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