

Australian Standard[®]

**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 1—DIMENSIONAL, PHYSICAL
AND MAGNETIC
CHARACTERISTICS**

This Australian Standard was prepared by Committee IS/1, Information Processing Systems. It was approved on behalf of the Council of the Standards Association of Australia on 21 November 1988 and published on 12 December 1988.

The following interests are represented on Committee IS/1:

Australian Association of Permanent Building Societies
Australian Bankers' Association
Australian Bureau of Statistics
Australian Computer Equipment Manufacturers Association
Australian Computing Services Association
Australian Computer Users Association
Australian Information Industry Association
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PREFACE

This Standard was prepared by the Association's Committee on Information Processing Systems. It is identical with and has been reproduced from International Standard ISO 8630-1, drawn up by ISO TC 97, Information Processing Systems.

It is part of an ongoing program of review and addition of Input/Output Media Standards.

For the purpose of this Australian Standard, the text of this ISO Standard should be modified as follows:

- (a) *Terminology*—The words 'Australian Standard' should replace the words 'International Standard' wherever they appear.
- (b) *Cross-reference*—The references to International Standards should be replaced by reference to Australian Standards as follows:

<i>Reference to International Standards</i>		<i>Relevant Australian Standard</i>	
ISO		AS	
646	Information processing—ISO 7-bit coded character set for information interchange	1726	Information processing—7-bit coded character set for information processing
2022	Information processing—ISO 7-bit and 8-bit coded character sets—code extension techniques	1953	Information processing—ISO 7-bit and 8-bit coded character sets—Code extension techniques
6429	Information processing—7-bit and 8-bit coded character sets—Additional control functions for character-imaging devices	2761	Information processing—7-bit and 8-bit coded character sets—Additional control functions for character-imaging devices

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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 1: Dimensional, physical and magnetic characteristics

0 Introduction

ISO 8630 specifies the characteristics of 130 mm (5.25 in) flexible disk cartridges recorded at 13 262 ftprad, using modified frequency modulation (MFM) recording, on 80 tracks on each side.

ISO 8630-2 and ISO 8630-3 each specify the quality of recorded signals, the track layout, and a track format to be used on 130 mm (5.25 in), 13 262 ftprad flexible disk cartridges intended for data interchange between data processing systems.

ISO 8630-1 and ISO 8630-2, together with the labelling scheme specified in ISO 7665, provide for full data interchange between data processing systems.

ISO 8630-1 and ISO 8630-3, together with the labelling scheme specified in ISO 9293, provide an alternative method of full data interchange between data processing systems.

1 Scope and field of application

This part of ISO 8630 specifies the dimensional, physical and magnetic characteristics of the cartridge so as to provide physical interchangeability between data processing systems.

NOTE — Numeric values in the SI and/or Imperial measurement system in this part of ISO 8630 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 inter-mixed nor re-converted. The original design was made using Imperial units and further developments were made using SI units.

2 Conformance

A flexible disk cartridge shall be in conformance with ISO 8630 when it meets all the requirements of this part of ISO 8630 and all those of either ISO 8630-2 or ISO 8630-3.

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 6429, *Information processing — ISO 7-bit and 8-bit charactersets — Additional controlfunctions for character-imaging devices.*

ISO 7665, *Information processing — File structure and labelling of flexible disk cartridges for information interchange.*

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

4 Definitions

For the purpose of ISO 8630 the following definitions apply.

4.1 flexible disk: A flexible disk which accepts and retains on the specified side or sides magnetic signals intended for input/output and storage purposes of information data processing and associated systems.

4.2 Reference Flexible Disk Cartridge: A flexible disk cartridge arbitrarily selected for a given property for calibrating purposes.

4.3 Secondary Reference Flexible Disk Cartridge: A flexible disk cartridge intended for routine calibrating purposes, the performance of which is known and stated in relation to that of the reference flexible disk cartridge.