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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 5:2015](https://standards.iso.org/iso-iec-ieee-8802-11-2012-amd-5-2015)

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**AMENDMENT 5**

*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 5*



Reference number  
ISO/IEC/IEEE 8802-11:2012/Amd.5:2015(E)



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

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Approved 11 December 2013

**IEEE-SA Standards Board**

**Abstract:** Enhancements to the IEEE 802.11 physical layers (PHYs) and medium access control (MAC) sublayer to support operation in the white spaces in television bands are defined.

**Keywords:** IEEE 802.11af™, television white spaces, TVWS, wireless LAN, WLAN

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