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

GB/T 45284.4-2025

**Information technology - Extensible biometric data interchange
formats - Part 4: Finger image data
(English Translation)**

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Table of Contents

Preface	
Introduction	
1 Scope	
2 Normative references	
3 Terms and Definitions	
4 Abbreviations	
5 Compliance	
6 Modality Specific Information	
6.1 Collection Suggestions	
6.2 Image Coordinate System Considerations	
6.3 Image Representation Requirements	
7 Abstract Data Elements	
7.1 Purpose and overall structure	
7.2 Fingerimagedatablock (fingerprint image data block)	
7.3 Versionblock	
7.4 Representationblocks	
7.5 Position	
7.6 Impression	
7.7 Imagedataformat (image data format)	
7.8 Imagedata (image data)	
7.9 Capturedatetimeblock (capture date/time block)	
7.10 Capturedeviceblock (capture device block)	
7.11 Qualityblocks	
7.12 Spatialsamplingrateblock (spatial sampling rate block)	
7.13 Position computed by capture device (Position calculated by capture device)	
7.14 Original rotation	
7.15 Imagerotatedtovertical (image rotated to vertical)	
7.16 Image has been lossily compressed (image has been lossily compressed)	
7.17 Segmentationblocks	
7.18 Annotationblocks	
7.19 PADdatablock (PAD data block)	
7.20 Commentblocks	

- 7.21 Vendorspecificdatablocks (vendor-specific data blocks)
- 8 Code
 - 8.1 Signed Binary Coding
 - 8.2 XML Encoding
- 9 Registered Biometric Data Block (BDB) Format Identifier
- Appendix A (Normative) Format Specification
 - A.1 Tagged binary coded ASN.1 module
 - A.2 XML Schema Definition for XML Encoding
 - A.3 ANSI-NIST ITL Harmonized Tagged Binary Encodings with ASN.1 Module
 - A.4 ANSI-NIST ITL and XML Schema Definitions Harmonized XML Encoding
- Appendix B (Informative) Coding Example
 - B.1 Fingerprint image data ASN.1 encoding example
 - B.2 Fingerprint image data XML encoding example
 - B.3 Example of XML encoding of finger positions and footprints consistent with ANSI/NIST-ITL1 encoding
- Appendix C (Normative) Conformity test method
 - C.1 Overview
 - C.2 Conformance test assertions
- Appendix D (Normative) Acquisition Equipment Certification
 - D.1 Image quality specifications for AFIS systems
 - D.2 Image quality specifications for identity verification
 - D.3 Requirements and test procedures for optical fingerprint scanners
- Appendix E (Informative) Conditions for collecting fingerprint image data
 - E.1 Purpose
 - E.2 Two-dimensional contact fingerprint image acquisition equipment recommendation
 - E.3 Image data Recommendation
 - E.4 Fingerprint Image Acquisition Software
 - E.5 Recommended finger size for law enforcement
 - E.6 Possible references
- Appendix F (Normative) WSQ Grayscale Fingerprint Image Compression Specification
 - F.1 Requirements and guidelines
 - F.2 Mathematical Definition
 - F.3 Compressed Data Format
 - F.4 Huffman table specification
 - F.5 Parameter table typical values

References

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 4 of GB/T 45284 "Information technology - Extensible biometric identification data exchange format".

GB/T 45284 has published the following parts.

- Part 1: Framework;
- Part 4: Fingerprint image data;
- Part 5: Face image data;
- Part 6: Iris image data;
- Part 9: Vascular image data;
- Part 16: Full body image data;
- Part 17: Gait image sequence data.

This document is equivalent to ISO/IEC 39794-4:2019 "Information technology - Extensible biometric data exchange format Part 4 Part. Fingerprint Image Data.

The following minimal editorial changes were made to this document.

- Incorporate the amendments to ISO/IEC 39794:2019/AMD.1.2023, and use the outer margins of the clauses involved Vertical double lines (||) are marked.

Introduction

GB/T 45284 establishes an extensible biometric data exchange format and defines the basic rules, Common data elements and data structures, basic test methods; for different biometric recognition modalities, scalable the data element definitions, data formats, test methods, and application guidelines for typical application scenarios of the data exchange format are provided.

GB/T 45284 "Information Technology Extensible Biometric Identification Data Exchange Format" is planned to consist of 17 parts.

- Part 1: Framework. The purpose is to establish rules, guidelines, common data elements, Common data structures and compliance testing methods.

--- Part 2: Fingerprint detail point data. The purpose is to establish an extensible fingerprint detail point data record exchange format and Compliance test methods.

--- Part 3: Fingerprint data. The purpose is to establish an extensible fingerprint data record exchange format and conform to Sex testing method.

--- Part 4: Fingerprint image data. The purpose is to establish an extensible fingerprint image data record exchange format and conform to Sex testing method.

--- Part 5: Face image data. The purpose is to establish an extensible face image data record exchange format and conformity Sex testing method.

--- Part 6: Iris image data. The purpose is to establish an extensible iris image data record exchange format and conformity Sex testing method.

--- Part 7: Signature/signed time series data. The purpose is to establish an extensible signature/signed data record exchange Format and compliance testing methods.

--- Part 8: Fingerprint skeleton data. The purpose is to establish an extensible fingerprint skeleton data record exchange format and conform to Sex testing method.

--- Part 9: Vascular image data. The purpose is to establish an extensible data record exchange format for vascular image data and Compliance test methods.

--- Part 10: Hand shape profile data. The purpose is to establish an extensible hand shape profile data exchange format and conformance test method.

--- Part 11: Processed signature/signature dynamic data. The purpose is to establish an extensible processed signature/signature dynamic Dynamic data exchange format and compliance test method.

--- Part 12: Signature/signature time series data. The purpose is to establish an extensible signature/signature data exchange format and Compliance test methods.

--- Part 13: Sound data. The purpose is to establish an extensible sound data exchange format and compliance test method.

--- Part 14: DNA data. The purpose is to establish an extensible DNA data exchange format and conformance testing method.

--- Part 15: Palmprint image data. The purpose is to establish an extensible palmprint image data exchange format and conformance test method.

--- Part 16: Whole body image data. The purpose is to establish an extensible whole body image data record exchange format and conformity Test method.

--- Part 17: Gait image sequence data. The purpose is to establish an extensible data record exchange format for gait image sequences.

format and compliance test methods.