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Identical with & reproduced from ISO 4902-1980)

AS 3612—1989
ISO 4902-1980

Australian Standard®

Data communication -

37-pin and 9-pin DTE/DCE interface connectors and pin assignments

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STANDARDS AUSTRALIA

This Australian Standard was prepared by Committee IS/1, Information Processing Systems. It was approved on behalf of the Council of Standards Australia on 7 February 1989 and published on 13 March 1989.

The following interests are represented on Committee IS/1:

Australian Association of Permanent Building Societies

Australia Bankers' Association

Australian Bureau of Statistics

Australian Computer Equipment Manufacturers Association

Australian Computer Society

Australian Computer Users Association

Australian Computing Services Association

CSIRO

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Life Insurance Federation of Australia

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Telecom Australia

Universities and colleges

Additional interests participating in preparation of Standard:

Computer consultants

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PREFACE

This Standard was prepared by Standards Australia's Committee on Information Processing Systems. It is identical with and has been reproduced from International Standard ISO 4902-1980.

This Standard specifies the 37-pin and 9-pin connectors and the assignment of connector pin numbers at the interface between data terminal equipment (DTE) and data circuit-terminating equipment (DCE) where CCITT Recommendation V.24 together with Recommendations V.10 and V.11 are applicable. Use of the 9-pin connector only applies when a backward channel capability is implemented in an interface.

The Standard is one of a series of Open Systems Interconnection (OSI) Standards which are currently under development. Since OSI Standards are developmental, there may be some minor difficulties encountered in their implementation. For this reason, Standards Australia will be providing a limited interpretation service to coordinate and disseminate information concerning difficulties which are identified in using this Standard.

For the purpose of this Australian Standard, the text of the ISO Standard given herein should be modified as follows:

(a) *Terminology.* The words 'Australian Standard' should replace the words 'International Standard' wherever they appear.

(b) *References.* The references to international Standards should be replaced by references to Australian Standards as follows:

Reference to International Standard ISO		*Australian Standard* AS	
2110	Data communication—25-pin DTE/DCE interface connector and pin assignments	2748	Data communication—25-pin DTE/DCE interface connector and pin assignments
4903	Data communication—15-pin DTE/DCE interface connector and pin assignments	3613	Data communication—15—pin DTE/DCE interface connector and pin assignments
CCITT Recommendation V.23, 600/1 200-baud modem standardized for use in the general switched telephone network		—	
CCITT Recommendation V.24 List of definitions for interchange circuits between data terminal equipment (DTE) and data circuit-terminating equipment (DCE)		—	
CCITT Recommendation V.26, 2 400 bits per second modem standardized for use on 4-wire leased telephone-type circuits		—	
CCITT Recommendation V.26 bis, 2 400/1 200 bits per second modem standardized for use in the general switched telephone network		—	
CCITT Recommendation V.27, 4 800 bits per second modem with manual equalizer standardized for use on lease telephone-type circuits		—	
CCITT Recommendation V.27 bis, 4 800 bits per second modem with automatic equalizer standardized for use on leased telephone-type circuits		—	
CCITT Recommendation V.27 ter, 4 800/2—400 bits per second modem standardized for use in the general switched telephone network		—	

CCITT Recommendation V.28, Electrical characteristics for unbalanced double-current interchange circuits	—
CCITT Recommendation V.29, 9 600 bits per second modem standardized for use on leased telephone-type circuits	—
CCITT Recommendation V.36, Modems for synchronous data transmission using (60-108 kHz) group band circuits	—
CCITT Recommendation V.10 (or X.26), Electrical characteristics for unbalanced double-current interchange circuits for general use with integrated circuit equipment in the field of data communications	—
CCITT Recommendation V.11 (or X.27), Electrical characteristics for balanced double-current interchange circuits for general use with integrated circuit equipment in the field of data communications	—
CCITT Recommendation V.21, 200-baud modem standardized for use in the general telephone network	—

Data communication—37-pin and 9-pin DTE/DCE interface connectors and pin assignments

1 Scope and field of application

This International Standard specifies the 37-pin and 9-pin connectors and the assignment of connector pin numbers at the interface between data terminal equipment (DTE) and data circuit-terminating equipment (DCE) where CCITT[1] Recommendation V.24 together with Recommendations V.10 and V.11 are applicable. Use of the 9-pin connector only applies when a backward channel capability is implemented in an interface.

2 References

ISO 2110, *Data communication — 25-pin DTE/DCE interface connector and pin assignments.*

ISO 4903, *Data communication — 15-pin DTE/DCE interface connector and pin assignments.*

CCITT Recommendation V.10 (or X.26), *Electrical characteristics for unbalanced double-current interchange circuits for general use with integrated circuit equipment in the field of data communications.*

CCITT Recommendation V.11 (or X.27), *Electrical characteristics for balanced double-current interchange circuits for general use with integrated circuit equipment in the field of data communications.*

CCITT Recommendation V.21, *200-baud modem standardized for use in the general switched telephone network.*

CCITT Recommendation V.23, *600/1 200-baud modem standardized for use in the general switched telephone network.*

CCITT Recommendation V.24, *List of definitions for interchange circuits between data terminal equipment (DTE) and data circuit-terminating equipment (DCE).*

CCITT Recommendation V.26, *2 400 bits per second modem standardized for use on 4-wire leased telephone-type circuits.*

CCITT Recommendation V.26 bis, *2 400/1 200 bits per second modem standardized for use in the general switched telephone network.*

CCITT Recommendation V.27, *4 800 bits per second modem with manual equalizer standardized for use on leased telephone-type circuits.*

CCITT Recommendation V.27 bis, *4 800 bits per second modem with automatic equalizer standardized for use on leased telephone-type circuits.*

CCITT Recommendation V.27 ter, *4 800/2 400 bits per second modem standardized for use in the general switched telephone network.*

CCITT Recommendation V.28, *Electrical characteristics for unbalanced double-current interchange circuits.*

CCITT Recommendation V.29, *9 600 bits per second modem standardized for use on leased telephone-type circuits.*

CCITT Recommendation V.36, *Modems for synchronous data transmission using* (60 — 108 kHz) *group band circuits.*

1) International Telegraph and Telephone Consultative Committee.