

International Standard



4057

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

**Information processing — Data interchange on 6,30 mm (0.25 in) magnetic tape cartridge, 63 bpm (1 600 bpi) phase-encoded**

*Traitement de l'information — Cassette de bande magnétique de 6,30 mm (0,25 in) pour l'échange d'information par codage de phase à 63 bpm (1 600 bpi)*

**Second edition — 1986-07-15**

Withdrawn

**UDC 681.327.64**

**Ref. No. ISO 4057-1986 (E)**

**Descriptors :** data processing, information interchange, magnetic tapes, 6,3 mm magnetic tapes, cassettes for magnetic tapes, equipment specifications, dimensions, testing conditions, operating requirements, recording characteristics, equipment protection, files.

## 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 4057 was prepared by Technical Committee ISO/TC 97, *Information processing systems*.

ISO 4057 was first published in 1979. This second edition cancels and replaces the first edition, of which it constitutes a minor revision.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

## Contents

	Page
<b>1</b> Scope and field of application .....	1
<b>2</b> References .....	1
<b>3</b> Definitions .....	1
<b>4</b> Environment and transportation .....	2
<b>5</b> Characteristics of the tape .....	3
<b>6</b> Characteristics of the cartridge .....	4
<b>7</b> Recording .....	6
<b>8</b> Format .....	7
<b>Annexes</b>	
<b>A</b> Measurement of light transmittance .....	30
<b>B</b> Layer-to-layer adhesion .....	33
<b>C</b> Tape tension .....	34

Withdrawn

This page intentionally left blank

# Information processing — Data interchange on 6,30 mm (0.25 in) magnetic tape cartridge, 63 bpm<sup>1</sup> (1 600 bpi) phase-encoded

## 1 Scope and field of application

This International Standard specifies the characteristics of a 6,30 mm (0.25 in) magnetic tape cartridge intended for data interchange and physical interchangeability between information processing systems utilizing the ISO 7-bit coded character set (ISO 646), its extensions (ISO 2022) and/or the 8-bit coded character set (ISO 4873).

ISO 2022, *Information processing — ISO 7-bit and 8-bit coded character sets — Code extension techniques.*

ISO 4873, *Information processing — 8-bit code for information interchange — Structure and rules for implementation.*

The cartridge is of the twin-hub coplanar type, loaded with a 6,30 mm (0.25 in) magnetic tape for digital recording using the 63 bpm<sup>1</sup> (1 600 bpi<sup>2</sup>) phase-encoding method. The tape is transported between hubs by an internal belt capstan to the external drive. No tape driving or position sensing elements penetrate the cartridge. The direction of magnetization is in the longitudinal direction of the tape.

This International Standard applies to cartridges used for data interchange. Where it applies for testing only, this is specifically stated.

NOTE — Numeric values in the SI and/or Imperial measurement system in this International Standard may have been rounded and therefore are consistent with, but not exactly equal to, each other. Either system may be used, but the two should be neither intermixed nor reconverted. The original design was made using the Imperial measurement system.

## 2 References

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

1) Bits per millimetre.

2) Bits per inch.