AS 1011—1993
ISO/IEC 1864: 1992

Australian Standard®

Information processing systems—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

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Australian Information Industry Association
Data media manufacturers
Interface developers
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PREFACE

This Standard was prepared by the Standards Australia Committee on Information Systems—Equipment to supersede AS 1011—1986. It is identical with, and has been reproduced from, 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.*

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(i) *Terminology* The words 'Australian Standard', should replace the words 'International Standard' wherever they appear.

(ii) *References* The references to International Standards should be replaced by references to the alloying Australian Standards:

Reference to International Standard or other Publication		*Australian Standard*	
ISO		AS	
209	Wrought aluminium and aluminium alloys—Chemical composition and forms of products	—	
209-1	Part 1: Chemical composition		
468	Surface roughness—Parameters, their values and general rules for specifying requirements	2536	Surface texture
1863	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)	1009	Information processing—9-track, 12.7 mm wide magnetic tape for information interchange recorded at 32 rpmm
5652	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)	2750	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 (6250 cpi)
6098	Information processing—Self-loading cartridges, for 12,7 mm (0.5 in) wide magnetic tape	2631	Information processing—Self-loading cartridges for 12.7 mm wide magnetic tape

ISO/IEC			
3788	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)	2241	Data storage and transfer media — 9-track, 12.7 mm wide magnetic tape for information interchange using phase encoding at 126 ftpmm — 63 cpmm
ASTM			
D 2000	Rubber products in automotive applications, classification system for	—	

Information processing systems—Unrecorded 12.7 mm (0.5 in) wide magnetic tape for information interchange—32 ftpmm (800 ftpi), NZR1, 126 ftpmm (3 200 ftpi) phase encoded and 356 ftpmm (9 042 ftpi), NZR1

1 Scope

This International Standard specifies the characteristics of 12,7 mm (0,5 in) wide magnetic tape with reel, to enable magnetic and mechanical interchangeability of such tape between information processing systems.

This International Standard applies solely to magnetic tape or digital recording using the method of recording at 32 ftpmm and 356 ftpmm (800 ftpi and 9 042 ftpi) or the phase-encoded method of recording at 126 ftpmm (3 200 ftpi) in which the direction of magnetization is nominally longitudinal.

NOTE 1 Some numeric values in the SI and/or Imperial measurement system in this International Standard 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 intermixed nor reconverted. The original design was made using the Imperial measurement system.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 209-1:1989, *Wrought aluminium and aluminium alloys—Chemical composition and forms of products—Part 1: Chemical composition.*

ISO 468:1982, *Surface roughness—Parameters, their values and general rules for specifying requirements.*

ISO 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).*

ISO/IEC 3788:1990, *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).*

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).*

ISO 6098:1984, *Information processing—Self-loading cartridges for 12,7 mm (0.5 in) wide magnetic tape.*

ASTM D 2000, *Rubber products in automotive applications, classification system for.*

3 Definitions

For the purposes of this International Standard, the following definitions apply.

3.1 magnetic tape: A tape that will accept and retain the magnetic signals intended for input, output and storage purposes on computers and associated equipment.

3.2 Master Standard Reference Tape: A tape selected as the standard for signal amplitude.

NOTE 2 A Master Standard Reference Tape has been established at the US National Institute of Standards and