

SLOVENSKI STANDARD
SIST EN 28378-3:1997**01-december-1997**

Information processing - Data interchange on 130 mm (5.25 in) flexible disk cartridges using modified frequency modulation recording at 7958 ftprad, 3,8 tpmm (96 tpi), on both sides - Part 3: Track format B (ISO 8378-3:1986)

Information processing - Data interchange on 130 mm (5.25 in) flexible disk cartridges using modified frequency modulation recording at 7958 ftprad, 3,8 tpmm (96 tpi), on both sides - Part 3: Track format B (ISO 8378-3:1986, ed. 1)

Informationsverarbeitung - Datenaustausch auf 130 mm (5.25 in) Disketten mittels modifizierter Frequenzmodulationsaufzeichnung bei 7958 ftprad, 3,8 tpmm (96 tpi), auf beiden Seiten - Teil 3: Spurformat B (ISO 8378-3:1986, Ausg. 1)

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Traitement de l'information - Echange de données sur cartouches a disquette de 130 mm (5,25 in) utilisant un enregistrement a modulation de fréquence modifiée a 7958 ftprad, 3,8 tpmm (96 tpi), sur deux faces - Partie 3: Schéma de piste B (ISO 8378-3:1986, éd. 1)

Ta slovenski standard je istoveten z: EN 28378-3:1989

ICS:

35.220.21 Magnetni diski Magnetic disks

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EUROPEAN STANDARD

NORME EUROPEENNE

EUROPAISCHE NORM

REPUBLIKA SLOVENIJA
 MINISTRSTVO ZA ZNANOST IN TEHNOLOGIJO
 Urad RS za standardizacijo in meroslovje
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Part 3

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Key words: Data processing, information interchange, flexible disk cartridges, magnetic recording, frequency modulation, track format

English version

Information processing. Data interchange on 130 mm (5.25 in) flexible disk cartridges using modified frequency modulation recording at 7 958 ftprad, 3,8 tpmm (96 tpi), on both sides. Part 3: track format B (ISO 8378-3, 1st edition, 1986)

Traitement de l'information. Echange de données sur cartouches à disquette de 130 mm (5,25 in) utilisant un enregistrement à modulation de fréquence modifiée à 7 958 ftprad, 3,8 tpmm (96 tpi), sur deux faces. Partie 3: schéma de piste B (ISO 8378-3, 1ère édition, 1986)	Informationsverarbeitung. Datenaustausch auf 130 mm (5.25 in) Disketten mittels modifizierter Frequenzmodulationsaufzeichnung bei 7958 ftprad, 3,8 tpmm (96 tpi), auf beiden Seiten. Teil 3: Spurformat B (ISO 8378-3, 1st edition, 1986)
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This European Standard was accepted by CEN on 1988-12-21 and is identical to the ISO standard as referred to. [SIST EN 28378-3:1997](#)
 CEN members are bound to comply with the requirements of the CEN/CENELEC Common Rules which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language may be translation under the responsibility of a CEN member into its own language and notified to CEN Central Secretariat has the same status as the official versions.

CEN members are the national standards organizations of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxemburg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
 Comité Européen de Normalisation
 Europäisches Komitee für Normung

Central Secretariat: rue Bréderode 2, B-1000 Brussels

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Ref. No. EN 28 378-3:1989 E

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BRIEF HISTORY

The Technical Board has decided to submit the International Standard

ISO 8378-3, 1st edition 1986 "Information processing; Data interchange on 130 mm (5.25 in) flexible disk cartridges using modified frequency modulation recording at 7 957 ftprad, 3,8 tpm (96 tpi) on both sides; Part 3: Track format B"

to the formal vote. The result of this vote was positive.

For the time being, this document exists only in the English and the French versions.

According to the CEN/CENELEC Common Rules, the following countries are bound to implement this standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

STATEMENT

The text of the International Standard ISO 8378-3, 1st edition, 1986, was approved by CEN as a European Standard without any modification.



International Standard



8378/3

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

Information processing — Data interchange on 130 mm (5.25 in) flexible disk cartridges using modified frequency modulation recording at 7 958 ftprad, 3,8 tpmm (96 tpi), on both sides — Part 3: Track format B

Traitement de l'information — Échange de données sur cartouches à disquette de 130 mm (5,25 in) utilisant un enregistrement à modulation de fréquence modifiée à 7 958 ftprad, 3,8 tpmm (96 tpi), sur les deux faces — Partie 3: Schéma de piste B

[SIST EN 28378-3:1997](https://standards.iteh.ai/SIST/EN/28378-3:1997)

Second edition — 1986-12-15
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Ref. No. ISO 8378/3-1986 (E)

Descriptors: data processing, information interchange, data transfer, data recording devices, magnetic disks, flexible disks, track formats, specifications.

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 8378/3 was prepared by Technical Committee ISO/TC 97, *Information processing systems*.

This second edition cancels and replaces the first edition published on 1986-04-15, clauses 0, 3 and 4 of which have been technically revised.

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.

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Information processing — Data interchange on 130 mm (5.25 in) flexible disk cartridges using modified frequency modulation recording at 7 958 ftprad, 3,8 tpmm (96 tpi), on both sides —

Part 3: Track format B

0 Introduction

ISO 8378 specifies the characteristics of 130 mm (5.25 in) flexible disk cartridges recorded at 7 958 ftprad, on 80 tracks on each side, using modified frequency modulation (MFM) recording.

ISO 8378/1 specifies the dimensional, physical, and magnetic characteristics of the cartridge so as to provide physical interchangeability between data processing systems.

ISO 8378/1 and ISO 8378/3, together with the labelling scheme specified in ISO 9293, provide for full data interchange between data processing systems.

ISO 8378/2 specifies an alternative track format for data interchange.

1 Scope and field of application

This part of ISO 8378 specifies the quality of recorded signals, the track layout, and a track format to be used on 130 mm (5.25 in) flexible disk cartridges intended for data interchange between data processing systems.

NOTE — Numeric values in the SI and/or Imperial measurement system in this part of ISO 8378 may have been rounded off 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 of this part of ISO 8378 was made using SI units.

2 Conformance

A flexible disk cartridge shall be in conformance with ISO 8378 when it meets all the requirements either of parts 1 and 2 or of parts 1 and 3 of ISO 8378.

3 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.*

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

ISO 8378, *Information processing — Data interchange on 130 mm (5.25 in) flexible disk cartridges using modified frequency modulation recording at 7 958 ftprad, 3,8 tpmm (96 tpi), on both sides —*

Part 1: Dimensional, physical and magnetic characteristics.

Part 2: Track format A.

ISO 9293, *Information processing — Volume and file structure of flexible disk cartridges for information interchange.*¹⁾

4 Track format

4.1 General requirements

4.1.1 Mode of recording

The mode of recording shall be Modified Frequency Modulation (MFM) for which the conditions are

- a) a flux transition shall be written at the centre of each bit cell containing a ONE;
- b) a flux transition shall be written at each cell boundary between consecutive bit cells containing ZEROS.

Exceptions to this are defined in 4.1.12.

1) At present at the stage of draft.