

IEEE 802.3 Channel Operating Margin (COM) Ad Hoc Closing Report

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Leadership Appointments

- Transitioning the IEEE 802.3 COM ad hoc leadership as follows
 - IEEE 802.3 COM ad hoc
 - Howard Heck, IEEE 802.3 COM ad hoc Chair
 - Kent Lusted, IEEE 802.3 COM ad hoc Vice-Chair
 - IEEE SA Open Source Project 802-COM
 - Howard Heck, 802-COM OS Project Lead/POC
 - Kent Lusted, 802-COM alternate OS project lead
 - Adam Healey, 802-COM alternate OS project lead (unchanged)

IEEE 802.3 COM Ad Hoc

- Ad Hoc Organization
 - Howard Heck, IEEE 802.3 Com Ad Hoc Chair
 - Kent Lusted, IEEE 802.3 COM Ad Hoc Vice-Chair
- Ad Hoc Web and Reflector Information
 - Home Page – https://www.ieee802.org/3/ad_hoc/COM/
 - Reflector Information – https://www.ieee802.org/3/ad_hoc/COM/reflector.html
 - COM Ad Hoc Calls – see [IEEE 802.3 Call and Meeting Calendar](#)

Open Change Requests (1/2)

Commit Request #	Submitter	Description	Proposed Disposition
4p9_1	Hossein Shakiba	Improving COM Simulation Run Time in the Presence of Quantization Noise	Accept
4p9_2	Adam Gregory	Optimize FOM Reduction	Accept
4p9_3	Adam Gregory	MMSE FOM Speed Up commit request	Accept
4p9_4	Rich Mellitz	Zero Pad	Accept

Same as https://www.ieee802.org/3/ad_hoc/COM/public/telecon/250717/lusted_COM_01_250717.pdf

Open Change Requests (2/2)

Commit Request #	Submitter	Description	Proposed Disposition
4p9_5	Rich Mellitz	COM Implementation example of receiver interference tolerance specified in 178A.1.7.5 (RiTol)	Accept
4p9_6	Adam Gregory	Bug Fix for htn calculation in get_PSDs	Accept
4p9_7	Adam Gregory	Bug Fix for sampled pulse used for quantization	Accept

Same as https://www.ieee802.org/3/ad_hoc/COM/public/telecon/250717/lusted_COM_01_250717.pdf

COM Ad Hoc Straw Poll

Straw Poll #1:

I would support the proposed dispositions per
lusted_COM_01_250717

Results: Y: 15 , N: 0 , A: 3

https://www.ieee802.org/3/ad_hoc/COM/public/telecon/250717/COM_Motions_Straw_Polls_250717.pdf

WG Motion

- Move to generate COM v4.10 from COM 4.9 and the dispositions per 0725_COM_ad_hoc_plenary_close_report, slides 4 and 5

M: Kent Lusted

S: Howard Heck

Technical ($\geq 75\%$)

Results:

Future Meetings

- COM ad hoc teleconference meetings
 - 19 August 2025, 7-745am Pacific
 - 2 September 2025, 7-745am Pacific

Thank You!