

# INTERNATIONAL STANDARD

# ISO 4903

Second edition  
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## **Information technology — Data communication — 15-pole DTE/DCE interface connector and contact number assignments**

*Technologies de l'information — Communication de données — Connecteur  
d'interface ETTD/ETCD à 15 pôles et affectation des numéros de contact*



Reference number  
ISO 4903 : 1989 (E)

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 4903 was prepared by Technical Committee ISO/TC 97, *Information processing systems*.

This second edition cancels and replaces the first edition (ISO 4903 : 1980), of which it constitutes a minor revision; certain terms have been aligned with the terms and definitions used by IEC.

# Information technology — Data communication — 15-pole DTE/DCE interface connector and contact number assignments

## 1 Scope

This International Standard specifies the 15-pole connector and the assignment of contact numbers at the interface between data terminal equipment (DTE) and data circuit-terminating equipment (DCE) where CCITT<sup>1)</sup> Recommendations X.24, X.26, and X.27 are applicable.

International Standard ISO/IEC 4903 additionally provides the dimensions of the connector housing, as well as the recommended means of providing a locking device (latching block) and connector shielding.

## 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 261 : 1973, *ISO general purpose metric screw threads — General plan*.

ISO 2110 : 1989, *Information technology — Data communication — 25-pole DTE/DCE interface connector and contact number assignments*.

CCITT Recommendation V.28 : 1989, *Electrical characteristics for unbalanced double-current interchange circuits*.

CCITT Recommendation X.20 : 1989, *Interface between data terminal equipment (DTE) and data circuit-terminating equipment (DCE) for start-stop transmission services on public data networks*.

CCITT Recommendation X.21 : 1989, *Interface between data terminal equipment (DTE) and data circuit-terminating equipment (DCE) for synchronous operation on public data networks*.

CCITT Recommendation X.22 : 1989, *Multiplex DTE/DCE interface for user classes 3-6*.

CCITT Recommendation X.24 : 1989, *List of definitions for interchange circuits between data terminal equipment (DTE) and data circuit-terminating equipment (DCE) on public data network*.

CCITT Recommendation X.26 (or V.10) : 1989, *Electrical characteristics for unbalanced double-current interchange circuits for general use with integrated circuit equipment in the field of data communications*.

CCITT Recommendation X.27 (or V.11) : 1989, *Electrical characteristics for balanced double-current interchange circuits for general use with integrated circuit equipment in the field of data communications*.

IEC Publication 50(581) : 1978, *International Electrotechnical Vocabulary — Chapter 581 : Electromechanical components for electronic equipment*.

IEC Publication 807-2 : 1985, *Rectangular connectors for frequencies below 3 MHz — Part 2: Detail specification for a range of connectors with round contacts — Fixed solder contact types*.

## 3 Definitions

The following definitions have been taken from IEC Publication 50(581) : 1978.

**3.1 cable adaptor:** A part of a connector or an accessory consisting of a rigid housing for attachment to the connector body. It may incorporate provision for a cable clamp or seal for terminating screens and provide shielding from electrical interference. It may be straight or angled.

**3.2 connector housing:** A part of a connector into which the insert and contacts are assembled.

**3.3 contact arrangement:** The number, spacing and configuration of contacts in a component.

1) International Telegraph and Telephone Consultative Committee.