

Guide to

Construction and use of 130 mm (5.25 in) flexible disk cartridges for data interchange, using modified frequency modulation recording at 13 262 ftrpad, on 80 tracks each side —

Part 3: Track format B for 80 tracks

The European Standard EN 28630-3:1992 has the status of a
British Standard

UDC 681.327.63

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

BSI
Documents

AVA

Document Sharing Hub

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Information Systems Technology Standards Committee (IST/-) to Technical Committee IST/4, upon which the following bodies were represented:

- Association for Payment Clearing Services
- British Computer Society
- British Telecommunications plc
- Business Equipment and Information Technology Association
- Department of Trade and Industry (National Physical Laboratory)
- HM Treasury (Central Computer and Telecommunications Agency)
- Institute of Administrative Management
- Institute of Quality Assurance
- Institution of Electrical Engineers
- Institution of Electronic and Radio Engineers
- Institution of Mechanical Engineers
- National Computing Centre Ltd.
- Post Office
- Coopted members

This British Standard, having been prepared under the direction of the Information Systems Technology Standards Committee, was published under the authority of the Board of BSI and comes into effect on 30 September 1988

© BSI 02-2000

The following BSI references relate to the work on this standard:
Committee reference IST/4
Draft for comment 87/66414 DC

ISBN 0 580 16524 8

Amendments issued since publication

Amd. No.	Date of issue	Comments
7324	December 1992	
8193	June 1994	Indicated by a sideline in the margin

Contents

	Page
Committees responsible	Inside front cover
National foreword	ii
Foreword	2
0 Introduction	3
1 Scope and field of application	3
2 Conformance	3
3 References	3
4 General requirements	3
5 Track layout	4
6 Coded representation of data	6
Annex A EDC implementation	7
Annex B Procedure and equipment for measuring flux transition spacing	7
Annex C Data separators for decoding MFM recording	9
Figure 1	4
Figure 2	5
Figure 3	6
Figure 4	7
Figure 5	8
Table 1	5
Table 2	5
Publications referred to	Inside back cover

National foreword

This Part of BS 6957, prepared under the direction of the Information Systems Technology Standards Committee, is identical with ISO 8630-3:1987 “*Information processing — Data interchange on 130 mm (5.25 in) flexible disk cartridges using modified frequency modulation recording at 13 262 ftprad, on 80 tracks on each side — Part 3: Track format B for 80 tracks*”, published by the International Organization for Standardization (ISO).

In 1992 the European Committee for Standardization (CEN) accepted ISO 8630-3:1987 as European Standard EN 28630-3:1992. As a consequence of implementing the European Standard this British Standard is renumbered as BS EN 28630-3 and any reference to BS 6957-3 should be read as a reference to BS EN 28630-3. In 1993 CEN accepted ISO Technical Corrigendum 1:1992 to ISO 8630-3 as Amendment 1:1993 to EN 28630-3.

The purpose of this standard is to define those characteristics necessary for successful data interchange using magnetic disks. The information contained is intended as a guide to writing complete specifications for manufacture, purchasing and/or testing. The text of the International Standard does not accord with the recommendations for drafting product specifications given in the ISO Directives, or in BS 0-3, but the BSI Technical Committee considers the text is useful as a guide when disks are being described or specified. For this reason this Part of BS 6957 has a different title from the International Standard; it is issued as a British Standard guide, and it should only be used as such. It should not be used on its own as a British Standard product specification, and, in particular, no claims of compliance with this Part of BS 6957 should be made.

Terminology and conventions. The text of the International Standard has been approved as suitable for publication as a British Standard without deviation. Some terminology and certain conventions are not identical with those used in British Standards; attention is drawn especially to the following.

For metric units the comma has been used as a decimal marker. In British Standards it is current practice to use a full point on the baseline as the decimal marker.

Wherever the words “part of ISO 8630” and “ISO 8630” appear, referring to this standard, they should be read as “Part of BS 6957” and “BS 6957” respectively.

Cross-references

International Standard	Corresponding British Standard
ISO 646:1983	BS 4730:1985 <i>Specification for UK 7-bit coded character set</i> (Identical, exercising national options)
ISO 2022:1986	BS 6856:1987 <i>Specification for code extension techniques for United Kingdom 7-bit and 8-bit coded character sets</i> (Identical)
ISO 4873:1986	BS 6006:1987 <i>Specification for structure and rules for implementation of United Kingdom 8-bit coded character set</i> (Identical)
ISO 6429:1983	DD 94:1984 <i>Definition of additional control functions for character-imaging devices for information processing, using extended ISO 7-bit and 8-bit coded character sets</i> (Identical) BS 6957 <i>Guide to construction and use of 130 mm (5.25 in) flexible disk cartridges for data interchange, using modified frequency modulation recording at 13 262 ftprad, on 80 tracks on each side</i>

International Standard	Corresponding British Standard
ISO 8630-1:1987	Part 1:1988 <i>Dimensional, physical and magnetic characteristics</i> (Identical)
ISO 8630-2:1987	Part 2:1988 <i>Track format A for 77 tracks</i> (Identical)
ISO 9293:1988	BS 6542 <i>File structure and labelling of flexible disk cartridges for information interchange</i> <i>Part 2:1988 Specification for variable file allocation structure</i> (Identical)

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, the EN title page, pages 2 to 10, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

