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

GB/T 16649.9-2010

**Identification cards -- Integrated circuit cards -- Part 9:
Commands for card management**

识别卡 集成电路卡 第9部分：用于卡管理的命令

(English Translation)

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Foreword

GB/T 16649 in the general title "Identification cards - Integrated circuit card" under the current 14 by the following components.

- Part 1. Cards with contacts - Physical characteristics;
- Part 2. Dimensions and location of the contacts Cards with contacts;
- Part 3. Cards with contacts - Electronic signals and transmission protocol;
- Part 4. for structural, security and command exchange;
- Part 5. National numbering system and registration procedure for application identifiers;
- Part 6. inter-industry data elements;
- Part 7. card for Inter Structured Query Language (SCQL) trade order;
- Part 8. Security related inter-industry commands;
- Part 9. Commands for card management;
- Part 10. Cards with contacts synchronization signals and answer to reset the card;
- Part 11. Personal verification through biometric methods (under development);
- Part 12. Cards with contacts - USB electrical interface and operating procedures;
- Part 13. In a multi-application environment, application management commands (under development) is used;

--- Part 15. Application of password information.

This is Part 9 GB/T 16649 of.

This section identical with the international standard ISO/IEC 7816-9:2004 "Identification cards - Integrated circuit cards - Part 9. For card management Command "(in English).

For ease of use, this section made the following editorial changes.

a) Remove international standards preface;

b) to the "File" to "in this section." Appendix A of this section is informative appendix.

This part is proposed by the Ministry of Industry and Information Technology of the People's Republic of China.

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

Introduction

GB/T 16649 series of international standards is to provide parameters and switching IC card in the IC card use. IC card for information exchange (on the exchange of information between the outside world and agreed by the integrated circuit card) identification card. As a result of the exchange of information, transfer card Get information (results, data storage), and/or change its content (data storage, the result memory).

--- There are four provisions of the charged portion of the contact card, which has three parts also provides electrical interface.

GB/T 16649.1 defines the physical characteristics of the card with contacts;

GB/T 16649.2 defines the size and location of the contacts;

GB/T 16649.3 provides asynchronous card electrical interface and transmission protocols;

GB/T 16649.10 provides synchronous card electrical interface and answer to reset;

--- All other parts are independent of the physical interface technology. They are used by contact and/or radio access card.

GB/T 16649.4 defines the structure, security and commands for interchange;

GB/T 16649.5 defines the application provider's registration;

GB/T 16649.6 provides for the exchange of inter-industry data elements;

GB/T 16649.7 provides commands for Structured Card Query Language;

GB/T 16649.8 provides commands for safe operation;

GB/T 16649.9 specifies commands for card management.

Identification cards - Integrated circuit card Part 9. Commands for card management

1 Scope

This section GB/T 16649 specifies the inter-industry for card management and file management commands. These commands cover the entire survival card Period, therefore, some commands in the card issuer to the cardholder hands before it is used, some commands still in use after the card is terminated.

This section does not cover the card and (or) outside the internal implementation.

2 Normative references

The following documents contain provisions which, through reference GB/T 16649 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 16649.4-2010 Identification cards - Integrated circuit cards - Part 4. Structure for switching, security and command (ISO/IEC 7816-4:2005, IDT)

3 Terms and Definitions

The following terms and definitions apply to this section.

Secure message transmission securemessaging for (part of) command - a response to a set of encryption methods.

4 Abbreviations and notation

APDU application protocol data unit FCP file control parameters LCS survival status SEID security environment identifier

5 Survival

Survival status may be associated with some of the objects on the card and the card itself is associated. Cards should be combined with additional security attributes to use like survival State to determine whether the operation target on the security policy. Survival of the state reflects the object using the following rules.

--- When an object is created in the state, should not be the object of any security attributes apply.

--- When an object is in the initialization state, the state can apply specific security

attributes.

--- When an object is in operation, the relevant security attributes should be applied.

--- When an object in a terminated state, it should be allowed to adjust its value, but it may be related to its property in accordance with the security Using, for example, it can be removed.

Transition between the basic survival of the state is irreversible, and can only be from creation to termination. In addition, the application can define child survival Status. The basic state can have state can be inverse. Changes survival state controlled by the card, and can achieve a predefined command,