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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



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Data communication—

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

First published as AS 3612—1989.

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:

| <i>Reference to International Standard</i> | <i>Australian Standard</i> |
|--|--|
| ISO | 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 | — |

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| 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 | — |

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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 CCITT¹⁾ 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.