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

GB/T 26237.8-2022

Replacing GB/T 26237.8-2014

**Information technology - Biometric data interchange formats -
Part 8: Finger pattern skeletal data**

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foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1. Structure and Drafting Rules for Standardization Documents" drafting.

This document is part 8 of GB/T 26237 "Information Technology Biometric Data Interchange Format". GB/T 26237 has

The following parts were released.

- Part 1. Framework;
- Part 2. Fingerprint detail point data;
- Part 3. Fingerprint spectral data;

- Part 4.Fingerprint image data;
- Part 5.Face image data;
- Part 6.Iris image data;
- Part 7.Signature/signature time series data;
- Part 8.Fingerprint skeleton data;
- Part 9.Vascular image data;
- Part 10.Hand contour data;
- Part 14.DNA data;
- Part 15.Palmprint image data.

This document replaces GB/T 26237.8-2014 "Information Technology Biometric Data Interchange Format - Part 8 Fingerprint-type bone

Compared with GB/T 26237.8-2014, except for structural adjustment and editorial changes, the main technical changes are as follows.

- a) Added the clarification clause of the conformity test in the scope (see Chapter 1);
 - b) Added two terms and definitions such as "skeleton" and "latent fingerprint" (see 3.1, 3.3);
 - c) Added 4 abbreviations "BDIR", "ICS", "IUT" and "UTC" (see Chapter 4);
 - d) Change the conformity requirements (see Chapter 5, Chapter 5 of the.2014 edition);
 - e) Changed the summary of the fingerprint skeleton data record format (see Table 1, Table 1 of the.2014 edition);
 - f) Replaced GB/T 26237.1-2010 with the normative referenced GB/T 26237.1-2022, and followed GB/T 1.2-2020
- changed the expression form of normative reference documents (see Chapter 2, Chapter 2 of GB/T 26237.8-2014);
- g) Delete the normative reference to GB/T 26237.1-2010 (see Chapter 3 of the.2014 edition);
 - h) Changed the calculation method of the relative vertical step of the direction code, and changed the rounding calculation to the downward rounding calculation (see 7.4.1.19,.2014 version 7.4.1.19);
 - i) Added the requirements of CBEFF format owner and format type (see Chapter 9);
 - j) Increased compliance testing method (see Appendix C).

This document is modified to adopt ISO /IEC 19794-8.2011 "Information Technology

Biometric Data Interchange Format Part 8.Refers to
Skeleton Data".

Compared with ISO /IEC 19794-8.2011, this document has more structural adjustments.
Structure number change comparison between two files

See Appendix A for a list.

Compared with ISO /IEC 19794-8.2011, this document has many technical differences.

Marked with a vertical single line (|), see Appendix B for a list of these technical differences
and their reasons.

The following editorial changes have been made to this document.

--- Change the name of the standard to "Information Technology Biometric Data
Interchange Format Part 8.Fingerprint Skeleton Data".

---Combine the technical corrigendum content of ISO /IEC 19794-8.2011/Cor.1.2012 and
ISO /IEC 19794-8.2011/Amd1.

The amendments in.2014 are included in the corresponding clauses, and vertical double
lines (||) are used in the outer margin of the changed clauses
marked.

Please note that some contents of this document may refer to patents. The issuing agency
of this document assumes no responsibility for identifying patents.

Introduction

GB/T 26237 "Information Technology Biometric Data Interchange Format" supports
interoperability between biometric applications and systems

For different biometric modes, the biometric data exchange format is specified, which is in
line with the provisions of GB/T 26237

The parties to the biometric data exchange format are able to decode each other's
biometric data to meet the requirements of biometric technology.

Complexity requirements faced when applied to various applications. GB/T 26237 is
proposed to consist of 15 parts.

--- Part 1.Framework. The purpose is to specify the general content, meaning,
representation and compliance of the biometric data format

Test Methods.

--- Part 2.Fingerprint detail point data. The purpose is to specify a data record exchange
format and compliance test for fingerprint minutiae points.

try method.

--- Part 3.Fingerprint spectral data. The purpose is to specify a data record exchange format and compliance test for fingerprint profiles

method.

--- Part 4.Fingerprint image data. The purpose is to specify a data record exchange format and compliance test for fingerprint images

method.

--- Part 5.Face image data. The purpose is to specify a data record exchange format and compliance test for face images

method.

--- Part 6.Iris image data. The purpose is to specify an iris image data record exchange format and compliance test

method.

--- Part 7.Signature/signature time series data. The purpose is to specify a data record exchange format for signature/signature data

and compliance testing methods.

--- Part 8.Fingerprint skeleton data. The purpose is to specify a fingerprint data exchange format based on the fingerprint line skeleton and conform to

sexual testing method.

--- Part 9.Vascular image data. The purpose is to specify a data record exchange format and compliance test for human blood vessel images.

try method.

--- Part 10.Hand contour data. The purpose is to specify a data record exchange format and conformity test for hand contour data.

try method.

--- Part 11.Processed signature/signature dynamic data. The purpose is to specify a type of processed signature/signature dynamic data

Data record exchange formats and compliance testing methods.

--- Part 12.Face characteristic data. The purpose is to specify a data record exchange format and compliance test for facial characteristics

method.

--- Part 13.Sound data. The purpose is to specify a voice data recording exchange format