

IEEE 802.3 Ethernet Working Group  
**DRAFT** Liaison Communication

Source: IEEE 802.3 Working Group <sup>1</sup>

To: Greg Sandels                      Chair, TIA TR-42 Engineering Committee  
[REDACTED]

CC: Konstantinos Karachalios      Secretary, IEEE-SA Standards Board  
   Secretary, IEEE-SA Board of Governors  
   [REDACTED]

         Patrick Gibbons              Senior Solutions Manager, IEEE-SA  
   [REDACTED]

         Paul Nikolich                  Chair, IEEE 802 LMSC  
   [REDACTED]

         Adam Healey                  Vice-chair, IEEE 802.3 Ethernet Working Group  
   [REDACTED]

         Jon Lewis                      Secretary, IEEE 802.3 Ethernet Working Group  
   [REDACTED]

         Robert Lingle, Jr.              Chair, IEEE P802.3db Task Force  
   [REDACTED]

         Henry Franc                    TIA TR-42 Engineering Committee Vice Chair  
   [REDACTED]

         Jonathan Jew                  TIA TR-42 Engineering Committee Secretary  
   [REDACTED]

         Patrick Van Vickle              TIA TR-42.12 Subcommittee Chair  
   [REDACTED]

         Teesha Jenkins                  TIA Manager, Standards Secretariat Services  
   [REDACTED]

From: David Law                      Chair, IEEE 802.3 Ethernet Working Group  
   [REDACTED]

Subject: Liaison reply to TR-42 on the use of test method TIA-455-54 (FOTP 54)

Approval: **Agreed to at IEEE 802.3 Mid-session Plenary meeting, November 11, 2021**

Dear Mr. Sandels,

Thank you for your liaison letter dated October 6, 2021, recommending that test references method TIA-455-54 (FOTP 54), which TIA is considering for retirement, be replaced with a reference to Annex D of TIA-455-204 (FOTP 204).

As previously indicated in our letter to you dated **July 22, 2021**, there are two references to "TIA 455-54A-1990 (FOTP 54)" in IEEE Std 802.3™-2018, IEEE Standard for Ethernet,

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<sup>1</sup> This document solely represents the views of the IEEE 802.3 Working Group, and does not necessarily represent a position of the IEEE, the IEEE Standards Association, or IEEE 802

Section One:

- 1) 1.4 Definitions, page 98:
  - 1.4.369 overfilled launch: The overfilled launch condition that excites both radial and azimuthal modes defined in ANSI/EIA/TIA 455-54A-1990 [B7].
- 2) Annex A (Informative), Bibliography, page 572:
  - “[B7] ANSI/EIA/TIA 455-54A-1990 (FOTP-54), Mode Scrambler Requirements for Overfilled Launching Conditions to Multimode Fibers.”

We propose to replace the above TIA 455-54A-1990 (FOTP 54) references with Annex D of TIA-455-204, as you recommended. It is expected that comments will be submitted against the current revision project of IEEE Std 802.3™-2018, IEEE Standard for Ethernet, proposing update to the above references.

Sincerely,

David Law

Chair, IEEE 802.3 Ethernet Working Group