

ISO/IEC 7811-6:2014-09 (E)

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

Contents		Page
Foreword		iv
1	Scope	1
2	Conformance	1
3	Normative references	1
4	Terms and definitions	2
5	Physical characteristics of the identification card	3
5.1	Magnetic stripe area warpage	3
5.2	Surface distortions	4
6	Physical characteristics of the magnetic stripe	4
6.1	Height and surface profile of the magnetic stripe area	4
6.2	Surface roughness	6
6.3	Adhesion of stripe to card	6
6.4	Wear of magnetic stripe from read/write head	7
6.5	Resistance to chemicals	7
7	Performance characteristics for the magnetic material	7
7.1	General	7
7.2	Testing and operating environment	7
7.3	Signal amplitude requirements for magnetic media	7
8	Encoding technique	9
9	Encoding specification, general	10
9.1	Angle of recording	10
9.2	Nominal bit density	11
9.3	Signal amplitude requirements for tracks 1, 2 and 3	11
9.4	Bit configuration	12
9.5	Direction of recording	12
9.6	Leading and trailing zeroes	12
10	Encoding specifications	12
10.1	Alphanumeric track, track 1	12
10.2	Numeric track, Track 2	15
10.3	Numeric track, Track 3	16
11	Error detection	17
11.1	Parity	17
11.2	Longitudinal redundancy check (LRC)	17
12	Location of encoded tracks	17
6)	19
Annex B (informative)	Magnetic stripe abrasivity	20
Annex C (informative)	Static magnetic characteristics	21