

ISO/IEC 7811-6:2018 (E)

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

Contents

	Foreword
1	Scope
2	Normative references
3	Terms and definitions
4	Conformance
5	Physical characteristics of the identification card
5.1	General
5.2	Magnetic stripe area warpage
5.3	Surface distortions
6	Physical characteristics of the magnetic stripe
6.1	Height and surface profile of the magnetic stripe area
6.1.1	Surface profile of the magnetic stripe area
6.1.2	Height of the magnetic stripe area
6.2	Surface roughness
6.3	Adhesion of stripe to card
6.4	Wear of magnetic stripe from read/write head
6.5	Resistance to chemicals
7	Performance characteristics for the magnetic material
7.1	General
7.2	Testing and operating environment
7.3	Signal amplitude requirements for magnetic media
8	Encoding technique
9	Encoding specification, general
9.1	Angle of recording
9.2	Nominal bit density
9.3	Signal amplitude requirements for tracks 1, 2 and 3
9.4	Bit configuration
9.5	Direction of recording
9.6	Leading and trailing zeroes
10	Encoding specifications
10.1	Alphanumeric track, Track 1
10.1.1	Average bit density
10.1.2	Flux transition spacing variation
10.1.3	Coded character set
10.1.4	Maximum number of characters for ID-1 type card
10.2	Numeric track, Track 2
10.2.1	Average bit density
10.2.2	Flux transition spacing variation
10.2.3	Coded character set
10.2.4	Maximum number of characters for ID-1 type card
10.3	Numeric track, Track 3
10.3.1	Average bit density
10.3.2	Flux transition spacing variation

- 10.3.3 Coded character set
- 10.3.4 Maximum number of characters for ID-1 type card
- 11 Error detection
 - 11.1 General
 - 11.2 Parity
 - 11.3 Longitudinal redundancy check (LRC)
- 12 Location of encoded tracks
- Annex A (informative) Magnetic stripe read compatibility — ISO/IEC 7811-2, ISO/IEC 7811-6
- Annex B (informative) Magnetic stripe abrasivity
- Annex C (informative) Static magnetic characteristics
 - C.1 Introduction
 - C.2 Terms and definitions
 - C.3 Recommended characteristics

Page count: 22