

BUREAU OF INDIAN STANDARDS

DRAFT FOR COMMENTS ONLY

(Not to be reproduced without the permission of BIS or used as an Indian Standard)

मसौदा भारतीय मानक

सूचना प्रसंस्करण —

**12,7 मिमी (0.5 इंच) चुंबकीय टेप पर 7-बिट कूटित अक्षर सेट एवं
उसके 7-बिट एवं 8- बिट विस्तार का कार्यान्वयन
(पहला पुनरीक्षण)**

Draft Indian Standard

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
(First Revision)***

ICS: 35.040.10; 35.220.22

©BIS 2023

NATIONAL FOREWORD

This Draft Indian Standard (First Revision) which is identical with 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’ issued by the International Organization for Standardization (ISO) was adopted by the Bureau of Indian Standards on the recommendation of the Indian Language Technologies and Products Sectional Committee and approval of the Electronics and Information Technology Division Council.

This standard was first published in 1986 and was identical with ISO 962:1974. The first revision aligns this Indian Standard with ISO 962:1974. Further, it aligns the formatting and appearance of the standard as per the current practice. The following changes have been done in the standard under this revision:

- a) Addition of Front Cover Page
- b) Addition of Hindi Title
- c) UDC Number changed to ICS Code.

The text of ISO Standard has been 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’ appears 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 respective places, are listed below along with their degree of equivalence for the editions indicated. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies:

International standards	Corresponding Indian standards	Degree of Equivalence
ISO 646, 7-bit coded character set for information processing interchange	IS 10315 : 1997 7 Bit coded character set for information interchange (First Revision)	Identical with ISO/IEC 646:1991
ISO 2022, Code extension techniques for use with the ISO 7-bit coded character set.	IS 12326 : 2005 Information technology - Character code structure and extension techniques (First Revision)	Identical with ISO/IEC 2022: 1994
ISO/R 1863, 9-track 32 rpm (800 rpi) magnetic tape for information interchange;	IS 11409 : 2006 Information processing - 9 - Track, 12.7 mm (0.5 In) wide magnetic tape for information interchange using NRZI	Identical with ISO/IEC 1863:1990

	at 32 ftpmm (800 Ftpi) - 32 cpmm (800 Cpi) (First Revision)	
ISO 3788, 9-track 63 rpm (1 600 rpi) phase-encoded magnetic tape for information interchange.	IS 11410 : 2006 Information processing - 9 - Track, 12.7 mm (0.5 In) wide magnetic tape for information interchange using phase encoding at 126 ftpmm (3 200 Ftpi) - 63 cpmm (1 600 Cpi) (First Revision)	Identical with ISO/IEC 3788:1990
ISO/R 1001, Magnetic tape labelling and file structure for information interchange.	IS 11419 : 2018 Information technology - File structure and labelling of magnetic tapes for information interchange (Second Revision)	Identical with ISO 1001:2012

The Committee has reviewed the provisions of the following International Standard referred in this adopted standard and has decided that it is acceptable for use in conjunction with this standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies:

<i>International Standard</i>	<i>Title</i>
ISO/R 1862	9-track 8 rpm (200 rpi) magnetic tape for information interchange

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 2:2022 'Rules for rounding off numerical values (*Second Revision*)'. The number of significant places retained in the rounded off value should be same as that of the specified value in this standard.

Note: - The Technical content of this document has not been enclosed as these are identical with the corresponding ISO Standard. For details please refer to ISO 962: 1974 or kindly contact.

Head,
Electronics & IT Department
Bureau of Indian Standards
9, Bahadur Shah Zafar Marg, New Delhi-110002
Email: litd@bis.gov.in, litd20@bis.gov.in