IEEE 802.3 Ethernet Working Group DRAFT Liaison Communication

Source: IEEE 802.3 Working Group ¹

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

CC: Konstantinos Karachalios Secretary, IEEE-SA Standards Board

Secretary, IEEE-SA Board of Governors

Patrick Gibbons Senior Solutions Manager, IEEE-SA

Paul Nikolich Chair, IEEE 802 LMSC

Adam Healey Vice-chair, IEEE 802.3 Ethernet Working Group

Jon Lewis Secretary, IEEE 802.3 Ethernet Working Group

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

Henry Franc TIA TR-42 Engineering Committee Vice Chair

Jonathan Jew TIA TR-42 Engineering Committee Secretary

Patrick Van Vickle TIA TR-42.12 Subcommittee Chair

Teesha Jenkins TIA Manager, Standards Secretariat Services

From: David Law Chair, IEEE 802.3 Ethernet Working Group

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,

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

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 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