
**Information technology —
Telecommunications and information
exchange between systems — Local and
metropolitan area networks — Overview
and Architecture**

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

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CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

IEC Central Office
3, rue de Varembé
CH-1211 Geneva 20
Switzerland
E-mail inmail@iec.ch
Web www.iec.ch

Institute of Electrical and Electronics Engineers, Inc.
3 Park Avenue, New York
NY 10016-5997, USA
E-mail stds.ipr@ieee.org
Web www.ieee.org

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ISO/IEC/IEEE 8802 consists of the following parts, under the general title *Information technology — Telecommunications and information exchange between systems — Local and metropolitan area networks — Specific requirements*

- *Part 1: Overview of Local Area Network Standards*
- *Part 2: Logical link control*
- *Part 5: Token ring access method and physical layer specifications*
- *Part 11: Wireless LAN medium access control (MAC) and physical layer (PHY) specifications*
- *Part 1X: Port-based network access control*
- *Part 1AB: Station and media access control connectivity discovery*

- *Part 1AE: Media access control (MAC) security*
- *Part 1AR: Secure device identity*
- *Part 1AS: Timing and synchronization for time-sensitive applications in bridged local area networks*
- *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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802[®]

IEEE Standard for Local and Metropolitan Area Networks: Overview and Architecture

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IEEE Computer Society

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IEEE Std 802[®]-2014
(Revision to
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(Revision of
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IEEE Standard for Local and Metropolitan Area Networks: Overview and Architecture

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**LAN/MAN Standards Committee
of the
IEEE Computer Society**

Approved 12 June 2014

IEEE-SA Standards Board

Abstract: This standard provides an overview to the family of IEEE 802[®] standards. It describes the reference models for the IEEE 802 standards and explains the relationship of these standards to the higher layer protocols; it provides a standard for the structure of IEEE 802 MAC addresses; it provides a standard for identification of public, private, prototype, and standard protocols; it specifies an object identifier hierarchy used within IEEE 802 for uniform allocation of object identifiers used in IEEE 802 standards; and it specifies a method for higher layer protocol identification.

Keywords: BANs, body area networks, EtherTypes, IEEE 802[®], IEEE 802 architecture, IEEE 802 reference model, LANs, local area networks, MANs, metropolitan area networks, object identifiers, PANs, personal area networks, RANs, regional area networks, protocol development, protocol types

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Patricia Thaler
Jeremy Touve
Albert Tretter
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Peter Anslow
Arthur Astrin
David Bagby
Subir Das
James P. K. Gilb
Robert Grow
Marek Hajduczenia
Tony Jeffree
Patrick Kinney

Bruce Kraemer
Marek Hajduczenia
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David J. Law
Roger B. Marks
Apurva Mody
Paul Nikolich

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