

ICS 35.040

CCS L 72



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

GB/T 28826.1-2012

**Information technology -- Common biometric exchange formats
framework -- Part 1: Data element specification**

Issued on: November 5, 2012

Implemented on: February 1, 2013

**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

1 Scope	1
2 Compliance	1
3 Normative references	2
4 Terms and definitions	2
5 symbols and abbreviations	6
Requirement 6	6
Format and content of Appendix A (normative) entity format Declaration of Conformity ...	27
Conventions Appendix B (Informative Appendix) CBEFF name	29
References	30

Foreword

GB/T 28826 "IT public Biometrics Exchange Formats Framework" is divided into the following three parts.

- Part 1. Data element specification;
- Part 2. Biometric Registration Authority procedures;
- Part 3. physical format specification.

This section GB/T Part of 128,826.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses redrafted law, revise international standards ISO /IEC 19785-1.2006 "Information technology - Biometric public knowledge

Do Exchange Formats Framework - Part 1. Data element specification "and ISO /IEC 19785-1.2006/AMD1.2010" Information Technology Public

Using biometrics Exchange Formats Framework - Part 1. Data element specification "in Supplement 1.

This part of ISO /IEC 19785-1.2006 technical differences exist compared to the terms of these differences has been involved through its outer margin

Vertical single line blank position (|) were marked.

--- According to GB/T 26238-2010 "Information technology - Biometric term" in this section of the Terms and GB/T 26238-

2010 The term duplicate, using its definition GB/T 26238-2010 in; not repeated, using its ISO /

IEC 19785-1:2006 in the definition;

--- If necessary, increase the reference.

This section ISO /IEC 19785-1:2006/AMD1:2010 Information technology - Biometric public Interchange Format Frame

Part 1. Data element specification "of Supplement 1 to the corresponding provisions included in the blank position and altered the terms of the outer margin with a vertical double

Line (|) mark.

Please note that some of the content of this section may involve patents. This part of the release mechanism does not assume the responsibility to identify these patents.

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

This section is drafted. Beijing Junan Connaught Information Technology Co., China Electronics Standardization Institute, China automatic identification technology

Association, Zhejiang Bougainville biometric technology Co., Ltd., Beijing Tiancheng Sheng Technology Co., Ltd., Shanghai General Recognition Technology Research Institute.

Introduction

This section GB/T 28826 by defining biometric information recorded in the standard structure, and a collection of abstract data elements can be used

Create public and biometric data exchange format header value framework compatible biometric information recorded, to enhance the Biometrics

Interoperability between systems.

information Technology

Public Biometric Exchange Formats Framework

Part 1. Specification data element

1 Scope

GB/T 28826 in this section specifies the terms and definitions of the common framework for biometric data interchange format elements, symbols and shrink

A little language, structure, format, and conversion between formats and compliance requirements.

1.1 section defines the structure and data elements biometric information records.

1.2 part defines the concept of using the domain in order to establish compliance with the requirements of the standard or specification CBEFF applicability.

1.3 part defines the concept of physical formats, entity format is specified by the entity, in line with the requirements of CBEFF biometric information note

Format specification recorded.

1.4 part defines a set of abstract values (and associated semantics) it can be used to define the data elements CBEFF entity format of.

1.5 section details the standard raw CBEFF entity CBEFF data element definitions included in the biometric information record

Biometric identification data head of content and coding (for example, the definition of CBEFF entity format).

1.6 This section provides identification biometric information recording biometric data block format method, but the standard biometric data block

And interoperability is not within the scope of this standard. This standard provides a biometric information so that record biometric data block carry encrypted letter

Interest (security block) method, but security block structure and contents are defined by the entity responsible for CBEFF, and not within the scope of this standard; biological

Specifications Specification and biometric information recording characteristic data integrity mechanisms block encryption mechanism is not within the scope of this standard.

1.7 section details the conversion from one format to another entity CBEFF format CBEFF of different entities.

Encoding abstract values used in the 1.8 format specification CBEFF entity data element is not within the scope of this standard.

1.9 ISO /IEC 19785-2 specifies the biometric registration authority issuing biometric organization identifier and registration BDB

Format, CBEFF entity compatible format, security block format, biometric products, the acquisition means feature item extraction algorithm, alignment algorithm, quality

The amount of algorithms and compression algorithms operating procedures.

1.10 ISO /IEC 19785-3 specifies the physical format specification several ISO /IEC

JTC1SC37CBEFF entity.

1.11 privacy protection, prevent inappropriate use of biometric data and disseminate the provisions of the scope of this section, but may be the case

National regulatory management category.

2.1 a compliant entity shall meet the following criteria.

a) in accordance with this section 6.2 (a simple definition of biometric information record structure) or 6.3 (define complex biometric information record structure)

Requirements defined CBEFF entity format.

b) in the physical format specification should contain.

- 1) CBEFF entity's name, the name is artificial interpretation;
- 2) ISO /IEC 19785-2 in biometric registries decimal entity identifier assigned or hexadecimal value;
- 3) entity format name, which is artificial interpretation;
- 4) decimal format CBEFF entity entity assigned to the entity identifier format or hexadecimal value;
- 5) Complete ASN.1 object identifier of the entity format, this identifier should also mark the ASN.1 and XML format;