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**September 2022**

**BUREAU OF INDIAN STANDARDS**  
**DRAFT FOR COMMENTS ONLY**

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***Draft Indian Standard***

**FILE STRUCTURE AND LABELLING OF FLEXIBLE DISK CARTRIDGES  
FOR INFORMATION INTERCHANGE**

**मसौदा भारतीय मानक**

**फ़ाइल संरचना और सूचना इंटरचेंज के लिए नम्य डिस्क कार्ट्रिज की लेबलिंग**

**ICS: 35.220.21**

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LITD 36 Computer hardware, Peripherals,  
Office Equipment and User Interfaces

**Last date for comments: 15 November 2022**

## NATIONAL FOREWORD

(Formal clauses will be added later)

This draft Indian Standard which is identical with ISO 7665 : 1983 ‘Information processing — File structure and labelling of flexible disk cartridges for information interchange’ issued by ISO *will be* adopted by the BIS, on the recommendation of the Computer Hardware, Peripherals, Office Equipment and User Interfaces Sectional Committee, LITD 36 and the approval of the Electronics and Information Technology Division Council.

The text of ISO Standard *may be* approved as suitable for publication as an Indian Standard without deviations. Certain conventions are however not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’.
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their places, are listed below along with their degree of equivalence for editions indicated:

<b>International Standards</b>	<b>Corresponding Indian Standard</b>	<b>Degree of Equivalence</b>
ISO/IEC 60646: 1991 7 Bit coded character set for information interchange (First Revision)	IS 10315: 1997 7 Bit coded character set for information interchange (First Revision)	Identical with ISO/IEC 60646: 1991
ISO/IEC 4873:1991 Information technology — ISO 8-bit code for information interchange	IS 10401 : 1998 8 Bit coded character set for information interchange (First Revision)	Identical with ISO/IEC 4873:1991

— Structure and rules for implementation		
ISO/IEC 2022:1994 Information technology — Character code structure and extension techniques	IS 12326 : 2005 Information technology - Character code structure and extension techniques (First Revision)	Identical with ISO/IEC 2022:1994

The technical committee has reviewed the provisions of following International Standards referred in this adopted standard and has decided that they are acceptable for use in conjunction with this standard. For undated references, the latest edition of the referenced document applies, including any corrigenda and amendment:

<b>International Standards</b>	<b>Title</b>
ISO 5654-1:1984	Information processing — Data interchange on 200 mm (8 in) flexible disk cartridges using two-frequency recording at 13 262 ftprad, 1,9 tpm (48 tpi), on one side — Part 1: Dimensional, physical and magnetic characteristics
ISO 5654-2:1985	Information processing — Data interchange on 200 mm (8 in) flexible disk cartridges using two-frequency recording at 13 262 ftprad, 1,9 tpm (48 tpi), on one side — Part 2: Track format
ISO 7065-1:1985	Information processing — Data interchange on 200 mm (8 in) flexible disk cartridges using modified frequency modulation recording at 13 262 ftprad, 1,9 tpm (48 tpi), on both sides — Part 1: Dimensional, physical and magnetic characteristics
ISO 7065-2:1985	Information processing — Data interchange on 200 mm (8 in) flexible disk cartridges using modified frequency modulation recording at 13 262 ftprad, 1,9 tpm (48 tpi), on both sides — Part 2: Track format

ISO 6596-1:1985	Information processing — Data interchange on 130 mm (5.25 in) flexible disk cartridges using two-frequency recording at 7 958 ftprad, 1.9 tpmm (48 tpi), on one side — Part 1: Dimensional, physical and magnetic characteristics
ISO 6596-2:1985	Information processing — Data interchange on 130 mm (5.25 in) flexible disk cartridges using two-frequency recording at 7 958 ftprad, 1,9 tpmm (48 tpi), on one side — Part 2: Track format
ISO/IEC 7487-1:1993	Information technology — Data interchange on 130 mm (5,25 in) flexible disk cartridges using modified frequency modulation recording at 7 958 ftprad, 1,9 tpmm (48 tpi), on both sides — ISO type 202 — Part 1: Dimensional, physical and magnetic characteristics
ISO 7487-2:1985	Information processing - Data interchange on 130 mm (5.25 in) flexible disk cartridges using modified frequency modulation recording at 7 958 ftprad, 1,9 tpmm (48 tpi), on both sides - Part 2: Track format A

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values (revised)'. The number of significant places retained in the rounded off value should be same as that of the specified value in this standard.

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**Scope of ISO 7665:1983 is as follows:**

This International Standard specifies requirements for the file structure and the labelling of flexible disk cartridges for the interchange of information between users of different information processing systems.

This International Standard specifies

- a) recorded labels to identify files, file sections, and volumes of flexible disk cartridges;
- b) basic characteristics of the blocks containing the records constituting the file;
- c) the file structure.

This International Standard specifies three nested levels of interchange so that

a) at the first level, called BASIC INTERCHANGE (BI), it is possible to interchange data by using a minimum set of the facilities provided;

b) at the second level, called EXTENDED INTERCHANGE LEVEL 1 (E1), it is possible to interchange data using the minimum set together with blocks having a length greater than that of the physical records and with blocked fixed length records;

c) at the third level, called EXTENDED INTERCHANGE LEVEL 2 (E2), it is possible to interchange data using the facilities of levels BI and E1 together with variable-length records and segmented records.

Annex A describes examples but does not form part of this standard.

Annex B gives disk parameter values derived from flexible disk data interchange standards, but does not form part of this standard.

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