

ICS 35.240.15
CCS L 64



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 28177.2-2011

**Identification cards -- Thin flexible cards -- Part 2: Magnetic
recording technique.**

识别卡 柔性薄卡 第2部分：磁记录技术
(English Translation)

Issued on: December 30, 2011

Implemented on: June 1, 2012

Issued by: Standardization Administration of China

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Foreword

GB/T 28177 "flexible thin card identification card" is divided into the following three parts.

--- Part 1. Physical characteristics;

--- Part 2. magnetic recording technology;

--- Part 3. Test methods.

This section GB/T Part of 228,177.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses redrafted law revision using ISO/IEC 15457-2:2007 "identification card thin flexible cards - Part 2. magnetic technology".

This part of ISO/IEC 15457-2. Compared to 2007, the increase in the structure of the introduction and abbreviations.

This section also made the following editorial changes.

--- Increased introduction, which will be described in the scope of international standards on the use of flexible thin card and recording method used in the introduction;

--- For ease of use, increased abbreviations.

Consistency correspondence between this part of international documents and normative references of our files are as follows.

--- GB/T 3505-2009 Geometrical product specifications (GPS) Surface texture Profile method - Terms, definitions and surface texture Parameters (ISO 4287:1997, IDT) Please note that some of the content of this document may involve patents. Release mechanism of the present document does not assume responsibility for the identification of these patents.

This part of the National Information Technology Standardization Technical Committee (SAC/TC28) and focal points.

Introduction

Thin flexible card (TFC) is typically used to access the goods or services of automatic control, such as public transportation, highway toll systems, parking, with Gift certificates and the like.

In these applications, data can be written using different recording technology equipment and/or reading, such as magnetic stripe, optical character recognition (OCR), bar code, non-contact technology.

Identification cards - Thin flexible cards Part 2. magnetic recording technology

1 Scope

GB/T 28177 This section specifies the requirements for flexible thin card two points in time during the life cycle of the magnetic stripe and coding features.

--- When loaded to the card issuing device;

--- The time of release to the public.

Storage and use of the finished card (including magnetic stripe cards) the relevant guidelines given in ISO/IEC 15457-1 in a variety of environmental conditions.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

ISO 4287 Geometrical product specifications (GPS) - Surface texture. Profile method - Terms, definitions and surface texture parameters (GeometricalProductSpecifications (GPS) -Surfacetexture. Profilemethod-Terms, definitionsand surfacetextureparameters)
ISO/IEC 7811-2 Identification cards - Recording technique - Part 2. low coercivity magnetic stripe (Identificationcards-Recordingtechnique-Part 2. Magneticstripe-Lowcoercivity)
ISO/IEC 7811-6 Identification cards - Recording technique - Part 6. Magnetic stripe - High

coercivity (Identificationcards-Recordingtechnique-Part 6. Magneticstripe-Highcoercivity)
ISO/IEC 15457-1 Identification cards - Thin flexible cards - Part 1. Physical characteristics
(Identificationcards-Thinflexible cards-Part 1. Physicalcharacteristics) ISO/IEC 15457-3
Identification cards - Thin flexible cards - Part 3. Test methods
(Identificationcards-Thinflexible cards-Part 3. Testmethods)

3.1 Terms and Definitions

ISO/IEC 15457-1 as defined in the following terms and definitions apply to this document.

3.1.1

Track track

By the single-channel magnetic read/write interface data encoded magnetic strip occupied surface area.

3.1.2

Center magnetic stripe centralstripe Located in the center axis transverse magnetic stripe cards.

3.1.3

Flanking magnetic stripe lateralstripe Magnetic stripe of the card without any lateral transverse axis center.