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STANDARDS

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

Amendment 1:
Enhancements for High-Efficiency WLAN

IEEE Computer Society

Developed by the
LAN/MAN Standards Committee

IEEE Std 802.11ax™-2021
(Amendment to IEEE Std 802.11-2020)

IEEE

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Approved 9 February 2021

IEEE SA Standards Board

Abstract: Modifications to both the IEEE 802.11 physical layer (PHY) and medium access control (MAC) sublayer for high-efficiency operation in frequency bands between 1 GHz and 7.125 GHz are defined in this amendment to IEEE Std 802.11-2020.

Keywords: dense deployment, high efficiency, IEEE 802.11™, IEEE 802.11ax™, MAC, medium access control, OFDMA, orthogonal frequency division multiple access, PHY, physical layer, wireless local area network, WLAN

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Introduction

This introduction is not part of IEEE Std 802.11ax-2021, 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—Amendment 1: Enhancements for High-Efficiency WLAN.

This amendment defines modifications to both the IEEE 802.11 physical layer (PHY) and medium access control (MAC) sublayer for high-efficiency operation in frequency bands between 1 GHz and 7.125 GHz.

Contents

Figures

Tables

IEEE Standard for Information Technology—
Telecommunications and Information Exchange between Systems
Local and Metropolitan Area Networks—
Specific Requirements

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Amendment 1: Enhancements for High-Efficiency WLAN

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1. Overview

1.4 Word usage

Change the second paragraph in 1.4 as follows:

The construction "between *x* and *y*", "*x* to *y*" or "*x*-*y*" represents an inclusive range (i.e., the range includes both values *x* and *y*). The construction "B*x*-B*y*" represents bits *x* to *y*; it is not the subtraction of bit *y* from bit *x*.