IEEE 802.3 Ethernet Working Group
DRAFT Liaison Communication

Source:	IEEE 802.3 Working Group [1]	
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From:	David Law	Chair, IEEE 802.3 Ethernet Working Group dlaw@hpe.com
Subject:	Liaison reply to TR-42 on the use of test method TIA-455-30 (FOTP 30)	
Approval:	Agreed to at IEEE 802.3 Closing Plenary meeting, July 22, 2021	

Dear Mr. Sandels,

Thank you for your liaison letter dated June 17, 2021, informing us that the following document is being considered for retirement by TIA TR-42:

- TIA-455-30 Frequency Domain Measurement of Multimode Optical Fiber Information Transmission Capacity

[1] 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

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Based on your liaison request, we reviewed the following IEEE 802.3 standard for references to TIA-455-30 (FOTP 30):

- IEEE Std 802.3cr™-2021, Amendment 10: Maintenance #14: Isolation

No references to TIA-455-30 (FOTP 30) were found.

Additionally, we reviewed the following IEEE 802.3 standards that have Multimode Optical Fiber link specifications for references to TIA-455-30 (FOTP 30):

- IEEE Std 802.3™-2018, IEEE Standard for Ethernet
- IEEE Std 802.3cd™-2018, Amendment 3: Media Access Control Parameters for 50 Gb/s and Physical Layers and Management Parameters for 50 Gb/s, 100 Gb/s, and 200 Gb/s Operation
- IEEE Std 802.3cm™-2020, Amendment 7: Physical Layer and Management Parameters for 400 Gb/s over Multimode Fiber

There is only one reference to “TIA 455-30B-1991 (FOTP 30)”, referenced in IEEE Std 802.3™-2018, IEEE Standard for Ethernet, Section One, Annex A (Informative), Bibliography, page 572:

- “[B4] ANSI/EIA/TIA 455-30B-1991 (FOTP-30), Frequency Domain Measurement of Multimode Optical Fiber Information Transmission Capacity.”

We propose to replace the TIA-455-30B-1991 reference with TIA-455-204, which you indicated had superseded TIA-455-30. It is expected that comments will be submitted against the current revision of IEEE Std 802.3™-2018, IEEE Standard for Ethernet, proposing update to the above reference.

Regarding other possible references in IEEE-SA standards to TIA-455-30 (FOTP 30), such as IEEE 1594 Helically-Applied Fiber Optic Cable Systems (WRAP) for Use on Overhead Utility Lines referenced in your letter, we have referred this request to Mr. Patrick Gibbons, Senior Solutions Manager at IEEE-SA, for consideration and appropriate follow-up.

Sincerely,

David Law

Chair, IEEE 802.3 Ethernet Working Group

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