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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)**

*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.

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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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Approved 5 December 2015

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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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Many individuals have participated in the IEEE P802.15 Working Group during various stages of the standard's development. Since the initial publication, many amendments have added functionality or updated material in this standard, and now three revisions have been published. Here is a historical list of the working group participants who dedicated their valuable time, energy, and knowledge to the advancement of this standard at the time of its original publication and for its revisions. Many of these members also worked on amendments.

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