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(in part)*



AS 4802.3 Supplement 1—1991

Information processing systems— Local area networks

**Part 3: Carrier sense multiple
access with collision detection
(CSMA/CD) access method and
physical layer specifications—
Multisegment 10 Mb/s baseband
networks: Twisted-pair Medium
Attachment Unit and medium,
type 10BASE-T**

(Supplement to AS 4802.3—1991)

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PREFACE

This Standard was prepared by the Standards Australia Committee on Information Systems—Interconnection. It is identical with and has been reproduced from IEEE 802.3—1990, *System Considerations for Multisegment 10 Mb/s Baseband Networks (Section 13): Twisted-Pair Medium Attachment Unit (MAU) and Baseband Medium, Type 10BASE-T (Section 14)*.

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- (i) *References* The references to International Standards should be replaced by references to Australian Standards as follows:

<i>Reference to International Standard</i>		<i>Australian Standard</i>	
ISO			
8802	Information processing systems— Local area networks	4802	Information processing systems— Local area networks
8802-3	Part 3: Carrier sense multiple access with collision detection (CSMA/CD) access method and physical layer specifications	4802.3	Part 3: Carrier sense multiple access with collision detection (CSMA/CD) access method and physical layer specifications
8877	Information processing systems— Interface connector and contact assignments for ISDN basic access interface located at reference points S and T	3594	Information processing systems— Interface connector and contact assignments for ISDN basic access interface located at reference points S and T

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(Supplement to AS 4802.3—1991)

Revisions to ISO/IEC 8802-3:1990 [ANSI/IEEE Std 802.3-1990 Edition]

(These changes and additions are part of IEEE Std 802.3i-1990.)

The following changes add references to 10BASE-T and specifications for 10BASE-T to the appropriate places in ISO/IEC 8802-3:1990 [ANSI/IEEE Std 802.3-1990 Edition]. The changes do not alter the specifications for existing systems.

1.3 References

Add this reference to list of references:

[16] ISO 8877:1987, Information processing systems—Interface connector and contact assignments for ISDN basic access interface located at reference points S and T.

4.4.2.1 Parameterized Values

In first sentence, delete "(type 10BASE5)".

8.6.1 Transmission System Model

Replace current item (2) with the following:

"(2) A point-to-point link constitutes a link segment. A link segment may contain a maximum end-to-end propagation delay of 2570 ns."

9.1 Overview

In the first sentence, change "10BASE5 and 10BASE2" to "10BASE5, 10BASE2, and 10BASE-T".

Change the second paragraph to read as follows:

"A repeater set connects segments of network medium together, thus allowing larger topologies and a larger MAU base than are allowed by rules governing individual segments (that is, for 10BASE5, 500 m and 100 stations; for 10BASE2, 185 m and 30 stations; for 10BASE-T, nominal 100 m link segment)."

At the end of the third paragraph, replace "IRLs" with "link segments".