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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—
Multi-segment 10 Mb/s baseband
networks: Twisted-pair Medium
Attachment Unit and medium,
Type 10BASE-T**

(Supplement to AS 4802.3—1991)

This Australian Standard was prepared by Committee IT/1, Information Systems—Interconnection. It was approved on behalf of the Council of Standards Australia on 26 September 1991 and published on 15 November 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	8894 Information processing systems— Interface connector and contact assignments for ISDN basic access interface located at reference points S and T

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CONTENTS

SECTION	PAGE
Revisions to ISO/IEC 8802-3:1990 [ANSI/IEEE Std 802.3-1990 Edition]	5
13. System Considerations for Multisegment 10 Mb/s Baseband Networks	8
13.1 Overview	8
13.2 Definitions	8
13.3 Transmission System Model	8
14. Twisted-Pair Medium Attachment Unit (MAU) and Baseband Medium, Type 10BASE-T	13
14.1 Scope	13
14.1.1 Overview	13
14.1.2 Definitions	13
14.1.3 Application Perspective	15
14.1.4 Relationship to PLS and AUI	16
14.2 MAU Functional Specifications	16
14.2.1 MAU Functions	17
14.2.2 PMA Interface Messages	19
14.2.3 MAU State Diagrams	20
14.3 MAU Electrical Specifications	25
14.3.1 MAU-to-MDI Interface Characteristics	25
14.3.2 MAU-to-AUI Specification	32
14.4 Characteristics of the Simplex Link Segment	36
14.4.1 Overview	36
14.4.2 Transmission Parameters	36
14.4.3 Coupling Parameter	37
14.4.4 Noise Environment	37
14.5 MDI Specification	38
14.5.1 MDI Connectors	38
14.5.2 Crossover Function	38
14.6 System Considerations	38
14.7 Environmental Specifications	39
14.7.1 General Safety	39
14.7.2 Network Safety	39
14.7.3 Environment	41
14.8 MAU Labeling	41
14.9 Timing Summary	41

FIGURES

Fig 13-1	Maximum Transmission Path with Three Coax Segments	10
Fig 13-2	Example of Maximum Transmission Path Using Coax Segments, 10BASE-T Link Segments, and Fiber Optic Link Segments	11
Fig 13-3	Example of Maximum Transmission Path with Three Repeater Sets, Four Link Segments (Two are 100 m 10BASE-T and Two are 1 km Fiber)	12
Fig 14-1	10BASE-T Relationship to OSI and CSMA/CD LAN	14
Fig 14-2	Twisted-Pair Link	15
Fig 14-3	MAU Transmit, Receive, Loopback, and Collision Presence Functions State Diagram	20
Fig 14-4	<i>signal_quality_error</i> Message Test Function State Diagram	21
Fig 14-5	Jabber Function State Diagram	22
Fig 14-6	Link Integrity Test Function State Diagram	23
Fig 14-7	Twisted-Pair Model	26
Fig 14-8	Differential Output Voltage Test	27

FIGURES	PAGE
Fig 14-9 Voltage Template	27
Fig 14-10 Transmitter Waveform for Start of TP_IDL	29
Fig 14-11 Start-of-TP_IDL Test Load	29
Fig 14-12 Transmitter Waveform for Link Test Pulse.....	30
Fig 14-13 Transmitter Impedance Balance and Common-Mode Rejection Test Circuit	32
Fig 14-14 Common-Mode Output Voltage Test Circuit	33
Fig 14-15 Transmitter Fault Tolerance Test Circuit.....	33
Fig 14-16 Receiver Differential Input Voltage—Narrow Pulse.....	34
Fig 14-17 Receiver Differential Input Voltage—Wide Pulse.....	34
Fig 14-18 Receiver Common-Mode Rejection Test Circuit.....	35
Fig 14-19 Common-Mode Impulse Test Circuit	35
Fig 14-20 MAU MDI Connector	35
Fig 14-21 Twisted-Pair Link Segment Connector.....	35
Fig 14-22 Crossover Function (a) External Crossover Function (b) MAU-embedded Crossover Function	40

TABLES

Table 14-1 Voltage Template Values for Fig 14-9	28
Table 14-2 Maximum Timing Parameters.....	42

APPENDIX

A System Guidelines	
A4. 10BASE-T	43
A4.1 System Jitter Budget.....	43
A4.2 Filter Characteristics	43
A4.3 Notes for Conformance Testing	43

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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 IEC 8802.3i-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 SDN 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."

9.2 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".