

GA

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Security requirements for automatic teller machines (English Translation)

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Table of Contents

Foreword...	3
1 Scope...	4
2 Normative references...	4
3 Terms, definitions and abbreviations...	5
4 General requirements...	7
5 Hardware module security requirements...	8
6 Network access security requirements...	10
7 Operating system security requirements...	11
8 Application system security requirements...	13
9 Data security requirements...	14
10 Test methods...	15
11 Inspection rules...	24

Foreword

Chapter 1 to Chapter 3 of this Standard, 4.4, 4.5, 4.10, 5.1.3, 5.2.6, 5.4.3, 5.5.3, 7.1.7, and Chapter 10 are recommended, AND the remainder are mandatory.

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

This standard was proposed by the Public Security Administration Bureau of the Ministry of Public Security.

This standard shall be under the jurisdiction of the National Security Alarm System Standardization Technical Committee (SAC/TC 100).

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Security requirements for automatic teller machines

1 Scope

This standard specifies the general requirements, the hardware modules, network access, operating systems, application systems and data security requirements, test methods and inspection rules of the automatic teller machine.

This standard applies to the design, production, inspection and acceptance of automatic teller machine security.

2 Normative references

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this Standard.

GB10409 Burglary resistant safes

GB/T 18789.1-2013 Information technology - General specification for automated teller machine - Part 1.Device

GB/T 19584 Magnetic stripe data content and specification for bank card

GA 745 Regulations of security and protection for bank self-service equipment and self-service bank

JR/T 0002-2009 Specification on automatic teller machine (ATM) terminal for bank card

JR/T 0025.3 China financial integrated circuit (IC) card specifications - Part

3 Debit/credit application independent ICC to terminal interface

requirements

JR/T 0025.11 China financial integrated circuit (IC) card specifications - Part

3.1 Terms and definitions

The following terms and definitions apply to this document.

3.1.1

Automatic teller machine

It refers to the self-service equipment, which integrates a variety of different financial business functions, through which customers can finish the bank counter services such as deposit, withdrawal, transfer, information inquiry and other agency business, including automatic teller machine AND cash recycling system.

3.1.2

Automatic teller machine control software

It refers to the control system software running at the automatic teller machine terminal equipment at the bottom of the terminal trading channel, through which the ATM components can be controlled. It is mainly used to provide customers and ATM equipment administrator with a variety of transaction and management interface, AND realizes certain functions together with the ATM front-end processing system through message exchange.

3.1.3

Automatic teller machine front-end processing system

It refers to, in case of dealing with online transactions, the processing system that is responsible for the communication between the ATM terminal and the ATM management center, which can receive, process and forward the transaction request information from the ATM terminal and the transaction result information from the management center.

3.1.4

Message

It refers to the data unit used for exchanging and transmission in the network.

3.1.5

4.6 Different ATM cabinet doors shall not use the same key, AND the different cabinet doors of the same ATM shall not use the same key.

4.7 ATM cabinet inside shall reserve the installation openings for the face surveillance camera and the cash deposit and withdrawal surveillance camera.

4.8 The surveillance cameras installed in ATM shall comply with the relevant requirements of GA 745.

4.9 ATM cabinet enclosure shall be made of steel plate of thickness greater than or equal to 1 mm.

4.11 ATM shall have the function of outputting the status information such as working normal and fault.

4.12 ATM with a cabinet door shall be installed with alarm detection device, to detect and alarm the abnormal door opening and closing. When the safe lock is opened, the ATM shall not enter service mode.

4.13 The card mouth shall have the function of preventing from illegal installation of reading device, detecting the illegal installation of reading device, AND issuing alarm.

5.1.1 The card reader module shall have the function of returning card in case of power failure.

5.1.2 Contact card reader module shall have the card retention function, during which it shall produce a fault signal.