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GA

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

GA/T 501-2020

Replacing GA 501-2004

Bank safe deposit boxes

银行保管箱

(English Translation)

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Foreword

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

Please note that certain contents of this standard may involve patents. The issuing organization of this standard does not bear the responsibility for identifying these patents.

This standard replaces GA 501-2004 "General Technical Requirements for Safe Deposit Boxes for Banks". Compared with GA 501-2004, except for editorial changes in addition, the main technical changes are as follows.

---Modified the standard name;

---Revised as a recommended standard;

---Modified the terms and definitions of bank safe deposit boxes, storage boxes and compartments (see 3.1~3.3, 3.1~3.3 of the 2004 edition);

---Added the terms and definitions of viewing area, fixed bank safe deposit box, movable bank safe deposit box, self-service bank safe deposit box, key (See 3.4~3.8);

---Deleted the maximum allowable uniform load of the unit body, shelf, package board, base, and transverse partition, the maximum allowable concentrated load of the transverse partition, storage the maximum allowable uniform distribution load of the storage box, the maximum allowable centralized load of the storage box, the amount of keys, the anti-technical opening, the electronic control device, the electronic control Terms and definitions of system, customer identification information, failure rate (2004 version 3.4~3.11, 3.15~3.16, 3.18, 3.20~ 3.22);

---Modified the terms and definitions of the management party key, customer key, mechanical dual control lock, and electromechanical dual control lock (see 3.9~3.11, 3.12, 3.12~3.14, 3.19 of the 2004 edition);

---Added the terms and definitions of net working time, entry, and common hand tools (see 3.15~3.16);

---Added product classification and structure (see 4.1);

---Modified the product code (see 4.2, Chapter 4 of the 2004 edition);

---Modified the technical requirements and test methods for appearance and signs, storage boxes, columns and bases (see 5.1, 6.2, 5.1, 2004 edition 5.2, 5.9, 6.2, 6.9);

---Modified the size of the compartment door, the double control lock of the compartment door, the size of the compartment partition, the technical requirements and test methods of the information management system Method (see 5.2.1~5.2.4, 6.3.1~6.3.4, 5.3, 5.5, 5.10.1~5.10.2, 6.3, 6.5, 6.10.1~6.10.2 of 2004 edition);

---Modified the safety, environmental adaptability, electromagnetic compatibility technical requirements and test methods of the electrical control system (see 5.2.5, 6.3.5, 5.10.3~5.10.5, 6.10.3~6.10.5 of the 2004 version);

---Added the technical requirements and test methods required for anti-destructive ability (see 5.2.6 and 6.3.6);

---Added technical requirements and test methods for mobile bank safe deposit boxes and

self-service bank safe deposit boxes (see 5.3, 5.4, 6.4 and 6.5);

--- Deleted the technical requirements for hinges, unit bodies, shelves, and cladding panels (5.4, 5.6~5.8 in 2004 edition);

---Modified the inspection rules (see Chapter 7, Chapter 7 of the 2004 edition);

---Modified the requirements of packaging, transportation and storage (see Chapter 8, Chapter 8 of the 2004 edition).

This standard was proposed by the Science and Technology Information Technology Bureau of the Ministry of Public Security.

This standard is under the jurisdiction of the Sub-Technical Committee for Physical Protection Equipment (SAC/TC100/SC1) of the National Standardization Technical Committee for Security and Alarm System.

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The previous versions of the standard replaced by this standard are as follows.

---GA 501-2004.

Bank safe deposit box

1 Scope

This standard specifies the classification and code, technical requirements, test methods, inspection rules, packaging, transportation and storage of bank safe deposit boxes.

This standard applies to the design, manufacture and inspection of safe deposit boxes in banks. Safe deposit boxes used in other places can be implemented by reference.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this article Pieces. For undated

references, the latest version (including all amendments) applies to this document.

GB/T 191 Packaging, storage and transportation pictorial signs GB/T 2828.1 Sampling inspection procedure by attributes Part 1: Batch inspection sampling plan retrieved by acceptance quality limit (AQL) GB/T 10125-2012 artificial atmosphere corrosion test salt spray test GB 10409-2019 Anti-theft safe (box) GB/T 15211-2013 Environmental adaptability requirements and test methods for security alarm equipment GB 16796-2009 Safety requirements and test methods for security alarm equipment GB/T 22239-2019 Information Security Technology Network Security Level Protection Basic Requirements GB/T 30148-2013 EMC immunity requirements and test methods for safety protection alarm equipment GB 37481-2019 General technical requirements for vault doors GB 50348-2018 Security Engineering Technical Standard GA 38-2015 Security requirements for bank business premises GA/T 73-2015 Mechanical anti-theft lock GA 374-2019 electronic anti-theft lock GA 745-2017 Security requirements for bank self-service equipment and self-service banking GA 858-2010 Security requirements for banking business libraries

3 Terms and definitions

The following terms and definitions defined by GA 38-2015 and GB 10409-2019 are applicable to this document.

Bank safe deposit box Stored in a safe deposit box, the bank provides a combination box with certain protective capabilities for customers to store items in the form of compartments.

storage box

In a bank safe deposit box, a carrier for customers to store items.

Compartment

In the bank safe deposit box, the basic unit space for storage boxes.