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

GB/T 42132.1-2022

**Information technology - Machine readable test data for
biometric testing and reporting - Part 1: Test reports**

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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 1 of GB/T 42132 "Machine-readable test data for information technology for biometric testing and reporting".

GB/T 42132 has issued the following parts.

--- Part 1. Test report.

This document is equivalent to ISO /IEC 29120-1.2015 "Machine-readable test data for information technology for biometric testing and reporting"

According to Part 1. Test Report".

Compared with ISO /IEC 29120-1.2015, this document has made the following allowable structural adjustments.

--- Chapter 2 corresponds to Chapter 3 in ISO /IEC 29120-1.2015;

--- Chapter 3 corresponds to Chapter 4 in ISO /IEC 29120-1.2015;

--- Chapter 4 corresponds to Chapter 5 in ISO /IEC 29120-1.2015;

---Chapter 5 corresponds to Chapter 2 in ISO /IEC 29120-1.2015.

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 42132 "Machine-readable test data for biometric identification testing and reporting by information technology" is proposed to consist of 1 part.

--- Part 1. Test report. The purpose is to specify the machine-readable records used to record the output of biometric tests. GB/T 29268

The data format of the test report and the ASN.1 syntax of the test report are required.

"Machine-readable test data for biometric identification testing and reporting by information technology" stipulates the format of machine-readable data for test reports, namely

For this document, the research work on other parts has not been carried out internationally.

This document will enhance biometric test data by providing it in a usable, common and machine-readable form, aiming to provide the following.

---Product test certificate;

---The authenticity statement of the test report;

--- Ability to maintain product registration;

--- A clear mechanism for maintaining product availability and certification status;

--- Rely on the ability of the system based on the remote authentication of biometric products in the environment.

This document is not intended to replace traditional biometric test reports. In fact, since these texts are essential for complete documentation of the test

Crucially, they are therefore considered the parent of the MARC as defined in this document and are explicitly referenced in these reports.

Therefore, this document specifies the requirements and format for signed test reports and biometric datasets.

This document establishes a machine-readable record for recording the output of a biometric test, supporting some parts of GB/T 29268

Reporting requirements, mainly used to support scenario testing and technical testing. Additionally, interoperability testing can be documented through this collection of files (per one of the test component combinations). This document also includes mechanisms to protect the integrity of test reports. ensure that the receiving system can properly rely on and

Use test information (date, laboratory, certification body, test method, conformance, test

size, accuracy).

Since some parts of GB/T 29268 have developed and issued test standards, the correct implementation of the test and its recorded output

out more and more dependent. Although GB/T 29268 includes extensive disclosure and reporting requirements, they do not establish clear

Data Format. Other data about test commissioning, certification and test implementation are also valuable to the user of the test report. In addition, this article

This document will benefit users of biometric testing by improving.

- Conformity of testing standards;
- Reliability (through automation of related activities);
- Comparability of test results.

Information technology for biometric testing and reporting

Machine readable test data Part 1. Test report

1 Scope

This document specifies.

- Machine-readable records for recording biometric test output;
- The data format of the test report required by GB/T 29268;
- The ASN.1 syntax of the test report.

This document does not specify.

- require, prohibit, or otherwise specify the format of biometric samples or templates used in testing;
- Require, prohibit or otherwise specify the packaging of biometric samples or templates used in testing;
- Adjust the test indicators.

NOTE. ISO /IEC 19795-1 establishes reportable indicators on common elements involved in machine-readable test data for biometric testing and reporting

See Appendix B and Appendix C for relevant content of the test report.

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 16263.4-2015 Information Technology ASN.1 Encoding Rules Part 4.XML Encoding Rules (XER) (ISO /IEC

8825-4.2008, IDT)

ISO /IEC 8825-1.2008 Information Technology ASN.1 Encoding Rules Part 1.Basic Encoding Rules (BER), Regular Encoding

Rules(DER)-Part 1]

ISO /IEC 19785-3.2007 Information technology common biometric interchange format framework - Part 3.Entity format specification

specifications)

ISO /IEC 19795-1 Information technology biometric performance testing and reporting - Part 1.Principles and framework

work)