

Unconfirmed Meeting Minutes: IEEE 802.3 TIA TSB-6000 Ad Hoc

October 14, 2026, Telephonic Ad Hoc meeting

Prepared by George Zimmerman

All times in PDT

IEEE 802.3 Ad Hoc meeting was convened at 9:01AM by the chair, George Zimmerman.

The meeting was held telephonically.

Attendance is listed in Appendix A.

The Chair noted a large number of TIA TR42 participants in attendance, many who were not usual 802.3 participants.

The Chair displayed and proceeded to review the agenda on page 2 of

https://www.ieee802.org/3/ad_hoc/extended/agenda_adhoc_3TIAExtendedReach_01_20261013.pdf

This file is referred to in these minutes as “the agenda deck”.

The agenda was approved at 9:08AM by unanimous consent.

The group consented to George Zimmerman also serving as recording secretary for this ad hoc meeting.

Members of the Press, at 9:10AM PDT the chair asked for any press members to identify themselves. None heard.

Goals for the Meeting

- Review TIA TSB-5073 draft 3
- Discuss and prepare to draft liaison with comments, if needed

Attendance, the Chair advised the group that the attendance would be taken from Webex.

At 9:17 AM PDT the Chair reviewed the pre-par patent policy in the agenda deck. There were no responses or questions.

At 9:20AM CDT, the Chair resumed review of the agenda deck, including the following items – a review of the participation policy, a review of the IEEE copyright policy, a review of the IEEE policy on dominance, and a review of the IEEE Standards process. There were no questions.

Presentations and Discussion:

At 9:20 AM PDT, the Chair moved on to discussion of the draft, from the agenda deck (slides 20 – 25).

The draft was noted as being stored in the IEEE 802 Working Group private area at

https://ieee802.org/3/private/liaison_docs/tia/TR42.7-2026-10-6%20Draft%203%20TIA%20PN%20TSB-5073.pdf

Key areas discussed are below:

Discussion of Draft

The discussion considered that the draft addressed extended reach applications of 802.3 PHYs in two scenarios:

1. Where greater than 100m of cabling might constitute a link segment with electrical parameters compliant with IEEE 802.3 link segment specifications, and
2. Where greater than 100m cabling might constitute a link segment beyond 802.3 requirements in at least one parameter, but because of extra margin or environmental conditions the link might still function.

Examples were given of text to both points, as well as the 'risk assessment' matrix.

Available presented test data:

A participant noted an IWCS paper with some test data beyond 100m reach for Ethernet equipment. The participant was encouraged to forward the link to the email reflector for the participants.

10BASE-T vs. 10BASE-Te:

Another participant noted that analysis in the draft TSB referenced 10BASE-T, and that he believed that most ports currently identified as 10BASE-T are actually what is specified as 10BASE-Te in IEEE 802.3, making a material technical difference, since 10BASE-Te was specified for less insertion loss in IEEE Std 802.3az-2009. In response to this, a participant affiliated with a major manufacturer of Ethernet networking equipment provided an excerpt on what is commonly claimed for compliance in an available Ethernet switch (<https://www.cisco.com/c/en/us/products/collateral/switches/catalyst-9300-series-switches/nb-06-cat9300-ser-data-sheet-cte-en.html>), showing a lack of mention of 10BASE-Te, meaning it either was "stealth" and unlabeled, or 10BASE-T was used:

- IEEE 802.3 10BASE-T specification
- IEEE 802.3u 100BASE-TX specification
- IEEE 802.3ab 1000BASE-T specification
- IEEE 802.3z 1000BASE-X specification
- IEEE 802.3bz Multirate 2.5G/5G specification
- IEEE 802.3an 10G BASE-T specification

Environmental issues

Another participant suggested that the EMC and thermal environments were an important consideration in determining the distance (and insertion loss) that a PHY might be able to tolerate. In discussion he was referred to examine and consider comments on the environmental section of the TSB.

Next meeting and TIA TR42 Call for Comments Process

Mr. Zimmerman closed the meeting announcing the Next Meeting, where the goal would be to put together any draft comments for 802.3 members to consider.

Next Meetings

- October 29, 2026, 7-9AM Pacific, by webex. No registration required. (see <https://www.ieee802.org/3/calendar.html> or details)
- Please send requests for presentations by 5PM pacific 10/27/2026 to george@cmephyconsulting.com
- Presentations should focus on comments to be made on the draft.

Comment process

The Chair consulted the liaison officer, Mr. Bob Voss, who informed him that the process would be for the ad hoc to put together comments for the 802.3 working group to consider to liaise to TIA TR42. He further clarified that he believed that those who were not TIA members could not submit comments directly, so they should use this process or seek out a TIA TR42 participant.

Adjournment:

Having exhausted the agenda and time, the chair adjourned the meeting at 10:01AM PDT

Appendix A: IEEE 802.3 TIA TSB-6000 Ad Hoc Attendance

First Name	Last Name	Affiliation
Dan	Barrera	Trend Networks
Steve	Carlson	Retired/unaffiliated
Michael	Dodds	Leviton
Bob	Faber	Salas O'Brien
Peter	Fischer	SwissBES
Matthias	Fritsche	HARTING
Todd	Harpel	Leviton
Wayne	Hopkinson	CommScope
Chad	Jones	Cisco
Peter	Jones	Cisco
Brett	McClellan	Marvell
Richard	Mei	CommScope
Luke	Noble	CommScope
Masood	Shariff	CommScope
Geoffrey	Thompson	Independent
Paul	Vanderlaan	Panduit
Bob	Voss	Panduit
Brad	Woodman	Molex
George	Zimmerman	CME Consulting/ADI, Cisco, Eliyan, Infineon, OnSemi, Sony