

ICS 35.040

CCS L 70



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

GB/T 33842.2-2017

**Information technology -- Conformance testing methodology
for biometric data interchange formats defined in GB/T 26237 --
Part 2: Finger minutiae data**

Issued on: May 31, 2017

Implemented on: December 1, 2017

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China, Standardization
Administration of the People's Republic of China**

Table of Contents

Foreword

Introduction

1 Scope

2 normative reference documents

3 terms and definitions

Foreword

GB/T 33842 "Information technology GB/T 26237 defined in the biometric data exchange format compliance test method" is divided into

Lower part.

- Part 2. Fingerprint detail data;

- Part 4. Fingerprint image data;

Part 5. Face image data.

This part is part 2 of GB/T 33842.

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

This section uses the re-drafting method for reference to ISO /IEC 29109-2..2010 "Information technology ISO /IEC 19794

Reconciliation method for data exchange format - Part 2. Fingerprint detail data "is compiled with ISO /IEC 29109-2..2010

The degree of coherence is non-equivalent.

This part of the National Information Technology Standardization Technical Committee (SAC/TC28) proposed and centralized.

This part of the drafting unit. Guangdong Baring Technology Co., Ltd., Kay (China) Technology Co., Ltd., China Electronic Technology Standardization Research Institute,

Beijing Tiancheng Shengye Technology Co., Ltd., Beijing Haixin Branch Gold High-tech Co., Ltd., Yang En University.

This part of the main drafters. Huo Hongwen, Zhang Tanghui, Jiang Qiwei, Feng Jing, Yang Chunlin, Gao Jian.

Introduction

The fingerprint detail data exchange format specified in GB/T 26237.2-2011 can be used for one or more of the data that conforms to the common biology

(CBEFF) fingerprints, which are recorded and stored in each of the detail points, each of which has a corresponding header record

Contains the metadata associated with the detail point. This part of GB/T 33842 establishes a check for the correctness of the above binary recording format

test.

The conformance of the biometric product to the specification as defined by GB/T 26237.2-2011 can be tested. Interoperability between implementations

Sexuality is achieved by compliance as necessary prerequisites. Therefore, for the GB/T 26237 part of the definition of the specific mode, it is necessary to develop and

The appropriate conformance test method, the test assertion and the testing process. The test assertion will cover the requirements of GB/T 26237

The most critical feature, so the results of the test will be reflected in the results of GB/T 26237 data exchange format records to achieve real compliance

degree. The above is the purpose of the development of this compliance test method.

This part of GB/T 33842 supports the use of fingerprint detail data that requires the use of GB/T 26237.2-2011. Headquarters

The sub-defined test method is used to confirm the conformity of the provider's application or service to GB/T 26237.2-2011. This section.

--- for compliance with GB/T 26237.2-2011 requirements based on the fingerprint point data records, the establishment of compliance test method box

The elements of the frame;

- Define the requirements and guidelines for the compliance test suite and associated test methods for the measurement of GB/T 26237.2-2011

The compliance of the products and services required for data recording based on fingerprint detail points;

- Define compliance and testing procedures before, during and after compliance testing.

This part of GB/T 33842 is applicable to the development and use of compliance test methods for records complying with GB/T 26237.2-2011

Certification test suite, and in line with GB/T 26237.2-2011 product development and use of

compliance testing procedures. This part can be

Testing organizations can also be used by test methods and test methods for developers and users.

Information technology GB/T 26237 defined in the biological

Compliance Test Method for Characteristic Data Interchange Format

Part 2. Fingerprint detail data

1 Scope

This part of GB/T 33842 specifies the character for the fingerprint detail data exchange format defined in ISO /IEC 15237-2-2011

The elements of the test method, test assertions and test procedures.

This section applies to.

Test for assertions of the structure of the fingerprint detail data in the GB/T 26237.2-2011 (corresponding to ISO /IEC 29109-1.

The level 1 of the type A defined in.2009);

- by detecting the type of value of each field in the Fingerprint Detail data format of GB/T 26237.2-2011 to determine the internal one

(Corresponding to the level 2 of type A defined in ISO /IEC 29109-1..2009);

Test for Semantic Assertions of Fingerprint Detail Data Format in GB/T 26237.2-2011 (corresponding to ISO /IEC 29109-1.

The level 3 of the type A defined in.2009).

This section does not apply to.

--- GB/T 26237.2-2011 required CBEFF structure of the compliance test;

- other characteristics of the biometric product testing or other types of testing (such as acceptance rate, performance, robustness and security, etc.);

--- does not produce compliance with GB/T 26237.2-2011 requirements of the system of compliance testing;

--- Compliance test level 3 test.

2 normative reference documents

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 26237.1-2010 Information technology - Biometrics data exchange format - Part 1. Framework (ISO /IEC

19794-1..2006, MOD)

GB/T 26237.2-2011 Information technology - Biometric data interchange format - Part 2. Fingerprint detail data (ISO /IEC

FCD19794-2..2004, NEQ)

Information technology - Biometrics terminology GB/T 26238-2010

ISO /IEC 29109-1..2009 Information technology ISO /IEC 19794 Define the conformance of the biometric data exchange format

Methodology Part 1. Principles of conformity testing methods (Information technology - Conformance testing

methodology for biometric data interchange formats defined in ISO /IEC 19794-Part 1.

Generalized

conformance testing methodology

3 terms and definitions

GB/T 26237.1-2010 and GB/T 26238-2010 The terms and definitions defined apply to this document.