INTERNATIONAL STANDARD ISO 2110

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Data communication – Data terminal and data communication equipment – Interchange circuits – Assignment of connector pin numbers

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FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up 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.

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.

International Standard ISO 2110 was drawn up by Technical Committee ISO/TC 97, *Computers and information processing.*

It was approved in June 1971 by the Member Bodies of the following countries:

Belgium	Germany	South Africa, Rep. of
Brazil	Greece	Sweden
Canada	Italy	Switzerland
Czechoslovakia	Japan	Thailand
Denmark	Netherlands	United Kingdom
Egypt, Arab Rep. of	New Zealand	U.S.A.
France	Portugal	U.S.S.R.

No Member Body expressed disapproval of the document.

Printed in Switzerland

Data communication – Data terminal and data communication equipment – Interchange circuits – Assignment of connector pin numbers

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the assignment of connector pin numbers at the interface between data terminal equipment and data communication equipment either modems or automatic calling equipment where CCITT - V 24 is applicable.

2 REFERENCES

CCITT Recommendation V 24, *Function and electrical characteristics of circuits at the interface between data terminal equipment and data communication equipment.*

CCITT Recommendation V 21, *200 baud modem standardized for use in the general switched telephone network.*

CCITT Recommendation V 23, *600 and 1200 baud modem standardized for use in the general switched telephone network.*

CCITT Recommendation V 26, *2400 bit/second modem for use on 4-wire based point-to-point circuits.*

CCITT Recommendation V 25, *Automatic calling and/or answering equipment of the general switched telephone network.*

CCITT Recommendation V 11, *Automatic calling and/or answering on the telex network.*

3 COMPLIANCE WITH THIS INTERNATIONAL STANDARD

Existing operational installations need not comply.

For new installations consisting of both new and old equipment, incompatibilities shall be resolved by modifying that equipment which does not comply with this International Standard by strapping arrangements or other suitable means.

All new equipment should comply with this International Standard within 12 months of its publication.

4 CONNECTOR

Although the connector still remains to be the subject of a Recommendation by Technical Committee 48 of the International Electrotechnical Commission (IEC), it is generally accepted to be a 25 pin connector with separate connectors provided for the data communication equipment (or telex service) and for the automatic calling equipment interfaces. The male connector (plug) is associated with the data terminal equipment and the female connector (socket) is associated with the data communication equipment.

5 ASSIGNMENT OF PIN NUMBERS

Pin assignment is given in Table 1 and is recommended for the following equipments:

A. Modem complying with CCITT - V 21
B. Modem complying with CCITT - V 23
C. Modem complying with CCITT - V 26
D. Future data communication equipment
E. Telex
F. Other telegraph services
L. Automatic calling over telephone networks complying with CCITT - V 25
M. Automatic calling over telex networks complying with CCITT - V 11

The descriptions of the interchange circuits are given in Table 2 for reference.