Doc No. : LITD 36 (20589)
IS 13737:....
ISO/IEC 10089:1991
October 2022

BUREAU OF INDIAN STANDARDS
DRAFT FOR COMMENTS ONLY

Draft Indian Standard

INFORMATION TECHNOLOGY - 130 MM REWRITABLE OPTICAL DISK CARTRIDGE FOR INFORMATION INTERCHANGE

(First Revision)

मसौदा भारतीय मानक
सूचना प्रौद्योगिकी - सूचना इंटरचेंज के लिए *130* एमएम की पुनर्लेखन योग्य ऑप्टिकल डिस्क कार्ट्रिज
*(*पहला संशोधन*)*

ICS: **35.220.30**

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

Last date for comments: 10 December 2022

NATIONAL FOREWORD

(Formal clauses will be added later)

This draft Indian Standard which is identical with ISO/IEC 10089 : 1991 'Information technology — 130 mm rewritable optical disk cartridge for information interchange' issued by ISO *may be* adopted by Bureau of Indian Standards on the recommendation of the Computer Hardware, Peripherals, Office Equipment and User Interfaces Sectional Committee, LITD 36 and approval of the Electronics and Information Technology Division Council.

This standard was first published in 1993. The first revision has been brought out to align it as per the latest style and format of the Indian Standards.

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:

International Standards	**Corresponding Indian Standard**	**Degree of Equivalence**
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 962:1974 Information processing — Implementation of the 7- bit coded character set and its 7- bit and 8-bit extensions on 9- track 12,7 mm (0.5 in) magnetic tape	IS 11407 : 1986 Implementation of the 7 - Bit coded character set and its 7 - Bit and 8 - Bit extensions on 9 - Track 12.7mm magnetic tape	Identical with ISO 962:1974
ISO/IEC 1863:1990 Information processing — 9-track, 12,7 mm (0,5 in) wide magnetic tape for information interchange using NRZ1 at 32 ftpmm (800 ftpi) — 32 cpmm (800 cpi)	IS 11409 : 2006 Information processing - 9 - Track, 12.7 mm (0.5 In) wide magnetic tape for information interchange using NRZI at 32 ftpmm (800 Ftpi) - 32 cpmm (800 Cpi) (First Revision)	Identical with ISO/IEC 1863:1990
ISO/IEC 1864:1992 Information technology — Unrecorded 12,7 mm (0,5 in) wide magnetic tape for information interchange — 32 ftpmm (800 ftpi), NRZ1, 126 ftpmm (3 200 ftpi) phase encoded and 356 ftpmm (9 042 ftpi), NRZ1	IS 11408 : 2006 Information technology - Unrecorded 12.7 mm (0.5 In) wide magnetic tape for information interchange - 32 ftpmm (800 Ftpi), nrzi, 126 ftpmm (3 200 Ftpi) phase encoded and 356 ftpmm (9 042 Ftpi), nrzi (First Revision)	Identical with ISO/IEC 1864:1992
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
ISO/IEC 3788:1990 Information processing — 9-track, 12,7 mm (0,5	IS 11410 : 2006 Information processing - 9 - Track, 12.7 mm (0.5 In) wide magnetic tape for information interchange	Identical with ISO/IEC 3788:1990

in) wide magnetic tape for information interchange using phase encoding at 126 ftpmm (3 200 ftpi), 63 cpmm (1 600 cpi)	using phase encoding at 126 ftpmm (3 200 Ftpi) - 63 cpmm (1 600 Cpi) (First Revision)	
ISO/IEC 4873:1991 Information technology — ISO 8-bit code for information interchange — Structure and rules for implementation	IS 10401 : 1998 8 Bit coded character set for information interchange (First Revision)	Identical with ISO/IEC 4873:1991
ISO 5652:1984 Information processing — 9-Track, 12,7 mm (0.5 in) wide magnetic tape for information interchange — Format and recording, using group coding at 246 cpmm (6 250 cpi)	IS 11411 : 1986 Specification for 9 - Track, 12.7mm wide magnetic tape format and recording, using group coding at 246 cpmm for information processing	Identical with ISO 5652:1984

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.

Scope of ISO/IEC 10089:1991 is as follows:

This International Standard specifies

— definitions of the essential concepts;

— the environment in which the characteristics are to be tested;

— the environments in which the cartridge are to be operated and stored;

— the mechanical, physical and dimensional characteristics of the case and of the optical disk;

— the magneto-optical characteristics and the recording characteristics for recording the information, for reading the information and for erasing it many times, so as to provide physical interchangeability between data processing systems;

— two formats for the physical disposition of the tracks and sectors, the error correction codes, the modulation methods used for recording and the quality of the recorded signals.

Head
Electronics & IT Department
Bureau of Indian Standards
9, B.S. Zafar Marg,
New Delhi-110002
Email: hlitd@bis.gov.in, litd@bis.gov.in, litd-thirtysix@bis.gov.in
Tele: 011-23608235