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

GB/T 26237.3-2011

**Information technology -- Biometric data interchange formats --
Part 3: Finger pattern spectral data**

信息技术 生物特征识别数据交换格式 第3部分：指纹型谱数据
(English Translation)

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Foreword

GB/T 26237 "Information technology biometric identification data exchange format" is divided into the following 14 parts.

- Part 1. Framework;
- Part 2. Fingerprint detail data;
- Part 3. Fingerprint spectrum data;
- Part 4. Fingerprint image data;
- Part 5. Face image data;
- Part 6. Iris image data;
- Part 7. Signature/signature timing data;
- Part 8. Fingerprint skeleton data;
- Part 9. Biometric identification of blood vessels;
- Part 10. Hand contour data;
- Part 11. processed signature/signature dynamic data;
- Part 12. Face shape data;
- Part 13. Sound data;
- Part 14. DNA data.

This part is part 3 of GB/T 26237.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This section uses the re-drafting method to modify the use of international standards ISO/IEC FDIS19794-3..2006 "Information technology biometric knowledge Data exchange format Part 3. Fingerprint spectrum data ".

This section is technically different from ISO/IEC 19794-3.:2006, and the terms involved in these differences have been passed on the outside margin the vertical single line (|) of the blank position is marked.

- the terms in Chapter 4 of this Part are the same as those in GB/T 26238-2010 "Information Technology Biometrics" the definition of which is used; if it is not repeated, it is defined in ISO/IEC FDIS19794-3..2006.

Introduction

In this part, the terminology and definition of fingerprint type spectrum, fingerprint spectrum data, fingerprint type data record, fingerprint type data card format, the storage pattern of the fingerprint-type spectrum data, and the exchange format of the fingerprint-based fingerprint data to guide the various fields of automatic fingerprint recognition application.

Information technology - Biometrics data exchange format Part 3. Fingerprint spectrum data

1 Scope

This part of GB/T 26237 specifies the definition of fingerprint-type spectral data, fingerprint-type spectral data records, fingerprint-type spectrum data card format, refers to the pattern of pattern data, and the exchange format of the fingerprint-based fingerprint data.

This part applies to various fields of automatic fingerprint recognition.

2 Compliance

If a biometric system or algorithm satisfies the definition of the fingerprint spectrum data defined in clause 7 and the description in Chapter 8 of the data records generated by the relevant provisions, then the system or algorithm to comply with this part.

3 Normative references

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article Pieces. For undated references, the latest edition (including all modifications) applies to this document.

GB/T 17966-2000 Binary floating-point operations for microprocessor systems (idt IEC 60559. 1989) ISO/IEC 19784-1 Information technology - Biometrics application program

interface - Part 1. BioAPI specification (Information technology-Biometric application programming interface-Part 1. BioAPI specification) ISO/IEC 19785-1 Information technology - Common biometrics identification interchange format framework - Part 1. Data element specification (Information technology-Common biometric exchange formats framework-Part 1. Data element specification AINS/NIST-ITL1..2000 Standard data format for fingerprint, face, scar and tattoo information exchange (Standard data format for the interchange of fingerprint, facial,

4 Terms and definitions

The following terms and definitions apply to this document.

Biometric data

Aggregate, biometric reference, biometric, or biometric characteristics of biometric or biometric samples at any stage of treatment characteristic.

Note: Biometric data do not have to be subordinate to a particular individual, for example, a generic background model.

[GB/T 26238-2010, definition 2.2.2.2.1.1] 4.2 Biometric feature A value or mark that is extracted from a biometric sample for comparison.

Note 1: The biometric term is the output of the completed biometric item extraction.