

## International Standard

ISO/IEC 18584-2

# Information technology — Test methods for on-card biometric comparison applications —

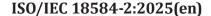
Part 2:

**Work-sharing mechanism** 

Technologies de l'information — Méthodes d'essai pour les applications de comparaison biométrique sur carte —

Partie 2: Mécanisme de partage des tâches

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#### Foreword

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This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 17, *Cards and security devices for personal identification*.

This first edition of ISO/IEC 18584-2, together with ISO ISO/IEC 18584-1, cancels and replaces ISO ISO/IEC 18584:2015.

A list of all parts in the ISO/IEC 18584 series can be found on the ISO and IEC websites.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at <a href="https://www.iso.org/members.html">www.iso.org/members.html</a> and <a href="https://www.iso.org/members.html">www.iso.org/members.html</a> and <a href="https://www.iso.org/members.html">www.iso.org/members.html</a> and

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#### Introduction

On-card biometric comparison provides a more secure biometric verification method than off-card biometric comparison, as the comparison is executed inside the integrated circuit card (ICC) and the biometric reference is never revealed outside the ICC. ISO/IEC 24787-2 specifies a set of requirements for implementing worksharing mechanism of biometric comparison inside the ICC. An ICC application that claims conformance to ISO/IEC 24787-2 fulfils a set of requirements outlined in this document. The requirements are established for on-card biometric comparison, which is in a sensor-off card device, as defined in ISO/IEC 24787-2.

### Information technology — Test methods for on-card biometric comparison applications —

#### Part 2:

#### **Work-sharing mechanism**

#### 1 Scope

This document establishes conformance testing for the requirement described in ISO/IEC 24787-2, which is:

— work-sharing on-card biometric comparison.

Measuring the performance of on-card biometric comparison algorithms such as error rates or speed is not within the scope of this document.

#### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 2382-37, Information technology — Vocabulary — Part 37: Biometrics

 $ISO/IEC\ 7816-4, Identification\ cards -- Integrated\ circuit\ cards -- Part\ 4:\ Organization,\ security\ and\ commands\ for\ interchange$ 

 $ISO/IEC\ 7816-11,\ Identification\ cards\ --\ Integrated\ circuit\ cards\ --\ Part\ 11:\ Personal\ verification\ through\ biometric\ methods$ 

ISO/IEC 24787-1:2024, Information technology — On-card biometric comparison — Part 1: General principles and specifications

ISO/IEC 24787-2:2024, Information technology — On-card biometric comparison — Part 2: Work-sharing mechanism