

Australian Standard™

**Identification cards—Recording  
technique**

**Part 6: Magnetic stripe—High coercivity**

This Australian Standard was prepared by Committee IT-012, Information Systems, Security and Identification. It was approved on behalf of the Council of Standards Australia on 14 January 2002 and published on 22 March 2002.

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**Part 6: Magnetic stripe—High coercivity**

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## PREFACE

This Standard was prepared by the Standards Australia Committee IT-012, Information Systems, Security and Identification. This Standard is identical with and has been reproduced from ISO/IEC 7811-6:2001, *Identification cards—Recording technique Part 6: Magnetic stripe—High coercivity*.

The objective of this Standard is to provide criteria against which the performance of high coercivity magnetic stripes on identification cards are measured.

This Standard is Part 6 of AS 3522, *Identification cards—Recording technique*, which is published in parts as follows:

Part 1: Embossing

Part 2: Magnetic stripe

Part 3: Location of embossed characters on ID-1 cards

Part 4: Location of read-only magnetic tracks—Tracks 1 and 2

Part 5: Location of read-write magnetic track—Track 3

Part 6: Magnetic stripe—High coercivity (this Standard)

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the annex to which they apply. A normative annex is an integral part of a Standard, whereas an informative annex is only for information and guidance.

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- (a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
- (b) In the source text ‘this part of ISO/IEC FDIS 7811’ should read ‘this Australian Standard’.
- (c) A full point should be substituted for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to equivalent Australian Standards as follows:

<i>Reference to International Standard</i>		<i>Australian Standard</i>	
ISO/IEC		AS	
4287	Surface roughness—Terminology	—	
4287-1	Part 1: Surface and its parameters	—	
7810	Identification cards—Physical characteristics	3521	Identification cards—Physical characteristics
10373	Test methods	—	
10373-1	Part 1: General characteristics tests	—	
10373-2	Part 2: Magnetic stripe	—	

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## AUSTRALIAN STANDARD

**Identification cards — Recording technique —****Part 6:  
Magnetic stripe — High coercivity****1 Scope**

This part of ISO/IEC 7811 is one of a series of standards describing the characteristics for identification cards as defined in the definitions clause and the use of such cards for international interchange.

This part of ISO/IEC 7811 specifies requirements for a high coercivity magnetic stripe (including any protective overlay) on an identification card, the encoding technique and coded character sets. It takes into consideration both human and machine aspects and states minimum requirements.

Coercivity influences many of the quantities specified in this part of ISO/IEC 7811 but is not itself specified. The main characteristic of the high coercivity magnetic stripe is its improved resistance to erasure. This is achieved with minimal probability of damage to other magnetic stripes by contact while retaining read compatibility with magnetic stripes as defined in ISO/IEC 7811-2.

It is the purpose of this series of standards to provide criteria to which cards shall perform. No consideration is given within these standards to the amount of use, if any, experienced by the card prior to test. Failure to conform to specified criteria should be negotiated between the involved parties.

ISO/IEC 10373-2 specifies the test procedures used to check cards against the parameters specified in this part of ISO/IEC 7811.

NOTE Numeric values in the SI and/or Imperial measurement system in this part of ISO/IEC 7811 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 not be intermixed or reconverted. The original design was made using the Imperial measurement system.

**2 Conformance**

A prerequisite for conformance with this part of ISO/IEC 7811 is conformance with ISO/IEC 7810. An identification card is in conformance with this part of ISO/IEC 7811 if it meets all mandatory requirements specified herein. Default values apply if no others are specified.

**3 Normative references**

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO/IEC 7811. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO/IEC 7811 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 4287, *Geometrical Product Specifications (GPS) — Surface texture: Profile method — Terms, definitions and surface texture parameters.*

ISO/IEC 7810, *Identification cards — Physical characteristics.*

ISO/IEC 10373-1, *Identification cards — Test methods — Part 1: General characteristics tests.*

ISO/IEC 10373-2, *Identification cards — Test methods — Part 2: Cards with magnetic stripes.*