

#### DECLARATION OF DAVID RINGLE

I, David Ringle, am over twenty-one (21) years of age. I have never been convicted of a felony, and I am fully competent to make this declaration. I declare the following to be true to the best of my knowledge, information and belief:

- 1. I am the Director of IEEE-SA Governance for the Institute of Electrical and Electronics Engineers, Incorporated ("IEEE").
- 2. IEEE is a neutral third party in this dispute.
- 3. Neither I nor IEEE itself is being compensated for this declaration.
- 4. Among my responsibilities as Director of IEEE-SA Governance I act as a custodian of certain records for IEEE.
- 5. I make this declaration based on my personal knowledge, information contained in the business records of IEEE, or confirmation with other responsible IEEE personnel with such knowledge.
- 6. As part of its ordinary course of business IEEE publishes and makes available technical articles and standards. These publications are made available for public download through the IEEE digital library, IEEE Xplore.
- 7. It is the regular practice of IEEE to publish articles and other writings including article abstracts and make them available to the public through IEEE Xplore. IEEE maintains copies of publications in the ordinary course of its regularly conducted activities
- 8. The document below, along with its abstract, has been attached as Exhibit A to this declaration:
  - A. 802.11a-1999 IEEE Standard for Telecommunications and Information Exchange Between Systems LAN/MAN Specific Requirements Part 11: Wireless Medium Access Control (MAC) and physical layer (PHY) specifications: High Speed Physical Layer in the 5 GHz band, date of publication December 30, 1999.
- 9. I obtained a copy of Exhibit A through IEEE Xplore, where it is maintained in the ordinary course of IEEE's business. Exhibit A is a true and correct copy of the Exhibit as it existed on or about June 26, 2023.



- 10. Exhibit A states the date of its publication.
- 11. 802.11a-1999 IEEE Standard for Telecommunications and Information Exchange Between Systems LAN/MAN Specific Requirements Part 11: Wireless Medium Access Control (MAC) and physical layer (PHY) specifications: High Speed Physical Layer in the 5 GHz band, date of publication December 30, 1999. This document is currently available for public download from the IEEE digital library, IEEE Xplore.
- 12. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001.

I declare under penalty of perjury that the foregoing statements are true and correct.

		Docusigned by.
Executed on:	6/26/2023	David Kingle BB175515853F410



# **EXHIBIT A**



(Supplement to IEEE Std 802.11-1999)

Supplement to IEEE Standard for Information technology—

Telecommunications and information exchange between systems—

Local and metropolitan area networks— Specific requirements—

# Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications:

# **High-speed Physical Layer in the 5 GHZ Band**

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LAN/MAN Standards Committee of the IEEE Computer Society

Approved 16 September 1999

**IEEE-SA Standards Board** 

**Abstract:** Changes and additions to IEEE Std. 802.11-1999 are provided to support the new high-rate physical layer (PHY) for operation in the 5 GHz band.

**Keywords:** 5 GHz, high speed, local area network (LAN), orthogonal frequency division multiplexing (OFDM), radio frequency, unlicensed national information infrastructure (U-NII), wireless

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