, announced that because Mr. Lewis had stepped down as chair, Ms. Wienckowski, as the Vice Chair, automatically became Chair pro-tem.

Attendance is listed in Appendix A

Straw Poll Roll Call Records are listed in Appendix B

Presentation: https://www.ieee802.org/3/dm/public/0725/agenda_3dm_01c_0725.pdf

Presenter: Natalie Wienckowski, Chair pro tempore

Ms. Wienckowski turned to presentation [agenda_3dm_01c_0725.pdf](https://www.ieee802.org/3/dm/public/0725/agenda_3dm_01c_0725.pdf) and reviewed the agenda for the meeting.

Approval of Agenda: The chair asked whether there were additions or corrections to the agenda, shown on slide 3 of the presentation [agenda_3dm_01c_0725.pdf](https://www.ieee802.org/3/dm/public/0725/agenda_3dm_01c_0725.pdf) and there was a change, to add motions & closing business after presentations, resulting in [agenda_3dm_01d_0725.pdf](https://www.ieee802.org/3/dm/public/0725/agenda_3dm_01d_0725.pdf). She then addressed the following motion

Motion #1

Move to approve the agenda as modified.

M: Peter Jones

S: Max Turner

(Procedural > 50%)

MOTION PASSES WITHOUT OBJECTION

She announced that the agenda was approved as modified.

Ms. Wienckowski then resumed the review of [agenda_3dm_01d_0725.pdf](https://www.ieee802.org/3/dm/public/0725/agenda_3dm_01d_0725.pdf), showing the agenda.

Previous Meeting Minutes: The chair announced the minutes from previous Task Force meetings were posted, along with some proposed corrections, and needed confirmation. She additionally announced that there had been adjustments proposed to both the unconfirmed minutes and a proposed revision to the April minutes. These had been posted to the website and included a summary and rationale for the changes. They were also shown with markup text, and documented in the following files (posted at <https://www.ieee802.org/3/dm/public/0725/index.html>):

Summary of proposed changes: [summary of proposed updates.pdf](#)
March 2025 Plenary: [Unconfirmed minutes 3dm 031025 r1prop.pdf](#)
April 17, 2025 Interim: [Proposed Revised minutes 3dm 041725.pdf](#)
May 2025 Interim: [Unconfirmed minutes 3dm 051425 r1prop.pdf](#)

Motion #2: To approve the February 27, March 2025 Plenary (as modified in r1prop), March 24 ad hoc, May Interim (as revised), June 26 ad hoc, and July 10 interim as posted.

https://www.ieee802.org/3/dm/public/adhoc/022725/Unconfirmed_minutes_3dm_02272025.pdf
https://www.ieee802.org/3/dm/public/0725/Unconfirmed_minutes_3dm_031025_r1prop.pdf
https://www.ieee802.org/3/dm/public/adhoc/032425/Unconfirmed_minutes_3dm_040125.pdf
https://www.ieee802.org/3/dm/public/0725/Unconfirmed_minutes_3dm_051425_r1prop.pdf
https://www.ieee802.org/3/dm/public/adhoc/062625/Unconfirmed_minutes_3dm_062625.pdf
https://www.ieee802.org/3/dm/public/071025/Unconfirmed_minutes_3dm_071025.pdf

Motion 3: Motion to amend Motion 2:

To approve the February 27, March 2025 Plenary (as modified in r1prop), March 24 ad hoc, May Interim (as revised), and June 26 ad hoc as posted. (removing July 10)

https://www.ieee802.org/3/dm/public/adhoc/022725/Unconfirmed_minutes_3dm_02272025.pdf
https://www.ieee802.org/3/dm/public/0725/Unconfirmed_minutes_3dm_031025_r1prop.pdf
https://www.ieee802.org/3/dm/public/adhoc/032425/Unconfirmed_minutes_3dm_040125.pdf
https://www.ieee802.org/3/dm/public/0725/Unconfirmed_minutes_3dm_051425_r1prop.pdf
https://www.ieee802.org/3/dm/public/adhoc/062625/Unconfirmed_minutes_3dm_062625.pdf

M: David Law

S: Peter Jones

Motion Passes without objection

Motion 4 (Motion 2, amended):

Approve the February 27, March 2025 Plenary (as modified in r1prop), March 24 ad hoc, May Interim (as revised), and June 26 ad hoc as posted. (removing July 10)

https://www.ieee802.org/3/dm/public/adhoc/022725/Unconfirmed_minutes_3dm_02272025.pdf
https://www.ieee802.org/3/dm/public/0725/Unconfirmed_minutes_3dm_031025_r1prop.pdf
https://www.ieee802.org/3/dm/public/adhoc/032425/Unconfirmed_minutes_3dm_040125.pdf
https://www.ieee802.org/3/dm/public/0725/Unconfirmed_minutes_3dm_051425_r1prop.pdf
https://www.ieee802.org/3/dm/public/adhoc/062625/Unconfirmed_minutes_3dm_062625.pdf

Motion Passes without objection

Motion 5:

To approve the revised April 17 minutes as posted

(https://www.ieee802.org/3/dm/public/0725/Proposed_Revised_minutes_3dm_041725.pdf)

M: Kamal Dalmia

S: Valerie Maguire

Motion passes without objection

Motion 6:

Move to approve the July 10 interim minutes with the addition of Dance Wu to the attendance list.

https://ieee802.org/3/dm/public/071025/Unconfirmed_minutes_3dm_071025.pdf

M: David Law

S: Chad Jones

Motion passes without objection.

(2:35 PM)

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.

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 series 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 decorum, goals for the meeting, information for the reflector, private area, and ground rules.

The Chair announced that as this meeting was an electronic Task Force meeting, under 802.3 rules, only working group voters may vote on motions.

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 day's meeting.

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.

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 rules, and asked whether anyone in the room or online had not seen the various policy slides this week. There were no responses. She therefore announced that she would show the slides and summarize.

IEEE SA Patent Policy, Ms. Wienckowski reviewed slides 0 through 4 of the IEEE SA Patent Policy (slides 15 – 19 in the agenda deck), showed and read aloud slides 1 and 2 of the IEEE SA patent policy from the agenda deck, and made the call for patents on the slide labeled “Ways to Inform IEEE” (2:50 pm).

There was no response to the call for patents at **2:51pm**.

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, and fair and equitable consideration policies as shown in the agenda deck. (2:57 PM).

During the discussion of fair and equitable considerations, the acting IEEE SA program manager for the meeting introduced herself in the room.

There were no questions.

Ms. Wienckowski reviewed the standards development process for IEEE 802.3 and where this Task Force is in that process.

During the discussion of the process, a participant asked about the process flow chart shown on slides 31-35 of the agenda deck. There was a discussion that indicated that the process of getting to consensus during the initial stages on slide 32 of the process (prior to initial working group ballot process) was substantially more flexible – that participants may propose baselines in a number of forms to get to a draft for initial working group ballots. There was then some discussion as to how a task force gets to a draft 1.0, including the task force review process, and how, while shown in the flow chart, is largely uncoded in the rules – with the notable exception that approval of technical motions requires 75% approval, referencing the Working Group Policies and Procedures, and that under 802.3 rules, progress to initial working group ballot also required a 75% approval process.

There was then a prolonged discussion of how the flow charts related to the various rules documents governing IEEE 802.3 in the Task Force baseline selection and drafts phases. Many participants, officers of 802.3, and IEEE SA staff voiced the view that the hierarchy of rules documents governed, and not the graphical depiction in the rules deck or orientation presentations.

LIAISONS

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

Order of Presentations

The Chair completed a review of the presentation, showing the order of presentations.

She reviewed each page, and discussed that there was one presentation requested on time and received a few minutes late, and one that was received late a bit later.

The chair asked whether there were any objections to hearing the late presentations. There were none.

The chair then proposed a change in the order of presentations to group EMC presentations and attempt to make better use of the ability to extend time, and to extend the meeting duration for Tuesday (7/29/2025) to 19:30, with a short break at an appropriate time.

She then asked if there were any objections to the revised presentation order, shown in [agenda 3dm 01d 0725.pdf](#)

PRESENTATIONS

(3:34PM) The Chair then moved to the presentations for the meeting.

Title: Updated Emission Profiles of ACT and TDD PHYs

URL: https://iee802.org/3/dm/public/0725/Ng_3dm_01_07292025.pdf

Presenter: Hiok Tiaq Ng, Aviva Links Inc.

Discussion: The presenter discussed analysis of the proposed TDD and ACT PHYs. Questions were asked and answered.

Title: Immunity Testing Results for a TDD PHY w/COAX - Update

URL: https://www.ieee802.org/3/dm/public/0725/Zerna_3dm_01b_250729.pdf

Presenter: Conrad Zerna, Kamal Dalmia, Hiok Tiaq Ng, Aviva Links Inc.

Discussion: The presenter discussed updated immunity results on COAX using a TDD PHY, using an ASA ML PHY. Results added immunity results on a 12m link to results presented at the May 2025 interim which included radiated immunity on 2m and 7m links and BCI test results.

Questions were asked and answered. During discussion the chair asked individuals with multiple questions to take their discussion to the reflector.

At 4:28 PM The task force recessed for the afternoon break.

At 4:42 PM Ms. Wienckowski called the meeting back to order and presentations resumed.

Title: ACT EMC performance (01a)

URL: https://grouper.ieee.org/groups/802/3/dm/public/0725/wu_3dm_01a_072925.pdf

Presenter: Dance Wu, Cliff Fung, TJ Houck - Marvell

Discussion: The presenter discussed EMC performance results of a physical ACT device at 10 Gbps downstream on Coaxial cable, including radiated emissions, radiated immunity, and bulk current injection immunity.

Title: Time-Domain Analysis of Analog-Based ACT Receiver

URL: https://grouper.ieee.org/groups/802/3/dm/public/0725/sedarat_3dm_01_202507.pdf

Presenter: Hossein Sedarat, Ethernovia

Discussion: The presenter discussed performance of an analog based receiver for the upstream of the ACT proposal, addressing more conservative return loss models and performance of a hybrid.

Questions were asked and answered.

Title: Electromagnetic Sensitivity - ACT vs TDD

URL: https://grouper.ieee.org/groups/802/3/dm/public/0725/sedarat_3dm_02a_202507.pdf

Presenter: Hossein Sedarat, Ethernovia

Discussion: The presenter compared the sensitivity to EM interference of the ACT and TDD upstream receivers quantitatively.

Questions were asked and answered.

At 6:35 PM the chair asked the group if there was consent to continue until 7:30PM. There was no objection.

At 6:35PM the chair called for a 10-minute break before proceeding. The meeting resumed at 6:45 PM, with the next presentation.

Title: Comments on 802.3dm EMC Complexity and Performance

URL: https://grouper.ieee.org/groups/802/3/dm/public/0725/Chini_3dm_02b_07272025.pdf

Presenter: Ahmad Chini & Mehmet Tazebay, Broadcom

Discussion: The presenter discussed estimates of receiver area for TDD and along with various comments on testing requirements for EMC.

Questions were asked and answered.

CLOSING BUSINESS DAY 1

At 7:30PM the meeting recessed for the day to resume at 9am in the morning.

END OF DAY 1

DAY 2

The meeting convened for the day at 9:01AM CET Wednesday 30 July 2025.

At this point Mr. Gorshe volunteered to assist the chair pro tempore with in-room coordination, as she was remotely participating.

At 9AM CET the chair called the meeting to order for the day.

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_0725.pdf](#). There were no responses.

The chair made the call for patents (9:03AM). There were no responses.

The chair asked if there were any members of the press present. There were no responses.

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.

Title: RL Data and Screening Attenuation

URL: https://grouper.ieee.org/groups/802/3/dm/public/0725/boyer_sharma-3dm_01_07-29-25.pdf

Presenter: Rohit Sharma (Molex) and Rich Boyer (Aptiv)

Discussion: The presenter discussed updates to the insertion loss proposal (changing the start frequency), compared measured data to the return loss proposal given by the same authors in May 2025, and discussed issues and specifications related to screening attenuation limits.

Questions were asked and answered.

The Chair was passed to Mr. Gorshe, as Mrs. Wienckowski was the next presenter.

Title: Clause 30 proposed text

URL: https://grouper.ieee.org/groups/802/3/dm/public/0725/wienckowski_3dm_01_07292025.pdf

Presenter: Natalie Wienckowski, Ethernovia

Discussion: The presenter reviewed text proposed for Clause 30 management. The text offered was intended to be independent of the duplexing method, and where it depended on the duplexing method, a TBD was indicated.

There were no questions.

Title: Clause 45 proposed text

URL: https://grouper.ieee.org/groups/802/3/dm/public/0725/wienckowski_3dm_02_07292025.pdf

Presenter: Natalie Wienckowski, Ethernovia

Discussion: The presenter discussed text proposed for the Clause 45 MDIO registers. The text offered was independent of the duplexing method,

Questions were asked and answered. The presenter indicated that she expected motions to be offered on this and the Clause 30 text contribution. She urged participants to review the proposal and provide feedback prior to motions the following day.

Mrs. Wienckowski resumed chairing the meeting.

Title: Test modes in ACT Downstream Direction

URL: https://grouper.ieee.org/groups/802/3/dm/public/0725/sedarat_3dm_03_202507.pdf

Presenter: Hossein Sedarat, Ethernovia

Discussion: The presenter reviewed test modes needed for the ACT proposal, along with target specifications for PMA electrical specs including transmit droop, psd and transmit power limits, linearity, clock frequency precision & stability, even-odd jitter measurements, and receiver alien crosstalk tolerance. These were generally derived from and based on the 10G Clause 149 specifications.

Questions were asked and answered.

Title: Link Synchronization Based on the Burst Detector

URL: https://www.ieee802.org/3/dm/public/0725/razavi_3dm_01a_July_2025.pdf

Presenter: Alireza Razavi, Aleksei Zhrebtsov, Ragnar Jonsson; Marvell

Discussion: The presenter reviewed a proposal for link synchronization for the ACT proposal, based on detecting a pulse and suggested that it would be a subject of continuing work.

Questions were asked and answered.

The chair noted that the presenter of the next two presentations had asked to reverse the order proposed. There were no objections.

Title: Summary of Latest Updates to PCS/PMA Logic for ACT/GMSLE Transceiver

URL: https://grouper.ieee.org/groups/802/3/dm/public/0725/Lo_3dm_01_072925%20.pdf

Presenter: William Lo, Axonne

Discussion: The presenter summarized updates to the PCS/PMA logic for the ACT proposal, including training, infocfields, link sync, and phy control.

Questions were asked and answered.

Title: Auto-Negotiation Priority Resolution Proposal

URL: https://grouper.ieee.org/groups/802/3/dm/public/0725/Lo_3dm_02_072925.pdf

Presenter: William Lo, Axonne

Discussion: The presenter made a proposal for priority resolution for auto-negotiation including priorities, leader/follower, and complementary capabilities.

Questions were asked and answered.

The meeting recessed for the morning break at 11 AM.

The meeting was reconvened at 11:26AM resuming with the next presentation.

Title: ACT text proposal for IEEE 802.3dm

URL: https://grouper.ieee.org/groups/802/3/dm/public/0725/jonsson_etal_3dm_01_07_28_25.pdf

(the presenter offered an updated presentation, where the update was to add hyperlinks)

URL: https://grouper.ieee.org/groups/802/3/dm/public/0725/jonsson_etal_3dm_01a_07_28_25.pdf

Presenter: Ragnar Jonsson -Marvell, Jay Cordaro-ADI, Hossein Sedarat -Ethernova, William Lo-Axonne

Discussion: The presenters summarized updates to the ACT text proposal, including new link sync signaling, a new state diagram for PHY control, updates to the 100M training frame description, updates to test modes, minor refinements to IL limits, and a correction to PAM2 mapping. The text itself can be found at:

https://www.ieee802.org/3/dm/public/0725/ACT_Clause200_proposal_v3.pdf

There were no questions.

Title: TDD Resynch/Refresh Header Format Proposal

URL: https://grouper.ieee.org/groups/802/3/dm/public/0725/gorshe_3dm_01_250729.pdf

Presenter: Steve Gorshe (Microchip), Scott Muma (Microchip)

Discussion: The presenters summarized changes to the ASA resynch/refresh format to simplify the header structure. The resynch header had not been previously addressed in the TDD proposal.

Questions were asked and answered.

At this point, because the group was running ahead of schedule, the chair attempted to test a straw poll tool for the following day.

Following brief discussion, presentations resumed.

The chair asked the next presenter whether other presentations should come before his presentation. He indicated there were none.

Title: Updates on P802.3dm TDD Proposal

URL: https://www.ieee802.org/3/dm/public/0725/Zerna_lou_3dm_01_07282025.pdf

Presenter: Conrad Zerna – Aviva Links, Wei Lou - Broadcom

Discussion: The presenters summarized updates to the TDD text proposals presented in May. New text added included 200.8.2.4 Transmitter power spectral density (PSD) and power level, 200.10.1.1.1 Insertion loss for 100M_MultiGBASE-V1 and MultiG+100MBASE-V1 PHY, and 200.10.1.3.1 100M+MultiGBASE-V1 and MultiG+100MBASE-V1 link segment return loss.

The baseline text may be found at:

https://www.ieee802.org/3/dm/public/0725/Baseline_Text_for_TDD_PHY_V1.1_07_14_25.pdf

Questions were asked and answered.

Title: TSN compatibility of TDD PHY with a focus on gPTP operation

URL: https://www.ieee802.org/3/dm/public/0725/Hutchison_Arunarathi_3dm_01_07272025.pdf

Presenter: Guy Hutchison (Aviva Links), Venkat Arunarathi (Broadcom)

Discussion: The presenter described handling cyclic delays of TDD systems with clause 90 timestamp.

Questions were asked and answered.

At 1:07 PM the group broke for lunch, to resume at 2:15 PM.

The meeting reconvened at 2:18 PM.

Title: On the PoC Inductor Selection for 802.3dm (01c)

URL: https://grouper.ieee.org/groups/802/3/dm/public/0725/Chini_3dm_01c_07272025.pdf

Presenter: Ahmad Chini, Broadcom

Discussion: The presenter discussed PoC inductor optimization and compared component sizes and performance specifications of various inductor configurations.

Questions were asked and answered.

Title: Considerations for Crystal-less PHY

URL: https://grouper.ieee.org/groups/802/3/dm/public/0725/Ng_3dm_02_07292025.pdf

Presenter: Hiok Tiaq Ng, Aviva Links Inc. & Kamal Dalmia

Discussion: The presenter discussed simulations related to crystal-less PHY operation.

Questions were asked and answered.

<At 3:30PM, since the recording secretary was presenting, the duty to record any actions during the presentation was passed to Valerie Maguire>

Title: Margin and Robustness

URL: https://grouper.ieee.org/groups/802/3/dm/public/0725/zimmerman_3dm_01_07292025.pdf

Presenter: George Zimmerman / CME Consulting (ADI, APL Group, Cisco, Marvell, ON semi, Sony)

Discussion: The presenter discussed how increasing SNR margin related to robustness of PHY designs particularly to external noise.

Questions were asked and answered.

<At 3:59PM, Mr. Zimmerman resumed duties as the recording secretary>

The chair asked the group that in order to better match with the break time, the next two scheduled presenters would swap order.

Title: Uplink and Downlink PHYs Complexity Analysis Based on IEEE 802.3 Channel Parameters

URL: https://grouper.ieee.org/groups/802/3/dm/public/0725/pandey_3dm_01_07292025.pdf

Presenter: Sujan Pandey, Velink

Discussion: The presenter gave his analysis of the phy complexity and performance including SNR, baseline wander, and other parameters using the channels defined for 802.3ch.

Questions were asked and answered.

The meeting recessed for the afternoon break at 4:20PM

The meeting reconvened at 4:41PM, and resumed presentations

Title: On Complexity and Reliability

URL: https://grouper.ieee.org/groups/802/3/dm/public/0725/jonsson_3dm_01_07_28_25.pdf

Presenter: Ragnar Jonsson, Marvell

Discussion: The presenter analyzed the complexity of proposed state diagrams for ACT and TDD proposals, including metrics for cyclomatic complexity. He then compared the results for complexity to testability and risk as it relates to functional safety standards.

Questions were asked and answered. During discussion the chair reminded participants to focus on questions that they had, and asked prolonged discussion to be taken to the reflector or to future contributions. A participant rose to a point of order to ask that the chair's request be followed and the discussion taken offline.

Title: Results from the Comparison Study v0.8 (01d)

URL: https://grouper.ieee.org/groups/802/3/dm/public/0725/manu_dm_01d_comparison_20250727.pdf

Presenter: Kirsten Matheus & Gumersindo Veloso (BMW)

Discussion: The presenter provided results of discussion with an offline group comparing information brought forward in the task force for the two proposals. The document stated that it did not present a unified opinion and that it did not favor one proposal over the other. The presenter stated that it was a work in progress.

Questions were asked and answered. During the discussion multiple participants offered opinions and the presenter indicated willingness to work with others to update based both on new data and inputs from other experts.

DAY 2 CLOSING BUSINESS

The chair announced that the meeting would meet Thursday 7/31/2025 at 9am, and asked if there were new consensus presentations, motions, or straw polls for the morning that people send requests and updates to her by 0000 (midnight CET) for upload and preparation for the next day.

The presenter of the comparison study requested a dedicated ad hoc meeting to work on the comparison study. The chair indicated that ad hocs would be considered the following day during closing business.

The group recessed at 6:38PM to reconvene at 9AM 31 July 2025

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DAY 3

The meeting resumed at 9:00AM Thursday 31 July 2025.

Ms. Wienckowski called the meeting to order and 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 0725.pdf](#). There were no responses.

The chair asked if there were any members of the press present. There were no responses. 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 made the call for patents (9:03AM). There were no responses.

The Working Group chair asked for a moment to inform the task force of announcements he intended to make at the working group meeting later in the day regarding Task Force leadership. He asked the Chair and Mr. Gorshe to continue working together in the period leading up to the September interim meeting.

Presentations resumed. (9:08AM)

Title: ACT and TDD comparison

URL: https://grouper.ieee.org/groups/802/3/dm/public/0725/Houck_Cordaro_3dm_01a_07292025.pdf

Presenter: TJ Houck (Marvell), Jay Cordaro (ADI)

Discussion: The presenter provided an update to the technical comparison of the two proposals that he initiated at the May interim, including crystal-less operation, EMC immunity, power consumption, die area, complexity, cable length, and extensibility to 25 Gbps operation.

Questions were asked and answered.

The chair announced she had received a late presentation request from the floor. She asked if there was any objection to hearing the late presentation, and there was none.

Title: Proposal for a Path Forward

URL: https://www.ieee802.org/3/dm/public/0725/Tazebay_Bar-Niv_Dalmia_3dm_01_0725.pdf

Presenter: Mehmet Tazebay (Broadcom), Amir Bar Niv (Marvell), Kamal Dalmia (Aviva Links)

Discussion: The presenter discussed a potential path forward which would define two modes of operation – to support ACT and TDD operation. In connection with this he offered a straw poll and requested it be 802.3 voters only. During discussion it was clear that the presenters were asking the group's interest on working this as a way forward rather than offering a specific solution. There was a prolonged discussion on the straw poll (see below for wording):

PROPOSED STRAW POLL:

I support 802.3dm Physical Layer specifications that incorporate two modes of duplexing such that a PHY is allowed to support either or both ACT and TDD duplexing methods.

After discussion of but before moving to motions and straw polls, the group recessed for the morning break at 10:55AM.

The chair reconvened the meeting at 11:15AM.

MOTIONS AND STRAW POLLS

The chair reminded the group that she would move on behalf of the task force (based on motion at the May interim to adopt a new objective for crystal-less operation and displayed the text.

MOTION #7

Adopt the Clause 30 proposed text in

https://www.ieee802.org/3/dm/public/0725/8023dm_Clause30_proposal.pdf with Editorial License

M: William Lo

S: Ragnar Jonsson

Technical >= 75% **MOTION PASSES WITHOUT OBJECTION.**

Before entertaining the next motion, Ms. Wienckowski, as an individual, explained updates to the presentation to make it clearer that it applied to either proposal.

MOTION #8

Adopt the Clause 45 proposed text in

https://www.ieee802.org/3/dm/public/0725/8023dm_Clause45_proposal_v2.pdf with Editorial License

M: William Lo

S: Kirsten Matheus

Technical >= 75% **MOTION PASSES WITHOUT OBJECTION.**

The chair indicated that straw polls would be taken via google forms, and that participants were to first enter their full name and their affiliation so that the straw poll could be taken by roll call, as desired.

She then took the straw polls in the order she had received them:

STRAW POLL #1 – Initial Try (google poll, 802.3 voters only requested to respond)

I support the following duplexing method for P802.3dm:

TDD: 34

ACT: 45

Abstain: 14

(the requestor of the straw poll clarified that the poll was a “pick one”, and that if an individual would be OK with either, they should answer “Abstain”)

(it was also noted that the 802.3 voters only was on the honor of individuals...)

At this point, individuals noted it was possible to vote twice, and a discussion ensued about voting tools.

Post-processing of the results above, to remove duplicates is shown in Appendix B, with the summary totals:

TDD: 29

ACT: 44

Abstain: 15

NOTE - After the meeting, it was discovered that while the initial try of straw poll #1 was open, a number of individuals also responded to straw poll 2. This poll had not been called in the meeting, and the results were not reported. They are provided in Appendix B for full transparency on information.

There was a brief discussion and there was a desire to use DVL for 802.3 voters, and the following results were obtained:

See Appendix B for all straw poll roll call results.

STRAW POLL #1 – REDO – 802.3 VOTERS ONLY (DVL):

I support the following duplexing method for P802.3dm:

TDD: 26

ACT: 34

Abstain:16

(the requestor of the straw poll clarified that the poll was a “pick one”, and that if an individual would be OK with either, they should answer “Abstain”)

Two manual votes were added on the floor to the DVL log (DK Kim, abstain, and one TDD – Venkata Kandarpa). However, on review, Venkata Kandarpa was ineligible for this poll and has been subtracted from the preliminary reported result. The roll call results above and in Appendix B reflect this.

STRAW POLL #2 (802.3 VOTERS ONLY (DVL):

I support 802.3dm Physical Layer specifications that incorporate two modes of duplexing such that a PHY is allowed to support either or both ACT and TDD duplexing methods.

Y: 49

N: 23

A: 2

The Chair then took the straw polls by google form for anyone in the meeting:

STRAW POLL #1A – EVERYONE IN THE MEETING (google poll):

I support the following duplexing method for P802.3dm:

TDD: 31

ACT: 37

Abstain:10

STRAW POLL #2A – EVERYONE IN THE MEETING:

I support 802.3dm Physical Layer specifications that incorporate two modes of duplexing such that a PHY is allowed to support either or both ACT and TDD duplexing methods.

Y: 47

N: 27

A: 3

STRAW POLL #3: Ad hoc date availability (not by roll-call)

August 14: 18

August 21: 30
August 28: 24
September 4: 20

Based on the results, the chair announced ad hocs for August 21 and September 4, both 3 hour meetings.

STRAW POLL #4 – EVERYONE IN THE MEETING (see appendix for Roll call)

How likely is it that new technical evidence or analysis could emerge that would change your current position?

1. Very unlikely : 12
2. Unlikely : 33
3. Possible : 28
4. Likely : 9

The secretary displayed the poll results, and advised individuals that the results of the google polls still needed to be checked for duplicates (the results presented in these minutes have been checked).

At 1:04PM 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, July 29-31, 2025

*Potential Anomalies (IMAT only) are highlighted in **Yellow**.

Name	Employer	Affiliation	7/29 IMAT	7/29	7/30 IMAT	7/30	7/31 IMAT	7/31
Agarwal, Uttam	Texas Instruments Inc.	Texas Instruments Inc.	2	X	4	X	2	X
Ahuja, Ramanjit	ON Semiconductor	ON Semiconductor	2	X	4	X	2	X
Aronson, Joseph	Texas Instruments Inc.	Texas Instruments Inc.	2	X	3	X	2	X
Arroyo, Hector		Analog Devices Inc.	2	X	4	X	2	X
Baggett, Tim	Microchip Technology, Inc.	Microchip Technology, Inc.	2	X	2	X	2	X
Bar-Niv, Amir	Aquantia Corp	Marvell	2	X	3	X	2	X
Beauregard, Francois	Belden Canada ULC	Belden	1	X	4	X	2	X
Benyamin, Saied	Ethernovia	Ethernovia	2	X	4	X	1	X
Boiger, Christian	Infineon Technologies	Infineon Technologies	2					
boyer, rich	Aptiv - Signal and Power Solutions	Aptiv Signal and Power Solutions	2	X	4	X	2	X
Brandt, David	Rockwell Automation	Rockwell Automation	2	X	1	X		
Brychta, Michal	Analog Devices Inc.	Analog Devices Inc.	2	X	3	X	2	X
Chang, Jae-yong	Keysight Technologies Inc	Keysight Technologies Inc	2	X	4	X	2	X
Chimento, Nicholas		Analog Devices Inc.	2	X	4	X	2	X
Chini, Ahmad	Broadcom Corporation	Broadcom Corporation	2	X	3	X	2	X
Cimet, Eyal	Waymo LLC	Waymo LLC	2	X	2	X	2	X
Cordaro, Jay	Analog Devices	Analog Devices	2	X	4	X	2	X
Dalmia, Kamal	Aviva Links Inc	Aviva Links Inc	2	X	4	X	2	X
de Koos, Andras	Microchip Technology Inc	Microchip Technology Inc			4	X	2	X
De Sousa, Jonathan	GG Group	NOT IN IMAT		X		X		X
Donahue, Curtis	Rohde & Schwarz	Rohde & Schwarz	2	X	3	X	2	X
Eguchi, Keisuke		Analog Devices; Analog Devices Inc.	2	X	4	X	2	X
Estrakh, Daniel	Valens Semiconductor	Valens Semiconductor	2	X	4	X	2	X
Feng, Sophie		Genuine Optics					1	
Ferretti, Vincent	Corning Incorporated	Corning Incorporated			3	X		
Fuller, Paul		Marvell	1	X		X	1	X
Ganesan, Aravind	Texas Instruments Inc.	Texas Instruments Inc.	2	X	4	X	2	X
Gauthier, Claude	NXP Semiconductors	NXP Semiconductors	2	X	3	X	2	X
Gerl, Markus	MD Elektronik	MD Elektronik		X	2	X		X
Gilb, James	GA-ASI	NOT IN IMAT		X				
Glanzner, Martin	SEI ANTech-Europe GmbH	SEI Automotive Europe GmbH	2	X	4	X	2	X
Goel, Sachin	Aviva Links Inc	Aviva Links Inc	1	X	5	X	2	X
Gopal, Amrit	Ford Motor Company	Ford Motor Company	2	X	4	X		
Gorshe, Steven Scott	Microchip Technology, Inc.	Microchip Technology, Inc.	2	X	3	X	2	X
Goto, Hideki	Toyota Motor Corporation	Toyota Motor Corporation	2	X	4	X	2	X
Graba, James	Broadcom Corporation	Broadcom Corporation	1	X	2	X	1	X
Graber, Steffen	Pepperl+Fuchs SE	Pepperl+Fuchs SE	2	X	3	X	2	X
Gubow, Martin	Keysight Technologies	Keysight Technologies	1	X	4	X	2	X
Gupta, Ajeya		General Motors Company	2	X	3	X	2	X
Haydt, Mary Sue	Microchip Technology, Inc.	Microchip Technology, Inc.	1	X	3	X	2	X
Hogenmueller, Thomas	Robert Bosch GmbH	Robert Bosch GmbH	2	X	1	X	2	X
Hopf, Daniel	Continental Automotive Technologies GmbH	Continental Automotive Technologies GmbH	2	X	3	X	1	X
Houck, TJ	Marvell Semiconductor, Inc.	Marvell Semiconductor, Inc.	2	X	3	X	2	X
Hu, Mark		Aptiv	1	X				

Name	Employer	Affiliation	7/29 IMAT	7/29	7/30 IMAT	7/30	7/31 IMAT	7/31
Huh, Woojung	Microchip Technology, Inc.	Microchip Technology, Inc.					1	X
Hutchison, Guy	Aviva Links	Aviva Links Inc; Aviva Links Inc.	2	X	4	X	2	X
Hyakutake, Yasuhiro	Orbray Co., Ltd.	Orbray Co., Ltd.	2		4	X	2	X
Jeffreis, Brad		Analog Devices Inc.	1	X	4	X	2	X
Jones, Chad	Cisco Systems, Inc.	Cisco Systems, Inc.	2	X	1			
Jones, Peter	Cisco Systems, Inc.	Cisco Systems, Inc.	2	X	2	X	2	X
Jonsson, Ragnar	Marvell Semiconductor, Inc.	Marvell	1	X	4	X	2	X
Kagami, Manabu	Nagoya Institute of Technology	Nagoya Institute of Technology (NITech)	2	X	4	X	2	X
Kandarpa, Venkata	Chelsio Communications	Aviva Links Inc; Aviva Links Inc.	2	X	4	X	2	X
Kanno, Atsushi	Nagoya Institute of Technology	Nagoya Institute of Technology	1		4		2	
Kapoor, Samay	Aviva Links	Aviva Links Inc.	2	X	3	X	2	X
Kawatsu, Yasuaki	APRESIA Systems	APRESIA Systems	2	X	4	X		
Kikuta, Tomohiro	Orbray Co., Ltd.	Orbray Co., Ltd.	2	X	4	X	2	X
Kim, Do Kyun		LG ELECTRONICS	2	X	4	X	2	X
Kim, Gyudong		Analog Devices Inc.	2	X	4	X	2	X
Kim, Yongbum	General Motors Company	General Motors Company	2	X	4	X	2	X
Kleinwaechter, Mathias	in-tech GmbH	in-tech GmbH	2	X	4	X	2	X
Kotani, Yasuhiro	DENSO	DENSO	2	X	4	X	1	X
Lasry, Ariel	Qualcomm Technologies, Inc	Qualcomm Technologies, Inc	2	X	3	X	2	X
Law, David	Hewlett Packard Enterprise	Hewlett Packard Enterprise	2					
Lee, Ching-Yen		Realtek Semiconductor Corp.	2	X	4	X	2	X
Lewis, Jon	Dell Technologies	Dell Technologies					1	
Lim, Hoei		Aviva Links Inc; Aviva Links Inc.	2	X	4	X	2	X
Lin, YK		Realtek Semiconductor Corp.	2	X	4	X	2	X
Liu, Hai-Feng	HG Genuine	HG Genuine			1	X		
Lo, William	Axonne Inc.	Axonne Inc.	2	X	4	X	2	X
Long, Richard	TE Connectivity	TE Connectivity	2	X	4	X	2	X
Lou, Wei		Broadcom Corporation	2	X	3	X	2	X
Maguire, Valerie	Copperopolis	Copperopolis (aff'l with CME Consulting and Cisco)	2	X	3	X	1	X
Mark, Simon	Würth Elektronik Group	Würth Elektronik Group	2	X	4	X	2	X
Martino, Kjersti	Inneos	Inneos	2	X	4	X	2	X
Mash, Chris	Nupero Ltd	Ethernovia Inc	2	X	4	X	2	X
Matheus, Kirsten	BMW Group	BMW Group	2	X	4	X	2	X
McClellan, Brett	Marvell Semiconductor, Inc.	Marvell Semiconductor, Inc.	2	X	4	X	2	X
Miskho, Michael		Analog Devices Inc.	2	X	4	X	2	X
Murray, Brian	Analog Devices Inc.	Analog Devices Inc.					2	X
NAKAMURA, YUTO		FURUKAWA ELECTRIC	2	X	4	X	2	X
Ng, Hiok Tiaq	Aviva Links Inc.	Aviva Links Inc; Aviva Links Inc.	2	X	4	X	2	X
Niihara, Yoshihiro	Fujikura Ltd.	Fujikura Ltd.	2	X	4	X	2	X
Oishi, Eiichiro		Yazaki Corporation	2	X	4	X	2	X
Pandey, Sujan	Velink	Velink	1	X	4	X	2	X
Pardo, Carlos	Knowledge Development for POF SL	KDPOF	2	X	4	X	2	X
Paul, Michael	Analog Devices Inc.	Analog Devices	2	X	4	X	2	X
Pineda, Luis	LP Tech Advisors, LLC	LP Tech Advisors, LLC (Samsung; Ethernovia)	2	X	3	X		X
Pischl, Neven	Broadcom Corporation	Broadcom Corporation	1	X			1	X
razavi, alireza	Marvell	Marvell	2	X	3	X	2	X
Regev, Alon	Keysight Technologies	Keysight Technologies	1		3			
Reinhard, Michael	SEI Automotive Europe GmbH	SEI Automotive Europe GmbH	2	X	4	X	2	X

Name	Employer	Affiliation	7/29 IMAT	7/29	7/30 IMAT	7/30	7/31 IMAT	7/31
Royer, Tyler	SENKO Advanced Components	Senko Advanced Components	2	X	4	X		
Santulli, Jennifer	IEEE STAFF	IEEE STAFF	1	X	1	X	2	X
Schedl, Anton	BMW Group	BMW Group	2	X	4	X	2	X
Schreiner, Stephan	Rosenberger Hochfrequenztechnik GmbH & Co. KG	Rosenberger	2	X	4	X	1	X
Sedarat, Hossein	Ethernovia	Ethernovia	2	X	4	X	2	X
SETH, SUMANTRA	Texas Instruments Inc.	Texas Instruments Inc.	2	X	2	X		
Sharma, Rohit		Molex Incorporated	2	X	4	X	2	X
Shiino, Masato	FURUKAWA ELECTRIC	FURUKAWA ELECTRIC	2	X	4	X	2	X
shirani, ramin	Ethernovia	Aquantia	2	X	4	X	2	X
Sriram, Chandrasekhar		Texas Instruments Inc.	2	X	4	X		
Stewart, Heath	Analog Devices Inc.	Analog Devices Inc.					2	X
Strohmeier, Heiko	Robert Bosch GmbH	Robert Bosch GmbH	2	X	4	X	2	X
Sun, jingcong	Motorcomm Electronic Technology Co	Motorcomm Electronic Technology Co	2	X	4	X	2	X
Takeuchi, Junichi	JAE Electronics, Inc	JAE Electronics, Inc.	2	X	4	X	2	X
Tan, Yuxuan	Motorcomm	Motorcomm	2	X	4	X	2	X
Tanc, Ahmet		NXP Semiconductors; NXP Semiconductors	2	X	3	X	2	X
Tazebay, Mehmet	Broadcom Corporation	Broadcom Corporation		X	4	X	2	X
Thompson, Geoffrey	GraCaSI S.A.	INDEPENDENT	2	X	4	X	1	X
Torres, Luisma	Knowledge Development for POF SL	KD	2		4	X	2	X
Tu, Mike	Broadcom Corporation	Broadcom Corporation	1	X			1	X
Turner, Max	Ethernovia	Ethernovia	2	X	3	X	2	X
Vakilian, Kambiz	Broadcom Corporation	Broadcom Corporation	2	X	4	X	2	X
Voss, Robert	Panduit Corp.	Panduit Corp.	2	X	2		2	X
Wang, Shun-Sheng	Realtek Semiconductor Corp.	Realtek Semiconductor Corp.	2	X	4	X	2	X
Wienckowski, Natalie	IVN Solutions LLC	IVN Solutions LLC; Ethernovia	8	X		X		X
Withey, James	Fluke Corporation	Fluke Corporation	2	X	4	X	2	X
Wu, Dance	Marvell Semiconductor, Inc.	Marvell Semiconductor, Inc.	2	X	4	X	2	X
Wu, Peter	Marvell Semiconductor, Inc.	Marvell Semiconductor, Inc.	2	X	4	X	2	X
Zerna, Conrad	Aviva Links Inc	Aviva Links Inc	2	X	4	X	2	X
Zhang, Tingting	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd	2	X	4	X	1	X
Zhuang, Yan	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd	2	X	2	X	2	X
Zimmerman, George	CME Consulting, Inc.	CME Consulting/Analog Devices, APL Group, Cisco, Marvell, OnSemi, Sony	2	X	3	X	2	X

Appendix B: Straw Poll Roll Call Records

STRAW POLL #1 – Initial Try (google poll, 802.3 voters only requested to respond)

First Name	Last Name	Affiliation	Straw Poll 1: first attempt (802.3)
Ramanjit	Ahuja	Onsemi	TDD
Hector	Arroyo	Analog Devices	ACT
Tim	Baggett	Microchip	Abstain
Amir	Bar-Niv	Marvell	ACT
Francois	Beauregard	belden	Abstain
Saied	Benyamin	Ethernovia	ACT
rich	boyer	Aptiv	ACT
Michal	Brychta	Analog Devices	ACT
Jae-yong	Chang	Keysight Technologies	ACT
Nicholas	Chimento	Analog Devices	ACT
Ahmad	Chini	Broadcom	TDD
Eyal	Cimet	Waymo LLC	ACT
Jay	Cordaro	Analog Devices	ACT
Kamal	Dalmia	Aviva Links	TDD
Andras	de Koos	Microchip Technology	TDD
Curtis	Donahue	Rohde & Schwarz	Abstain
Keisuke	Eguchi	Analog Devices	ACT
Daniel	Estrakh	Valens	ACT
Paul	Fuller	Marvell	ACT
Claude	Gauthier	NXP, Wayne State University	TDD
Sachin	Goel	Aviva Links Inc.	TDD
Steve	Gorshe	Microchip	TDD
Hideki	Goto	Toyota	ACT
Jim	Graba	Broadcom	TDD
Steffen	Graber	Pepperl+Fuchs SE	ACT
Marty	Gubow	Keysight	Abstain
Ajeya	Gupta	General Motors	ACT
Mary Sue	Haydt	Microchip	Abstain
Thomas	Hogenmueller	Robert Bosch	ACT
TJ	houck	Marvell	ACT
Woojung	Huh	Microchip	Abstain
Yasuhiro	Hyakutake	Orbray	TDD
Brad	Jeffries	Analog Devices	ACT
Peter	Jones	Cisco	ACT
Ragnar	Jonsson	Marvell	ACT
Manabu	Kagami	Nagoya Institute of Technology (NITech)	Abstain
Venkata	Kandarpa	Aviva Links	TDD
Samay	Kapoor	Aviva Links	TDD
Tomohiro	Kikuta	Orbray Co., Ltd.	Abstain
Do Kyun	Kim	LG	ACT
Gyudong	Kim	Analog Devices, Inc.	ACT
Yong	Kim	General Motors	ACT
Mathias	Kleinwaechter	in-tech	TDD
Yasuhiro	Kotani	DENSO	TDD
Ariel	Lasry	Qualcomm	Abstain
Ching_Yen	Lee	Realtek	TDD
Hoei	Lim	Aviva Links Inc	ACT
YK	Lin	Realtek	TDD
William	Lo	Axonne Inc	ACT
Richard	Long	TE Connectivity	Abstain
Wei	Lou	Broadcom	TDD
Valerie	Maguire	Copperopolis (aff'l w/CME Consulting and Cisco)	Abstain
Simon	Mark	Wuerth Elektronik	ACT
Kjersti	Martino	Inneos	Abstain

First Name	Last Name	Affiliation	Straw Poll 1: first attempt (802.3)
Chris	Mash	Ethernovia	ACT
Kirsten	Matheus	BMW AG	TDD
Brett	McClellan	Marvell	ACT
Michael	Miskho	ADI	ACT
Brian	Murray	ADI	ACT
Hiok Tiaq	Ng	Aviva Links Inc	TDD
Yoshihiro	Niihara	Fujikura Ltd.	Abstain
Eiichiro	Oishi	Yazaki Corporation	TDD
Sujan	Pandey	Velink	ACT
Carlos	Pardo	KD	TDD
Michael	Paul	Analog Devices	ACT
Neven	Pischl	Broadcom	TDD
Alireza	razavi	marvell	ACT
Anton	Schedl	BMW Group	TDD
Hossein	Sedarat	Ethernovia	ACT
Rohit	Sharma	Molex LLC	ACT
Masato	Shiino	FURUKAWAELECTRIC	ACT
Ramin	Shirani	Ethernovia	ACT
Heath	Stewart	Analog Devices	ACT
Heiko	Strohmeier	Bosch	ACT
jingcong	Sun	Motorcomm	ACT
Junichi	Takeuchi	JAE	TDD
Yuxuan	Tan	Motorcomm	ACT
Ahmet	Tanc	NXP	TDD
Mehmet	Tazebay	Broadcom	TDD
Luisma	Torres	KD	ACT
Mike	Tu	Broadcom	TDD
Max	Turner	Ethernovia	ACT
Kambiz	Vakilian	Broadcom	TDD
Bob	Voss	Panduit	Abstain
Shun-Sheng	Wang	Realtek	TDD
Peter	Wu	Marvell	ACT
Conrad	Zerna	Aviva Links Inc.	TDD
George	Zimmerman	CME Consulting/(ADI, APL Group, Cisco, Marvell, OnSemi, Sony)	Abstain

Results:		
	TDD	29
	ACT	44
	Abstain	15

Straw Poll 2 – initial try – google poll – 802.3 voters requested only.

While the initial try of straw poll #1 was open, a number of individuals also responded to straw poll 2. This poll had not been called in the meeting, and the results were not reported. They are provided here for full transparency on information.

First Name	Last Name	Affiliation	Straw Poll 2: first attempt (802.3)
Ramanjit	Ahuja	Onsemi	Yes
Hector	Arroyo	Analog Devices	No
Tim	Baggett	Microchip	Yes
Amir	Bar-Niv	Marvell	Yes
Francois	Beauregard	belden	Yes
Saied	Benyamin	Ethernovia	No
Eyal	Cimet	Waymo	No
Jay	Cordaro	Analog Devices	No
Kamal	Dalmia	Aviva Links	Yes
Curtis	Donahue	Rohde & Schwarz	Abstain
Keisuke	Eguchi	Analog Devices	No
Daniel	Estrakh	Valens	No
Paul	Fuller	Marvell	Yes
Claude	Gauthier	NXP, Wayne State University	Yes
Sachin	Goel	Aviva Links Inc.	Yes
Hideki	Goto	Toyota	Yes
Steffen	Graber	Pepperl+Fuchs SE	Yes
Marty	Gubow	Keysight	Yes
Ajeya	Gupta	General Motors	Yes
Mary Sue	Haydt	Microchip	Yes
Thomas	Hogenmueller	Robert Bosch	No
Guy	Hutchison	Aviva Links	Yes
Brad	Jeffries	Analog Devices	No
Venkata	Kandarpa	Aviva Links	Yes
Samay	Kapoor	Aviva Links	Yes
Tomohiro	Kikuta	Orbray Co., Ltd.	Yes
Do Kyun	Kim	LG Electronics, Inc.	No
Gyudong	Kim	Analog Devices, Inc	No
Yong	Kim	General Motors	No
Yasuhiro	Kotani	DENSO	Yes
Ariel	Lasry	Qualcomm	Yes
Hoei	Lim	Aviva Links Inc	Yes
YK	Lin	Realtek	Yes
William	Lo	Axonne Inc.	No
Richard	Long	TE Connectivity	Yes
Wei	Lou	Broadcom	Yes
Kirsten	Matheus	BMW AG	Yes
Michael	Miskho	ADI	No
Brian	Murray	ADI	No
Hiok Tiaq	Ng	Aviva Links Inc	Yes
Eiichiro	Oishi	Yazaki Corporation	Abstain
Sujan	Pandey	Velink	Yes
Michael	Reinhard	SEI Automotive Europe GmbH	Yes
Anton	Schedl	BMW Group	Yes
Masato	Shiino	FURUKAWAELECTRIC	Yes
Yuxuan	Tan	Motorcomm	No
Mehmet	Tazebay	Broadcom	Yes
Luisma	Torres	KD	No
Dance	Wu	Marvell Technology	Yes

Straw Poll 1 (REDO) – DVL & Straw Poll 2 – DVL: 802.3 Voters Only

First Name	Last Name	Straw Poll 1	Straw Poll 2
Ramanjit	Ahuja	TDD	Yes
Hector	Arroyo	ACT	No
Tim	Baggett	TDD	Yes
Amir	Bar-Niv	ACT	Yes
Francois	Beauregard	Abstain	Yes
Saied	Benyamin	ACT	Yes
Rich	Boyer	ACT	Yes
Michal	Brychta	ACT	Yes
Jae-Yong	Chang	ACT	No
Nicholas	Chimento	ACT	No
Ahmad	Chini	TDD	Yes
Jay	Cordaro	ACT	No
Kamal	Dalmia	TDD	Yes
Andras	De Koos	TDD	Yes
Curtis	Donahue	Abstain	Abstain
Daniel	Estrakh	ACT	No
Paul	Fuller	ACT	Yes
Claude	Gauthier	TDD	Yes
Sachin	Goel	TDD	No
Steven	Gorshe	TDD	Yes
Hideki	Goto	ACT	Yes
James	Graba	TDD	Yes
Steffen	Graber	ACT	Yes
Martin	Gubow	Abstain	Yes
Mary Sue	Haydt	Abstain	Yes
Tj	Houck	ACT	Yes
Yasuhiro	Hyakutake	TDD	Yes
Peter	Jones	ACT	No
Ragnar	Jonsson	ACT	Yes
Manabu	Kagami	Abstain	No
Samay	Kapoor	TDD	Yes
Tomohiro	Kikuta	Abstain	Yes
Yongbum	Kim	ACT	Yes
Mathias	Kleinwaechter	TDD	Yes
Ariel	Lasry	Abstain	Yes
Ching-Yen	Lee	TDD	Yes
Yk	Lin	TDD	No
William	Lo	ACT	Yes
Richard	Long	Abstain	Yes
Wei	Lou	TDD	No
Valerie	Maguire	Abstain	Yes
Simon	Mark	ACT	Yes
Kjersti	Martino	Abstain	Yes
Chris	Mash	ACT	No
Kirsten	Matheus	TDD	Yes
Brett	Mcclellan	ACT	No
Brian	Murray	ACT	No
Hiok Tiaq	Ng	TDD	Yes
Yoshihiro	Niihara	Abstain	No
Carlos	Pardo	TDD	No
Michael	Paul	ACT	No
Neven	Pischl	TDD	Yes
Alireza	Razavi	ACT	No
Hossein	Sedarat	ACT	No
Rohit	Sharma	ACT	Yes
Masato	Shiino	ACT	Yes
Ramin	Shirani	ACT	No

First Name	Last Name	Straw Poll 1	Straw Poll 2
Heath	Stewart	ACT	No
Heiko	Strohmeier	ACT	Yes
Jingcong	Sun	ACT	No
Junichi	Takeuchi	TDD	Yes
Yuxuan	Tan	ACT	
Ahmet	Tanc	TDD	Yes
Mehmet	Tazebay	TDD	Yes
Geoffrey	Thompson	Abstain	No
Luisma	Torres	ACT	No
Mike	Tu	TDD	Yes
Max	Turner	ACT	Yes
Kambiz	Vakilian	TDD	Yes
Robert	Voss	Abstain	Yes
Shun-Sheng	Wang	TDD	Yes
James	Withey	Abstain	Abstain
Peter	Wu	ACT	Yes
Conrad	Zerna	TDD	Yes
George	Zimmerman	Abstain	Yes
ADDED MANUALLY			
DK	Kim	Abstain	
	RESULTS STRAW POLL 1:		
	TDD	26	
	ACT	34	
	Abstain	16	
	Did Not Vote	0	
		RESULTS STRAW POLL 2:	
		Yes	49
		No	23
		Abstain	2
		Did Not Vote	4

Straw Polls 1A & 2A – EVERYONE IN MEETING – Google poll

First Name	Last Name	Affiliation	Straw Poll 1A	Straw poll 2A
Ramanjit	Ahuja	Onsemi	TDD	Yes
Hector	Arroyo	Analog Devices	ACT	No
Tim	Baggett	Microchip	TDD	Yes
Amir	Bar-Niv	Marvell	ACT	Yes
Francois	Beauregard	belden	Abstain	Yes
saied	benyamin	ethernovia	ACT	No
rich	boyer	Aptiv	ACT	No
Michal	Brychta	Analog Devices	ACT	Yes
Jae-yong	Chang	Keysight Technologies	ACT	No
Nicholas	Chimento	Analog Devices	ACT	No
ahmad	chini	Broadcom	TDD	Yes
Eyal	Cimet	Waymo LLC	ACT	No
Jay	Cordaro	Analog Devices	ACT	No
Kamal	Dalmia	Aviva Links	TDD	Yes
Andras	de Koos	Microchip Technology	TDD	Yes
Curtis	Donahue	Rohde & Schwarz	Abstain	Abstain
Daniel	Estrakh	Valens	ACT	No
Paul	Fuller	Marvell	ACT	Yes
Claude	Gauthier	NXP, Wayne State University	TDD	Yes
Steve	Gorshe	Microchip	TDD	Yes
Jim	Graba	Broadcom	TDD	Yes

First Name	Last Name	Affiliation	Straw Poll 1A	Straw poll 2A
Steffen	Graber	Pepperl+Fuchs SE	ACT	Yes
Mary Sue	Haydt	Microchip	Abstain	Yes
Thomas	Hogenmueller	Robert Bosch	ACT	No
Daniel	Hopf	Continental	TDD	Yes
Woojung	Huh	Microchip	TDD	Abstain
Guy	Hutchison	Aviva Links	TDD	Yes
Yasuhiro	Hyakutake	Orbray	TDD	Yes
Brad	Jeffries	Analog Devices	ACT	No
Peter	Jones	Cisco Systems	ACT	No
Ragnar	Jonsson	Marvell	ACT	Yes
Venkata	Kandarpa	Aviva Links	TDD	Yes
Samay	Kapoor	Aviva Links	TDD	Yes
Do Kyun	Kim	LG Electronics, Inc.	ACT	No
Gyudong	Kim	Analog Devices, Inc.	ACT	No
Yong	Kim	General Motors	ACT	No
Mathias	Kleinwaechter	in-tech	TDD	Yes
Ariel	Lasry	Qualcomm	Abstain	Yes
Ching-Yen	Lee	Realtek	TDD	Yes
Hoei	Lim	Aviva Links	TDD	Yes
YK	Lin	Realtek	TDD	Yes
William	Lo	Axonne Inc	ACT	No
Wei	Lou	Broadcom	TDD	Yes
Valerie	Maguire	Copperopolis (affl w/CME Consulting and Cisco)	Abstain	Yes
Simon	Mark	Wuerth Elektronik	ACT	Yes
Kjersti	Martino	Inneos	Abstain	Yes
Kirsten	Matheus	BMW	TDD	Yes
Brett	McClellan	Marvell	ACT	No
Michael	Miskho	ADI	ACT	No
Brian	Murray	ADI	ACT	No
Hiok Tiaq	Ng	Aviva Links Inc	TDD	Yes
Yoshihiro	Niihara	Fujikura Ltd.	Abstain	Yes
Eiichiro	Oishi	Yazaki Corporation	TDD	No
Sujan	Pandey	Velink		
Carlos	Pardo	KD	TDD	No
Michael	Paul	Analog Devices	ACT	No
Neven	Pischl	Broadcom	TDD	Yes
Alireza	Razavi	Marvell	ACT	No
Anton	Schedl	BMW Group	TDD	Yes
Hossein	Sedarat	Ethernovia	ACT	No
Rohit	Sharma	Molex LLC	ACT	Yes
Masato	Shiino	FURUKAWA ELECTRIC	ACT	Yes
Ramin	Shirani	Ethernovia	ACT	
Heath	Stewart	Analog Devices	ACT	No
Heiko	Strohmeier	Bosch	ACT	Yes
jingcong	sun	motorcomm	ACT	No
Junichi	Takeuchi	JAE	TDD	Yes
Yuxuan	Tan	Motorcomm	ACT	No
mehmet	tazebay	Broadcom	TDD	Yes
Luisma	Torres	KD	ACT	No
Mike	Tu	Broadcom	TDD	Yes
Max	Turner	Ethernovia	ACT	Yes
Kambiz	Vakilian	Broadcom	TDD	Yes
Bob	Voss	Panduit	Abstain	Yes
Shun-Sheng	Wang	Realtek	TDD	Yes
James	Withey	Fluke	Abstain	Abstain
Dance	Wu	Marvell Technology	ACT	Yes

First Name	Last Name	Affiliation	Straw Poll 1A	Straw poll 2A
Conrad	Zerna	Aviva Links Inc.	TDD	Yes
George	Zimmerman	CME Consulting (ADI,APLGp,Cisco,Marvell,OnSemi, Sony)	Abstain	Yes
RESULTS (Straw Poll 1A):				
			# ACT	37
			# TDD	31
			# Abstain	10
RESULTS (Straw Poll 2A):				
			# Yes	47
			# No	27
			# Abstain	3

Straw Poll #4 (Google poll, EVERYONE IN MEETING)

First Name	Last Name	Affiliation	Straw Poll 4
Ramanjit	Ahuja	Onsemi	Possible
Hector	Arroyo	Analog Devices	Possible
Amir	Bar-Niv	Marvell	Possible
Francois	Beauregard	belden	Likely
Saied	Benyamin	Ethernovia	Possible
rich	boyer	Aptiv	Likely
Michal	Brychta	Analog Devices	Unlikely
Jae-yong	Chang	Keysight Technologies	Unlikely
Nicholas	Chimento	Analog Devices	Unlikely
Ahmad	Chini	Broadcom	Unlikely
Eyal	Cimet	Waymo LLC	Possible
Jay	Cordaro	Analog Devices	Unlikely
Kamal	Dalmia	Aviva Links	Unlikely
Andras	de Koos	Microchip Technology	Very unlikely
Daniel	Estrakh	Valens	Unlikely
Claude	Gauthier	NXP, Wayne State University	Very unlikely
Sachin	Goel	Aviva Links Inc.	Very unlikely
Steve	Gorshe	Microchip	Very unlikely
Hideki	Goto	Toyota	Unlikely
Jim	Graba	Broadcom	Very unlikely
Steffen	Graber	Pepperl+Fuchs SE	Unlikely
Marty	Gubow	Keysight	Unlikely
Mary Sue	Haydt	Microchip	Possible
TJ	Houck	Marvell	Possible
Guy	Hutchison	Aviva Links	Unlikely
Yasuhiro	Hyakutake	Orbray	Possible
Brad	Jeffreis	Analog Devices	Unlikely
Peter	Jones	Cisco Systems	Possible
Ragnar	Jonsson	Marvell	Unlikely
Manabu	Kagami	NITech	Unlikely
Venkata	Kandarpa	Aviva Links	Possible
Do Kyun	Kim	LG Electronics, Inc.	Possible
Gyudong	Kim	Analog Devices, Inc.	Possible
Yong	Kim	General Motors	Unlikely
Mathias	Kleinwaechter	in-tech	Possible
Ariel	Lasry	Qualcomm	Unlikely
Ching-Yen	Lee	Realtek	Possible
Hoei	Lim	Aviva Links	Very unlikely
YK	Lin	Realtek	Possible
William	Lo	Axonne Inc	Unlikely
Richard	Long	TE Connectivity	Unlikely
Wei	Lou	Broadcom	Very unlikely

First Name	Last Name	Affiliation	Straw Poll 4
Simon	Mark	Wuerth Elektronik	Possible
Kirsten	Matheus	BMW	Likely
Brett	McClellan	Marvell	Unlikely
Michael	Miskho	ADI	Very unlikely
Brian	Murray	ASI	Unlikely
Hiok Tiaq	Ng	Aviva Links Inc	Unlikely
Yoshihiro	Niihara	Fujikura Ltd.	Possible
Eiichiro	Oishi	Yazaki Corporation	Very unlikely
Sujan	Pandey	Velink	Unlikely
Carlos	Pardo	KD	Likely
Michael	Paul	Analog Devices	Possible
Neven	Pischl	Broadcom	Unlikely
Alireza	Razavi	Marvell	Unlikely
Anton	Schedl	BMW Group	Likely
Hossein	Sedarat	Ethernovia	Likely
Rohit	Sharma	Molex LLC	Possible
Masato	Shiino	FURUKAWA ELECTRIC	Unlikely
Heath	Stewart	Analog Devices	Possible
Heiko	Strohmeier	Bosch	Unlikely
Jingcong	Sun	Motorcomm	Likely
Junichi	Takeuchi	JAE	Unlikely
Yuxuan	Tan	Motorcomm	Possible
Ahmet	Tanc	NXP	Likely
Mehmet	Tazebay	Broadcom	Very unlikely
Geoff	Thompson	Independent	Unlikely
Luisma	Torres	KD	Possible
Max	Turner	Ethernovia	Unlikely
Kambiz	Vakilian	Broadcom	Unlikely
Bob	Voss	Panduit	Possible
Shun-Sheng	Wang	Realtek	Possible
James	Withey	Fluke	Possible
Dance	Wu	Marvell	Very unlikely
Conrad	Zerna	Aviva Links Inc.	Possible
George	Zimmerman	CME Consulting (ADI, APLgp, Cisco, Marvell, ONsemi, Sony)	Unlikely
			RESULTS:
			# Likely 8
			# Possible 26
			# Unlikely 31
			# Very unlikely 11