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**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 4:2015](https://standards.iso.org/iso-iec-ieee-8802-11-2012-amd-4-2015)

<https://standards.iteh.org/standards-by-id/iso-ieee-8802-11-c9c7-4a54-95b6-393c63008f60/iso-iec-ieee-8802-11-2012-amd-4-2015>

**AMENDMENT 4**

*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 4*



Reference number  
ISO/IEC/IEEE 8802-11:2012/Amd.4:2015(E)



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**IEEE Std 802.11ac™-2013**  
(Amendment to  
IEEE Std 802.11™-2012,  
as amended by IEEE Std 802.11ae™-2012,  
IEEE Std 802.11aa™-2012,  
and IEEE Std 802.11ad™-2012)

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**IEEE Std 802.11ac™-2013**

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Approved 11 December 2013

**IEEE-SA Standards Board**

**Abstract:** The purpose of this amendment is to improve the IEEE 802.11™ wireless local area network (WLAN) user experience by providing significantly higher basic service set (BSS) throughput for existing WLAN application areas and to enable new market segments for operation below 6 GHz including distribution of multiple multimedia/data streams.

**Keywords:** 256-QAM, beamforming, IEEE 802.11ac™, multi-user MIMO, noncontiguous frequency segments, very high throughput, wider bandwidth

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