

## IEEE 802.3 COM Ad hoc

Unapproved Meeting Minutes, Prepared by Kent Lusted

### 15 May April 2025 Ad hoc Meeting

Location: New Orleans, LA, USA

IEEE 802.3 COM Ad Hoc meeting page: [https://www.ieee802.org/3/ad\\_hoc/COM/public/2505/index.html](https://www.ieee802.org/3/ad_hoc/COM/public/2505/index.html)

Meeting called to order at ~8:01 am (all times Central Daylight Time CDT) by Kent Lusted, who was chairing the meeting.

Chair noted that individuals should fill out IMAT information for attendance.

Chair reminded participants to declare their affiliation in the online meeting. Failure to do so would result in expulsion from the meeting.

Presentation #1	Agenda
Presenter	Kent Lusted
URL	<a href="https://www.ieee802.org/3/ad_hoc/COM/public/2505/agenda_COM_01a_2505.pdf">https://www.ieee802.org/3/ad_hoc/COM/public/2505/agenda_COM_01a_2505.pdf</a>

The chair asked if there were any modifications for the agenda (See slide #4). Chair asked if there were any corrections or modifications. No one responded. Chair asked if there was objection to approving the agenda. There were no objections to the approval of the agenda, and it was considered approved by unanimous consent.

Chair noted that the meeting minutes from the last meeting were posted to the IEEE 802.3 COM ad hoc website. Chair asked if there were any corrections or modifications. No one responded. Chair asked if there was objection to approving the posted minutes from the last COM ad hoc meeting. There were no objections, and it was considered approved by unanimous consent.

The chair noted an email had been sent out to the reflector reminding individuals to review the following IEEE SA policies-

- IEEE SA Participation Policy
- IEEE SA Copyright Policy
- IEEE SA Patent Policy

Chair asked if anyone needed any of these policies reviewed in-depth. There were no requests.

Chair presented the third slide (See Slide #17) of the IEEE SA Pre-PAR Patent Policy slides.

Chair presented the second slide (See Slide #19) of the IEEE SA Copyright Policy slides. Chair noted – “By participating in this activity, you agree to comply with the IEEE Code of Ethics, all applicable laws, and all IEEE policies and procedures including, but not limited to, the IEEE SA Copyright Policy.”

Chair presented the second slide (See Slide #22) of the IEEE SA Participation Policy slides. Chair noted – “Participants in the IEEE-SA “individual process” shall act independently of others, including employers. By participating in standards activities using the “individual process”, you are deemed to accept these requirements; if you are unable to satisfy these requirements then you shall immediately cease any participation.”

Chair reminded participants of the IEEE Code of Ethics and Code of Conduct. (see slide #22)

The chair reviewed meeting decorum. See Slide #7.

<b>Presentation #2</b>	<b>Setting up Git Repository for 802-COM</b>
Presenter	Adam Gregory
URL	<a href="https://www.ieee802.org/3/ad_hoc/COM/public/2505/gregory_COM_01_2505.pdf">https://www.ieee802.org/3/ad_hoc/COM/public/2505/gregory_COM_01_2505.pdf</a>

#### **IMAT Reminder:**

9:11 a.m. Chair asked that eligible participants should sign in to IMAT to claim Working Group attendance credit. He noted that participants not eligible to sign in to IMAT to claim Working Group attendance credit are to send an email to John D’Ambrosia / Kent Lusted to be recorded in the meeting minutes. He paused for a minute to let eligible attendees sign into IMAT. He asked if there was any eligible participant having a problem signing into IMAT. No one responded. The announcement reminded participants that participation in the May 2025 meeting requires registration or payment of registration fee.

<b>Presentation #3</b>	<b>Contributing to 802-COM by creating Feature Branches and Merging</b>
Presenter	Adam Gregory
URL	<a href="https://www.ieee802.org/3/ad_hoc/COM/public/2505/gregory_COM_02_2505.pdf">https://www.ieee802.org/3/ad_hoc/COM/public/2505/gregory_COM_02_2505.pdf</a>

#### **AM Break:**

Break at 9:58 a.m. Resumed at 10:18 a.m.

<b>Presentation #</b>	<b>Request 4p8_7: SNDR (REF) commit request</b>
Presenter	Rich Mellitz
URL	<a href="https://www.ieee802.org/3/ad_hoc/COM/public/2505/mellitz_COM_01a_2505.pdf">https://www.ieee802.org/3/ad_hoc/COM/public/2505/mellitz_COM_01a_2505.pdf</a>

Author noted an typo in the contribution where ‘mellitz\_3dj\_02\_2503’ should be ‘mellitz\_3dj\_02\_2505’ and would provide an updated version ‘01a’. There was agreement to mark the request as accept.

<b>Presentation #</b>	<b>Request 4p8_8: SNR MDNEXT commit request</b>
Presenter	Rich Mellitz
URL	<a href="https://www.ieee802.org/3/ad_hoc/COM/public/2505/mellitz_COM_02b_2505.pdf">https://www.ieee802.org/3/ad_hoc/COM/public/2505/mellitz_COM_02b_2505.pdf</a>

Author noted an typo in the contribution where 'mellitz\_3dj\_02\_2503' should be 'mellitz\_3dj\_02\_2505' and would provide an updated version '02b'. There was agreement to mark the request as accept.

<b>Presentation #</b>	<b>Request 4p8_3: Correction to Calculation of 'g_an', Scale Factor for Added Noise</b>
Presenter	Hossein Shakiba
URL	<a href="https://www.ieee802.org/3/ad_hoc/COM/public/2505/shakiba_COM_01_2505.pdf">https://www.ieee802.org/3/ad_hoc/COM/public/2505/shakiba_COM_01_2505.pdf</a>

There was agreement to mark the request as accept.

#### IMAT Reminder:

11:10 a.m. Chair asked that eligible participants should sign in to IMAT to claim Working Group attendance credit. He noted that participants not eligible to sign in to IMAT to claim Working Group attendance credit are to send an email to John D'Ambrosia / Kent Lusted to be recorded in the meeting minutes. He paused for a minute to let eligible attendees sign into IMAT. He asked if there was any eligible participant having a problem signing into IMAT. No one responded.

<b>Presentation #</b>	<b>Request 4p8_4: Adding an Independent Parameter in COM Configuration for the Receiver Impairment Target</b>
Presenter	Hossein Shakiba
URL	<a href="https://www.ieee802.org/3/ad_hoc/COM/public/2505/shakiba_COM_02_2505.pdf">https://www.ieee802.org/3/ad_hoc/COM/public/2505/shakiba_COM_02_2505.pdf</a>

There was agreement to mark the request as accept.

<b>Presentation #</b>	<b>Request 4p8_5: Action needed on Improving COM Simulation Run Time in the Presence of Quantization Noise</b>
Presenter	Hossein Shakiba
URL	<a href="https://www.ieee802.org/3/ad_hoc/COM/public/2505/shakiba_COM_03_2505.pdf">https://www.ieee802.org/3/ad_hoc/COM/public/2505/shakiba_COM_03_2505.pdf</a>

There was a preference for option #3 on slide 8. There was agreement that specific changes related to option #3 should be included before it could be adopted. There was agreement to mark the request as incomplete.

<b>Presentation #</b>	<b>Request 4p8_6: Optimize FOM Reduction</b>
Presenter	Adam Gregory
URL	<a href="https://www.ieee802.org/3/ad_hoc/COM/public/2505/gregory_COM_03_2505.pdf">https://www.ieee802.org/3/ad_hoc/COM/public/2505/gregory_COM_03_2505.pdf</a>

There was a request for a test cases summary showing any impact. There was agreement to mark the request as deferred.

<b>Presentation #</b>	<b>Request 4p8_9: MMSE FOM Speed Up commit request</b>
Presenter	Adam Gregory
URL	<a href="https://www.ieee802.org/3/ad_hoc/COM/public/2505/gregory_COM_04_2505.pdf">https://www.ieee802.org/3/ad_hoc/COM/public/2505/gregory_COM_04_2505.pdf</a>

There was a request for a test cases summary showing any impact. There was agreement to mark the request as deferred.

<b>Presentation #</b>	<b>Channel Operating Margin (COM) Code Commit Request Summary – 15 May 2025</b>
Presenter	Kent Lusted
URL	<a href="https://www.ieee802.org/3/ad_hoc/COM/public/2505/lusted_COM_01a_2505.pdf">https://www.ieee802.org/3/ad_hoc/COM/public/2505/lusted_COM_01a_2505.pdf</a>

Changes were made during discussion of the dispositions to use with each change request and saved as version '01a'.

#### **Straw Poll #1:**

I would support the proposed dispositions per lusted\_COM\_01a\_2505

Results: Y: 25 N: 0, A: 11

Chair reviewed future meetings. Details would be announced over the COM ad hoc email reflector.

Meeting adjourned at 12:16 p.m. CDT.

## Attendees (per IMAT)

Name	Employer	Affiliation
Akinwale, Oluwafemi		Intel Corporation
Bernier, Eric	Huawei Technologies Canada Co., Ltd.	Huawei Technologies Canada Co., Ltd.
Brown, Matthew	Alphawave	Alphawave
Bruckman, Leon	NVIDIA	NVIDIA
Calvin, John	Keysight Technologies	Keysight Technologies
Chan, Jason		Arista Networks
Chen, Chan	Self Employed	Independent/AOI
Choudhury, Golam	Lightera	Lightera
Cox, Ian		Broadcom Corporation
D'Ambrosia, John	Futurewei Technologies, U.S. Subsidiary of Huawei	Futurewei Technologies, U.S. Subsidiary of Huawei
Dsilva, Hansel		Amphenol Corporation
Dudek, Michael	Marvell	Marvell
El-Chayeb, Ahmad	Keysight Technologies Inc	Keysight Technologies Inc
Estes, David	Spirent Communications	Spirent Communications
Galan, Jose	MaxLinear, Inc.	MaxLinear, Inc.
Ghiasi, Ali	Ghiasi Quantum LLC	Ghiasi Quantum LLC; Marvell Semiconductor, Inc.
He, Xiang	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Healey, Adam	Broadcom Inc.	Broadcom Inc.
Heck, Howard	TE Connectivity	TE Connectivity
Hidaka, Yasuo	Credo Semiconductor	Credo Semiconductor
Hiroaki, Kukita	Yamaichi Electronics	Yamaichi Electronics
Huang, Kechao		Huawei Technologies Co., Ltd
Issenhuth, Tom	Issenhuth Consulting, LLC	Huawei Technologies Co., Ltd
Kapoor, Samay	Aviva Links	Aviva Links Inc.
Kareti, Upen	Cisco Systems, Inc.	Cisco Systems, Inc.
Kimber, Eric	Semtech Ltd	Semtech Ltd
Kochuparambil, Elizabeth	Cisco Systems, Inc.	Cisco Systems, Inc.
Kocsis, Sam	Amphenol Corporation	Amphenol Corporation
Kondo, Taiji	Dexerials Corporation	Dexerials Corporation
Kota, Kishore	Marvell Semiconductor, Inc.	Marvell Semiconductor, Inc.
Kutscher, Noam		Marvell
Landry, Gary	Texas Instruments Inc.	Texas Instruments Inc.
Law, David	Hewlett Packard Enterprise	Hewlett Packard Enterprise
Levin, Itamar	Altera Corporation, an Intel company	Altera Corporation, an Intel company
Levy, Nir		Alphawave Semi
Li, Mike-Peng	Intel	Intel
Li, Pei-Rong	MediaTek Inc.	MediaTek Inc.
Liu, Karen	Nubis Communications	Nubis Communications

Name	Employer	Affiliation
Lusted, Kent	Synopsys, Inc.	Synopsys, Inc.
Maki, Jeffery	Juniper Networks, Inc.	Juniper Networks, Inc.
Malicoat, David	Malicoat Networking Solutions	Malicoat Networking Solutions; SENKO Advanced Components
Mitcheltree, Tom	US Conec, Ltd.	US Conec, Ltd.
Moorwood, Charles	Keysight Technologies	Keysight Technologies
Muhigana, Ernest	Lumentum LLC	Lumentum
Muller, Shimon	Enfabrica Corp.	Enfabrica
MURAKAMI, YUKI	FUJITSU	FUJITSU
Murty, Ramana	Broadcom Inc.	Broadcom Corporation
Nakamoto, Edward	Spirent Communications	Spirent Communications
Nicholl, Gary	Cisco Systems, Inc.	Cisco Systems, Inc.
Nicholl, Shawn	Advanced Micro Devices (AMD)	Advanced Micro Devices (AMD)
Nowell, Mark	Cisco Systems, Inc.	Cisco Systems, Inc.
Omori, Kumi	NEC Corporation	NEC Corporation
Palkert, Thomas		Samtec-Macom
Perez De Aranda Alonso, Ruben	Knowledge Development for POF SL	Cisco Systems, Inc.
Phadke, Rohan		Arista Networks
Pinto, Anthony		CoMira Solutions
Rabinovich, Rick	Keysight Technologies	Keysight Technologies
Ran, Adeel	Cisco Systems, Inc.	Cisco Systems, Inc.
Rock, Jason		Dell Inc.; Dell Technologies
Rodes, Roberto	II-VI	II-VI
Sakai, Toshiaki	Socionext Inc.	socionext
Salvekar, Atul	Cadence Design Systems	Cadence
Sekel, Steve	Wilder Technologies	Keysight Technologies
Shakiba, Mohammad	Huawei Technologies Canada	Huawei Technologies Canada; Huawei Technologies Co., Ltd
Shanbhag, Megha	Tyco	TE Connectivity
Sheffi, Nir	Alphawave	Alphawave
Shrikhande, Kapil	Marvell Semiconductor, Inc.	Marvell Semiconductor, Inc.
Simms, William	NVIDIA Corporation	NVIDIA Corporation
Smith, Evan	Tektronix, Inc.	Tektronix, Inc.
Sommers, Scott	Molex LLC	Molex Incorporated
Son, Yung Sung	Optomind Inc	Optomind Inc
Sorbara, Massimo	GLOBALFOUNDRIES	GLOBALFOUNDRIES
Stephens, Jeremy	Intel	AMD
Swenson, Norman	Norman Swenson Consulting	Norman Swenson Consulting; Point2 Technology Inc.; Nokia
Tracy, Nathan	TE Connectivity	TE Connectivity
Venkataraman, Srinivas		Facebook
WANG, Xuebo		Huawei Technologies Co., Ltd
Weaver, James	Arista Networks	Arista Networks
Wingrove, Michael	Ciena Corporation	Ciena Corporation

Name	Employer	Affiliation
XU, LI	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd