

ICS 35.240.60
CCS P 07

CJ

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

CJ/T 243-2016

Replacing CJ/T 243-2007

**Testing of IC card for construction cause
(English Translation)**

Issued on: June 14, 2016

Implemented on: December 1, 2016

**Issued by: Ministry of Housing and Urban-Rural Development of the
People's Republic of China**

Table of Contents

Preface
1 Scope
2 Normative references
3 Terms and definitions
4 Abbreviations and symbols
5 IC card detection
6 IC card terminal detection
7 City Card Security Domain Compliance Test

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces CJ/T 243-2007 "Construction Business Integrated Circuit (IC) card product testing", compared with CJ/T 243-2007, the main to technical changes are as follows.

--- Delete logical encryption card table terminal application detection (2007 edition 7.5);

--- Deletion of logical encryption card detection related content (2007 version 7.1, 7.2, 7.3, 7.4);

--- Increase the relevant testing requirements for interoperability cards (see 5.2.19 ~ 22, 5.3.13 ~ 18);

--- Increase the city card applications related to mobile payment related testing requirements (see Chapter 7, Chapter 8).

This standard proposed by the Ministry of Housing and Urban Standard and Design Institute.

This standard by the Ministry of Housing and Urban Information Technology Standardization Technical Committee centralized.

Responsible for the drafting unit. Ministry of Housing and Urban-Rural Development IC card application service center, Chinese and foreign construction information limited liability company.

Participated in the drafting unit. G & D (China) Information Technology Co., Ltd., Shenzhen Hua Xu Technology Development Co., Ltd., Shanghai Huahong Ji Tong intelligent System Co., Ltd., Beijing Jiangnan Gemeng Technology Co., Ltd., China Electronics

Standardization Institute, Beijing respect crown Technology Co., Ltd., Information Industry Information Security Assessment Center, Eastcompeace Technology Co., Ltd., Shanghai Huahong Integrated Circuit Co., Ltd., NXP State) Management Co., Ltd., Infineon Integrated Circuit (Beijing) Co., Ltd., Shanghai Fudan Microelectronics Group Co., Ltd., Wuhan Tianyu Information Industry Co., Ltd., Banknote Credit Card Industry Development Co., Ltd., Beijing billion speed code data processing limited liability company, can card Technology Co., Ltd., Shanghai Cosmos Software Co., Ltd., Zhongshan Tat Wah Intelligent Technology Co., Ltd., Shenzhen Decca Technology has Limited, Zhuhai PHYLLIS Electronics Industry Co., Ltd., Fuzhou Siu Ke smart card Limited.

1 Scope

This standard specifies the construction of IC card testing, IC card terminal testing, city card security domain compliance testing and reference implementation test.

This standard applies to the construction of IC card cards and terminal design, manufacture, management, distribution and application system development,, integration, should Use and maintenance of the process of IC card testing.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 2423.1-2008 Environmental testing for electric and electronic products Part 2. Test methods Test A. Low temperature GB/T 2423.2-2008 Environmental testing for electric and electronic products Part 2. Test methods Test B. high temperature GB/T 2423.3-2006 Environmental testing for electric and electronic products Part 2. Test methods Test Cab. constant hot and humid test GB/T 2423.5-1995 Environmental testing for electric and electronic products Part 2. Test methods Test Ea and guidance. Impact GB/T 2423.6-1995 Environmental testing for electric and electronic products Part 2. Test methods Test Eb and guidance. Collision GB/T 2423.10-2008 Environmental testing for electric and electronic products Part 2. Test methods Test Fc. Vibration (sinusoidal) GB/T 4798.5-2007 Environmental conditions for the application of electric and electronic products - Part 5. Use of surface vehicles GB/T 4857.2-2005 Packaging - Transport packages - Basic test - Part 2. Temperature and humidity conditioning Packaging - Transport packages - Drop test method Information technology - Equipment safety - Part 1. General requirements Information technology equipment - Radio disturbance limits and methods of measurement GB/T 14916-2006 Identification card physical characteristics GB/T 16649.1-2006 Integrated circuit cards for identification of card contacts - Part 1. Physical characteristics GB/T 16649.2-2006 IC card with contact identification card Part 2. Contact size and location GB/T 16649.3-2006 IC cards with contact identification card - Part 3. Electrical signals and

transmission protocol Identification cards - Test methods - Part 1. General characteristics test GB/T 17554.3-2006 Identification cards - Test methods - Part 3. Integrated circuit cards with contacts and their associated interface equipment Information technology equipment Immunity limits and methods of measurement GB/T 17618-2015 General specification for integrated circuit (IC) card reader CJ/T 166 Construction Technology Application Requirements for Integrated Circuit (IC) Cards CJ/T 3087-1999 city bus, tram charging equipment electronic toll machine application of technical conditions CJ/T 5024-1997 electronic taxi meter ISO/IEC 7810.:2003 Identification cards Physical characteristics (Identificationcards-Physicalcharacteristics) ISO/IEC 10373.1.:2006 Test methods for identification cards - Part 1. General characteristics test (Identificationcards-Test methods-Part 1. Generalcharacteristics) ISO/IEC 10373.6.:2011 Test methods for identification cards - Part 6. Identification cards - Identification methods-Part 6. Proximitycards) ISO/IEC 14443-2 Identification cards Contactless integrated circuit cards Proximity cards Part 2. RF power and signal interface