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Australian Standard®
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DATA COMMUNICATION—
25-PIN DTE/DCE INTERFACE CONNECTOR AND PIN ASSIGNMENTS

STANDARDS ASSOCIATION OF AUSTRALIA
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This Australian standard was prepared by Committee IS/1, Information Processing Systems. It was approved on behalf of the Council of the Standards Association of Australia on 25 September 1984 and published on 31 January 1985.

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AUSTRALIAN STANDARD

DATA COMMUNICATION— 25-PIN DTE/DCE INTERFACE CONNECTOR AND PIN ASSIGNMENTS

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PREFACE

This standard was prepared by the Association's Committee on Information Processing Systems to supersede AS 1484, Digital Data Transmission, Part 4—1973, Connector Pin Numbers for Information Interchange Circuits. It is identical with and has been reproduced from International Standard ISO 2110—1980, drawn up by ISO/TC 97, Information Processing Systems.

The purpose of this standard is to specify the 25-pin connector and the assignment of connector pin numbers at the interface between data terminal equipment (DTE) and data circuit-terminating equipment (DCE) or automatic calling equipment (ACE). It is applicable to voice band modems, public data network (PDN) facilities, telegraph signal converters, and automatic calling equipment where CCITT Recommendations V.24 and V.28 are applicable.

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

Terminology: The words 'Australian standard' should replace the words 'International Standard' wherever they appear.

Data communication — 25-pin DTE/DCE interface connector and pin assignments

1 Scope and field of application

This International Standard specifies the 25-pin connector and the assignment of connector pin numbers at the interface between data terminal equipment (DTE) and data circuit-terminating equipment (DCE) or automatic calling equipment (ACE). It is applicable to voice band modems, public data network (PND) facilities, telegraph signal converters, and automatic calling equipment where CCITT[1] Recommendations V.24 and V.28 are applicable.

In the case of the PDN attachment through the X.20 interface, the functions of the interchange circuits are in accordance with CCITT Recommendation X.24.

In the case of the V.20 type outstation interface, the electrical characteristics are in accordance with CCITT Recommendation V.31.

2 References

ISO 4902, *Data communication — 37-pin and 9-pin DTE/DCE interface connectors and pin assignments.*

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

CCITT Recommendation S.16, *Automatic calling and/or answering on the telex network.*

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 communication.*

CCITT Recommendation V.19, *Modems for parallel data transmission using telephone signalling frequencies.*

CCITT Recommendation V.20, *Parallel data transmission modems standardized for universal use in the general switched telephone network*

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.25, *Automatic calling and/or answering equipment on the general switched telephone network, including disabling of echo suppressors on manually established calls.*

CCITT Recommendation V26, 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.31, *Electrical characteristics for single-current interchange circuits controlled by contact closure.*

CCITT Recommendation X.20, *Interface between data terminal equipment (DTE) and data circuit-terminating equipment (DCE) for start-stop transmission services on public data networks (PDN).*

1) International Telegraph and Telephone Consultative Committee.