

---

# International Standard



# 1177

---

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

---

## Information processing — Character structure for start/stop and synchronous character oriented transmission

*Traitement de l'information — Structure des caractères pour la transmission arithmique et synchrone orientée caractère*

Second edition — 1985-08-15

---

UDC 681.327.8 : 681.3.04

Ref. No. ISO 1177-1985 (E)

**Descriptors** : data processing, international interchange, data transmission, parity bit, character set, ISO seven-bit codes, synchronous transmission.

Price based on 2 pages

## 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.

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 1177 was prepared by Technical Committee ISO/TC 97, *Information processing systems*.

ISO 1177 was first published in 1973. This second edition cancels and replaces the first edition, of which it constitutes a technical revision.

# Information processing — Character structure for start/stop and synchronous character oriented transmission

## 1 Scope and field of application

This International Standard specifies the character structure to be used for serial-by-bit start/stop and synchronous data transmission systems using the 7-bit coded character set which is the subject of ISO 646<sup>1)</sup>, the 8-bit coded character set which is the subject of ISO 4873 and extensions to these coded character sets which are the subject of ISO 2022.

It also specifies the parity sense to be used with the 7-bit coded character set.

It applies to the information transfer through the interface standardized by CCITT and IEC/ISO between the data terminal equipment, DTE, and data circuit-terminating equipment, DCE, as defined in the relevant CCITT V and X series Recommendations.

## 2 References

ISO 646, *Information processing — ISO 7-bit coded character set for information interchange.*

ISO 2022, *Information processing — ISO 7-bit and 8-bit coded character sets — Code extension techniques.*<sup>2)</sup>

ISO 2047, *Information processing — Graphical representations for the control characters of the 7-bit coded character set.*

ISO 4873, *Information processing — 8-bit code for information interchange — Structure and rules for implementation.*<sup>3)</sup>

1) This character set is also standardized by CCITT : International Alphabet No. 5, Recommendation V 3.

2) At present at the stage of draft. (Revision of ISO 2022-1982.)

3) At present at the stage of draft.