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

GB/T 26237.11-2023

**Information technology - Biometric data interchange formats -
Part 11: Signature/sign processed dynamic data**

信息技术 生物特征识别数据交换格式 第11部分：处理过的签名/签字动态数据

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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 11 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 11: Processed signature/signature dynamic data;
- Part 14: DNA data;
- Part 15: Palmprint image data: This document is modified to adopt ISO /IEC 19794-11:2013 "Information Technology Biometric Data Interchange Format Part 11: Processed Signature/Signature Dynamic Data": Compared with ISO /IEC 19794-11:2013, this document has made the following structural adjustments:

1 Scope

GB/T 26237.11-2023 is Part 11 of the Chinese series on biometric data interchange formats, and covers processed dynamic signature data. A handwritten signature captured on a pad is not an image but a time series - position, pressure and pen angle sampled through the stroke - and it is that dynamic behaviour, not the shape, that is hard to forge. Processed data means the derived features rather than the raw samples, which is what a verification system actually stores and exchanges, and what a bank or a court has to be able to read years later on different equipment. The standard sets the coordinate system, byte order and format type identifiers, the conversion relationships between formats, the signature data record with its dynamic event data and overall feature data, and the processed dynamic record format with its record headers, with an annex giving the abstract syntax for the encoding. It took effect on 1 December 2023.

This document specifies the data of processed signature/signing behavior data extracted from time series for the purpose of biometric comparison: Interchange format for data collected using devices such as tablet computers, pen-based computing devices, or advanced pen systems: The data interchange format is generic in that it can be widely used in areas involving handwritten signatures or signatures/signatures: This document does not cover Specific application requirements or characteristics: This document contains definitions of related terms, a description of the extracted data and the data format containing that data, and information about a set of user signatures: Advice on the suitability of the name/signature for identification with this document: This document also specifies the compliance test methods, test assertions and test procedures applicable to this document: This document establishes and addresses the Signature/signature dynamic data format-related test assertions (Class A Level 1 specified in GB/T 26237:1-2022), and those that may include Conformity test assertions related to the internal consistency of the numerical type contained in each field (Class A specified in GB/T 26237:1-2022 Level 2), and semantic test assertions (Class A Level 3 specified in GB/T 26237:1-2022): The compliance test methods specified in this document do not involve:

--- Conformity testing of the CBEFF structure embedded in the processed signature/signature dynamic data;

--- Testing of other characteristics of biometric products or other test types of biometric products (such as acceptance, performance, robustness sex, security testing);

--- Conformity testing of systems that do not generate data records that meet the requirements of this document: For the time stamping of stored and transmitted data and the encryption technology used to protect the authenticity, integrity and confidentiality of data, this Documentation is also appropriate; however, such provisions are outside the scope of this document: This document applies to the recording, storage and transmission of signature/signature data information in the field of biometric identification: Also suitable

for detectors Organizations, end users, and biometric vendors conduct compliance testing:

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text: Among them, dated references For documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to this document:

GB/T 26237:1-2022 Information Technology Biometric Data Interchange Format Part 1: Framework (ISO / IEC 19794-1:2011, MOD) GB/T 28826:

2 Information technology public biometric identification exchange format framework - Part 2: Biometric identification registration authority operating procedures

3 Terms, Definitions and Abbreviations 3: