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# INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

# CJ/T 166-2002

Replacing CJ/T 166-2006

## Technology specification for application of integrated circuit cards in construction cause

**(English Translation)**

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

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## Foreword

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

This standard replaces CJ/T 166-2006 "construction business integrated circuit (IC) card application technology" this standard compared with CJ/T 166-2006, the revised main contents include.

--- Increase and improve the card type (see 5.1);

--- Increase and improve the requirements of the open platform CPU card (see 5.6);

--- Increase and improve the IC card interoperability requirements (see 5.7);

--- Increase and improve the physical parameters of the PSAM card requirements (see 6.2.1.3);

--- Increase and improve the security requirements of the city card security area (see 11.7);

--- Increase and improve the requirements of multi-application open platform (see Chapter 13);

--- Delete the contents of the logical encryption card (see 2006 version 3.24,5.5.1,5.8.3,6.7.1,7.2.3.4.2,7.5.1);

--- Deletion of the service ISAM card related content (see 2006 version 6.4.2).

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.



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## 1 Scope

This standard specifies the construction of integrated circuit (IC) card card technology requirements, off-line IC card terminal equipment, online IC card terminal set Prepared, table-type IC card terminal equipment, key systems and requirements, digital certificate authentication system, security mechanisms and security requirements, IC card application system Technical requirements, multi-application open platform requirements, IC card application system acceptance requirements and the corresponding definitions, symbols and so on.

This standard applies to the construction of IC card applications related to cards, terminal equipment, and application systems development, integration, maintenance and management.

## 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 16649.1 Integrated circuit cards for card contact identification - Part 1. Physical characteristics GB/T 16649.2 IC card with contact identification card Part 2. Contact size and location GB/T 16649.3 IC card with integrated circuit card identification contacts - Part 3. Electrical signal and transmission protocol GB/T 16649.4 integrated circuit card identification card contacts - Part 4. Structure for exchange, security and command GB/T 16649.5 integrated circuit card identification card contacts - Part 5. Application identifier country numbering system and registration Procedures Technical requirements of CPU card operating system for construction careers CJ/T 331 Common technical requirements for city utilities interoperability CJ/T 332 Urban Utility Interlink Card Clearing and Clearing Technical Requirements JR/T 0025 China Financial Integrated Circuit (IC) card specification ISO/IEC 14443-1 Identification cards Contactless integrated circuit cards Proximity cards Part 1. Physical characteristics (Identification cards-Contactlessintegratedcircuitcards-Proximitycards-Part 1. Physicalcharacteristics) ISO/IEC 14443-2 Identification cards Contactless integrated circuit cards Proximity cards Part 2. RF power and signal interface (I-dentificationcards-Contactlessintegratedcircuitcards-Proximitycards-Part 2. Radiofrequency powerandsignalinterface) ISO/IEC 14443-3 Identification cards Contactless integrated circuit cards Proximity cards Part 3. Initialization and anti-collision (Identi-ficationcards-Contactlessintegratedcircuitcards-Proximitycards-Part 3. Initializationandanti-colision ISO/IEC 14443-4 Identification cards Contactless integrated circuit cards Proximity cards Part 4. Transmission protocol (Identification cards-Contactless integrated circuit patterns-Proximitycards-Part 4. Transmission protocols) ISO 13491-2



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Banking Security Cryptographic Device Part 2. Magnetic Stripe Card System Device Safety Test Schedule (Banking-Securecryptographicdevices (retail) -Part 2. Securitycompliancechecklistsfordevicesusedinfinan-cialtransactions2005)

## 3 Terms and definitions

The following terms and definitions apply to this document.



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