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

GA/T 894.7-2012

**Fingerprint recognition application system for security and
protection. Part 7: Fingerprint capture device
(English Translation)**

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Foreword

This section drafted in accordance with GB/T 1.1-2009 given rules.

Please note that some of the content of this document may involve patents. The issuing authority of this article does not assume responsibility for the identification of these patents.

The Standard Appendix A, Appendix B, Appendix C, Appendix D is a normative appendix.

GA/T 894 "Fingerprint Security System" is divided into eight sections.

- Part 1. fingerprint data exchange format;
- Part 2. fingerprint image recording format;
- Part 3. fingerprint image quality;
- Part 4. fingerprint template data technical requirements;
- Part 5. Application Interface Specification;
- Part 6. fingerprint recognition algorithm evaluation method;
- Part 7. fingerprint capture device;
- Part 8. General requirements for fingerprint identification.

This section GA/T 894 Part 7.

This part of the technical committee biometric identification applications Technical Committee (SAC/by the National Security Alarm System Standardization TC100/SC2) and focal points.

This section is drafted. Beijing in the security shield technology development company, Shenzhen Asia Eliot Biometric Technology Co., Ltd., Hangzhou Chiang Health Ltd. was certified, Changchun Hongda Guang Electronics Co., Ltd. and biometric identification technology, the first Ministry of Public Security Institute.

1 Scope

This section GA/T 894 specifies the terms and definitions of security in the fingerprint device fingerprint system, composition, classification and standard Hutchison, technical requirements, test methods, inspection rules, logo and packaging, transportation and storage.

This section applies to the development, production and testing of fingerprint capture devices.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 191-2008 Packaging - Pictorial signs GB/T 2421.1-2008 Environmental testing for electric and electronic products and Overview Guide GB/T 2423.1-2008 Environmental testing for electric and electronic products Part 2. Test methods Test A. Cold GB/T 2423.2-2008 Environmental testing for electric and electronic products Part 2. Test methods Test B. Dry heat GB/T 2423.3-2006 Environmental testing for electric and electronic products Part 2. Test methods - Test Cab. Damp heat test GB/T 2423.8-1995 Environmental testing for electric and electronic products Part 2. Test methods Test Ed. Free fall GB/T 2423.10-2008 Environmental testing for electric and electronic products Part 2. Test methods Test Fc. Vibration (sinusoidal) GB/T 5080.7-1986 Equipment reliability testing efficiency constant failure rate assumption under the MTBF of the verification test Inspection program GB/T 5271.14-2008 Information technology - Vocabulary Part 14. Reliability, maintainability and availability GB/T 17626.2-2006 Electromagnetic compatibility - Testing and measurement techniques - Electrostatic discharge immunity test GB/T 17626.3-2006 Electromagnetic compatibility - Testing and measurement techniques RFEMS test GA/T 893-2010 biometric security application terminology GA/T 894.3-2010 security fingerprint identification applications - Part 3. fingerprint image quality GB 13000 Information technology - Universal Multiple-Octet Coded Character Set (UCS)

3 Terms and Definitions

GA/T 893-2010, GA/T 894.3-2010 and define the following terms and definitions apply to this document.

Fingerprint capture device for fingerprint image electronic devices. For example. optical collector, ultrasonic collector, the collector capacitance, electrical and thermal collectors A sense of gathering and so on.

[GA/T 893-2010, the definition 3.3.12] 3.2 Acquisition time capturingtime Fingerprints collected from the device to start collecting an image processor receives the time of the site complete image data.