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STANDARD

ISO/IEC/
IEEE
8802-15-4

Second edition
2018-03

**Information technology —
Telecommunications and information
exchange between systems — Local
and metropolitan area networks —
Specific requirements —**

Part 15-4:
**Wireless medium access control
(MAC) and physical layer (PHY)
specifications for low-rate wireless
personal area networks (WPANs)**

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

*Partie 15-4: Spécifications du contrôle d'accès du milieu sans fil
(MAC) et de la couche physique (PHY) pour les réseaux personnels
sans fil de faible débit (WPAN)*



Reference number
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This second edition cancels and replaces the first edition (ISO/IEC/IEEE 8802-15-4:2010), which has been technically revised.

A list of all parts in the ISO/IEC/IEEE 8802 series can be found on the ISO website.

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IEEE Std 802.15.4™-2015

(Revision of
IEEE Std 802.15.4-2011)

IEEE Standard for Low-Rate Wireless Networks

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Abstract: The protocol and compatible interconnection for data communication devices using low-data-rate, low-power, and low-complexity short-range radio frequency (RF) transmissions in a wireless personal area network (WPAN) are defined in this standard. A variety of physical layers (PHYs) have been defined that cover a wide variety of frequency bands.

Keywords: ad hoc network, IEEE 802.15.4™, low data rate, low power, LR-WPAN, mobility, PAN, personal area network, radio frequency, RF, short range, wireless, wireless personal area network, WPAN

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