



**International
Standard**

**ISO/IEC/IEEE
8802-A**

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

**Part A:
Overview and architecture**

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

Partie A: Présentation et architecture

**Second edition
2026-08**

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This second edition cancels and replaces the first edition (ISO/IEC/IEEE 8802-A:2015), which has been technically revised. It also revises the Amendments ISO/IEC/IEEE 8802-A:2015/Amd 1:2018, ISO/IEC/IEEE 8802-A:2015/Amd 2:2019, ISO/IEC/IEEE 8802-A:2015/Amd 3:2025.

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IEEE Std 802®-2024

(Revision of IEEE Std 802-2014 as amended by
IEEE Std 802d™-2017, IEEE Std 802c™-2017,
and IEEE Std 802f™-2023)

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

Developed by the

LAN/MAN Standards Committee

of the

IEEE Computer Society

Approved 11 December 2024

IEEE SA Standards Board

Abstract: An overview to the family of IEEE 802[®] standards is provided in this standard. It describes the reference models for the IEEE 802 standards and explains the relationship of these standards to the higher layer protocols; it specifies the structure of IEEE 802 MAC addresses; it specifies 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 identifiers, protocol types

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When the IEEE Std 802-2001 was approved on 6 December 2001, the IEEE 802.1 Working Group had the following officers:

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