

# INTERNATIONAL STANDARD

**ISO/IEC**  
**8877**

Second edition  
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## **Information technology — Telecommunications and information exchange between systems — Interface connector and contact assignments for ISDN Basic Access Interface located at reference points S and T**

*Technologies de l'information — Télécommunications et échange  
d'informations entre systèmes — Connecteur d'interface et affectation  
des contacts pour l'interface d'accès de base au RNIS située aux points  
de référence S et T*



Reference number  
ISO/IEC 8877:1992(E)

## 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.

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.

International Standard ISO/IEC 8877 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*.

This second edition cancels and replaces the first edition ISO 8877:1987 and ISO 8877:Amd.1:1991.

Annexes A, B, C and D of this International Standard are for information only.

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# Information technology — Telecommunications and information exchange between systems — Interface connector and contact assignments for ISDN Basic Access Interface located at reference points S and T

## 1 Scope

This International Standard specifies the 8-pole connector (plug and jack) and the assignments of poles/contacts for use in physical interfaces of Integrated Services Digital Network (ISDN) basic access arrangements. These physical interfaces may be located at reference points S and T between TEs and NTs and between NT1s and NT2s and shall conform to CCITT Recommendation I.430.

This International Standard also specifies the requirements for ISDN basic access cords for use with TEs that conform with Recommendation I.430, where the specification of the TE calls for the use of such a cord.

CCITT Recommendation I.430 requires plugs and jacks on equipment connecting cords and interface cables as shown in figure 2/I.430 of that Recommendation (also see annex A).

For the purpose of this International Standard, when viewed from an NT1, an NT2 may be considered to be a TE.

NOTE – This International Standard specifies connector dimensions but only those to ensure mateability of the plug and jack. Complete detailed specifications of the plugs and jacks and all other dimensions are specified in IEC 603-7 (see annex D)

## 2 Normative references

The following International Standards and CCITT Recommendations contain certain provisions that, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All International Standards and CCITT Recommendations 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/Recommendations indicated below. Members of international standards bodies maintain registers of currently valid International Standards and CCITT Recommendations.

CCITT Recommendation I.411:1988, *ISDN user – network interface – Reference configurations*

CCITT Recommendation I.420:1988, *Basic user–network interface*

CCITT Recommendation I.430 :1988, *Basic user–network interface –Layer 1 specification*

NOTE – Section 8.9 of the above Recommendation is reproduced for information as annex C to this International Standard.