
**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**

[ISO/IEC/IEEE 8802-11:2012/Amd 3:2014](https://standards.iso.org/iso/iec/8802-11:2012/amd3:2014)

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**AMENDMENT 3: Enhancements for very
high throughput in the 60 GHz band
(adoption of IEEE Std 802.11ad-2012)**

*Technologies de l'information — Télécommunications et échange
d'information entre systèmes — Réseaux locaux et métropolitains —
Exigences spécifiques —*

*Partie 11: Spécifications du contrôle d'accès du milieu sans fil (MAC) et
de la couche physique (PHY)*

*AMENDEMENT 3: Améliorations pour un très haut débit de traitement
dans la bande de fréquence 60 GHz (adoption de la norme IEEE Std
802.11ad-2012)*



Reference number
ISO/IEC/IEEE 8802-11:2012/Amd.3:2014(E)



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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 3: Enhancements for Very High Throughput in the 60 GHz Band

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Sponsored by the
LAN/MAN Standards Committee

IEEE
3 Park Avenue
New York, NY 10016-5997
USA

28 December 2012

IEEE Std 802.11ad™-2012
(Amendment to
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as amended by IEEE Std 802.11ae™-2012
and IEEE Std 802.11aa™-2012)

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Approved 19 October 2012

IEEE-SA Standards Board

Abstract: This amendment defines modifications to both the IEEE 802.11 physical layers (PHYs) and the IEEE 802.11 medium access control layer (MAC) to enable operation in frequencies around 60 GHz and capable of very high throughput.

Keywords: 60 GHz, A-BFT, announcement transmission interval, association beamforming training time, ATI, beacon transmission interval, beamforming, BTI, CBAP, clustering, contention-based access period, directional multi-gigabit, DMG, dynamic allocation of service period, dynamic extension of service period, dynamic truncation of service period, fast session transfer, FST, GCMP, IEEE 802.11ad, millimeter-wave, multi-band operation, PBSS, PBSS control point, PCP, personal basic service set, relay operation, service period, SP, spatial sharing

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Introduction

This introduction is not part of IEEE Std 802.11ad-2012, 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 3: Enhancements for Very High Throughput in the 60 GHz Band.

This amendment defines standardized modifications to both the IEEE 802.11 physical layers (PHYs) and the IEEE 802.11 medium access control layer (MAC) to enable operation in frequencies around 60 GHz and capable of very high throughput.

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[ISO/IEC/IEEE 8802-11:2012/Amd 3:2014](https://standards.iteh.ai/catalog/standards/sist/886f8e92-908e-47fb-b239-47acaf7c2d78/iso-iec-ieee-8802-11-2012-amd-3-2014)

<https://standards.iteh.ai/catalog/standards/sist/886f8e92-908e-47fb-b239-47acaf7c2d78/iso-iec-ieee-8802-11-2012-amd-3-2014>