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Information technology — Telecommunications and information exchange between systems — 34-pole DTE/DCE interface connector mateability dimensions and contact number assignments

Technologies de l'information — Télécommunications et échange d'information entre systèmes — Dimensions de branchement du connecteur d'interface ETTD/ETCD à 34 pôles et affectation des numéros de contact

Reference number
ISO/IEC 2593:2000(E)

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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

International Standard ISO/IEC 2593 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 6, *Telecommunications and information exchange between systems*.

This fourth edition cancels and replaces the third edition (ISO 2593:1993), of which it constitutes a minor revision.

Annex A forms a normative part of this International Standard.

Information technology — Telecommunications and information exchange between systems — 34-pole DTE/DCE interface connector mateability dimensions and contact number assignments

1 Scope

This International Standard specifies the 34-pole connector and the assignment of contact numbers at the interface between data terminal equipment (DTE) and data circuit-terminating equipment (DCE) where ITU-T Recommendation V.36 or Recommendation X.21bis together with Recommendation V.10 and V.11 are applicable.

NOTE 1 An interoperation between interfaces designed according to electrical characteristics specified in ITU-T Recommendation V.36 and those specified in ITU-T Recommendation V.11 is, at least to a limited degree, possible. This can be achieved, for example, by using a passive adaptor which joins the interface connectors in accordance with ISO/IEC 2593 and ISO 4902, or ISO 4903, respectively.

This International Standard specifies the dimensions of the connector housing and gives recommendations for the type of locking device (jack-screw system) and connector shielding.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 261:1998, *ISO general-purpose metric screw threads — General plan.*

ISO 4902:1989, *Information technology — Data communication — 37-pole DTE/DCE interface connector and contact number assignments.*

ISO 4903 : 1989, *Information technology — Data communication — 15-pole DTE/DCE interface connector and contact number assignments*.

ITU-T Recommendation V.10 : 1993, *Electrical characteristics for unbalanced double-current interchange circuits operating at data signalling rates nominally up to 100 kbit/s.*

ITU-T Recommendation V.11 : 1996, *Electrical characteristics for balanced double-current interchange circuits operating at data signalling rates up to 10 Mbit/s.*

ITU-T Recommendation X.21 : 1992, *Interface between Data Terminal Equipment and Data Circuit-terminating Equipment for synchronous operation on public data networks.*

ITU-T Recommendation X.21 *bis* : 1988, *Use on public data networks of Data Terminal Equipment (DTE) which is designed for interfacing to synchronous V-Series modems*.

ITU-T Recommendation V.28 : 1993, *Electrical characteristics for unbalanced double-current interchange circuits.*

ITU-T Recommendation V.36:1988*, Modems for synchronous data transmission using 60-108 kHz group band circuits*.

IEC 60050(581):1978, *International Electrotechnical Vocabulary – Chapter 581: Electromechanical components for electronic equipment.*

IEC 60807-6:1988, *Rectangular connectors for frequencies below 3 MHz – Part 6: Detail specification for a range of connectors with size 20 (7.5A) round contacts having polarized guides – Fixed solder contact type*.