

Australian/New Zealand Standard™

**Information processing systems—
Local area networks**

**Part 3: Carrier sense multiple access
with collision detection access method
and physical layer specifications**

[ISO/IEC title: Information technology—Telecommunications and information exchange between systems—Local and metropolitan area networks—Specific requirements, Part 3: Carrier sense multiple access with collision detection (CSMA/CD) access method and physical layer specifications]

AS/NZS 4802.3:1999

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Part 3: Carrier sense multiple access with collision detection access method and physical layer specifications

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee IT/1, Information Systems—Interconnection, to supersede AS/NZS 4802.3:1994. This Standard is identical with and has been reproduced from ISO/IEC 8802-3:1996, *Information technology—Telecommunications and information exchange between systems—Local and metropolitan area networks—Specific requirements, Part 3: Carrier sense multiple access with collision detection (CSMA/CD) access method and physical layer specifications*.

The objective of this Standard is to provide designers of local area networks with a specification employing CSMA/CD as the access method which encompasses several media types and techniques for signal rates from 1 Mb/s to 20 Mb/s, and provides the necessary specification and related parameter values for 10 Mb/s and 1 Mb/s baseband implementations. Specifications for 10BASE-T, 10BASE-FP, 10BASE-FB and layer management are also included.

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60060 High-voltage test techniques	—
60068 Basic environmental testing procedures	—
60096 Radio-frequency cables	—
60096-1 Part 1: General requirements and measuring methods and Amendment No. 2 (1993)	—
60169 Radio-frequency connectors	—
60169-8 Part 8: Radio-frequency coaxial connectors with inner diameter of outer conductor 6.5 mm (0.256 in) with bayonet lock—Characteristic impedance 50 ohms (Type BNC)	—
60169-16 Part 16: Radio-frequency coaxial connectors with inner diameter of outer conductor 7 mm (0.276 in) with screw coupling—Characteristic impedance 50 ohms (75 ohms) (Type N)	—

IEC		AS/NZS	
60380	Safety of electrically energized office machines	—	
60435	Safety of data processing equipment	—	
60793	Optical fibres	—	
60793-1	Part 1: Generic specification	—	
60793-2	Part 2: Product specifications	—	
60794	Optical fibre cables	—	
60794-1	Part 1: Generic specification	—	
60794-2	Part 2: Product specifications	—	
60807	Rectangular connectors for frequencies below 3 MHz	—	
60807-2	Part 2: Detail specification for a range of connectors with assessed quality, with trapezoidal shaped metal shells and round contacts—Fixed solder contact types	—	
60825	Safety of laser products	2211	Laser safety
60825-1	Part 1: Equipment classification, requirements and user's guide	2211.1	Part 1: Equipment classification, requirements and user's guide
60874	Connectors for optical fibres and cables	—	
60874-1	Part 1: Generic specification	—	
60874-2	Part 2: Sectional specification for fibre optic connector type F-SMA	—	
60874-10	Part 10: Sectional specification, Fibre optic connector type BFOC/2,5	—	
60950	Safety of Information Technology Equipment, Including Electrical Business Equipment	3260	Approval and test specification—Safety of information technology equipment including electrical business equipment (Incorporating Amendments 1, 2 and 3)
IEEE			
802	IEEE Standards for Local and Metropolitan Area Networks: Overview and Architecture (ANSI)	—	
802-1F	Part 1F: Common Definitions and Procedures for IEEE 802 Management Information (ANSI)	—	
ISO		AS	
2382	Data processing—Vocabulary	1189	Data processing—Vocabulary
2382-9	Part 9: Data communication	1189.9	Part 9: Data communication
ISO/IEC		AS/NZS	
7498	Information technology—Open Systems Interconnection—Basic Reference Model	2777	Information processing systems—Open Systems Interconnection—Basic reference model
7498-1	Part 1: The Basic Model	2777.1	Part 1: The basic model

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