International Standard

ISO/IEC 24787-2

First edition
2024-06

Information technology — On-card biometric comparison —

Part 2: Work-sharing mechanism

Technologies de l'information — Comparaison biométrique sur cartes —

Partie 2: Mécanisme de partage des tâches

iTeh Standards
(https://standards.iteh.ai)
Document Preview
ISO/IEC 24787-2:2024
https://standards.iteh.ai/catalog/standards/iso/064b0682-d0c9-456a-a5b6-9ca5dcc67063/iso-iec-24787-2-2024

Reference number
ISO/IEC 24787-2:2024(en)

© ISO/IEC 2024

iTeh Standards
(https://standards.iteh.ai)
Document Preview

ISO/IEC 24787-2:2024
https://standards.iteh.ai/catalog/standards/iso/064b0682-d0c9-456a-a5b6-9ca5dcc67063/iso-iec-24787-2-2024

COPYRIGHT PROTECTED DOCUMENT

© ISO/IEC 2024

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

Foreword ..... **iv**
Introduction ..... **v**
1 Scope **1**
2 Normative references **1**
3 Terms and definitions **1**
4 Abbreviated terms **2**
5 Conformance **2**
6 Work-sharing on-card biometric comparison procedure **2**
Bibliography **4**

iTeh Standards
(https://standards.iteh.ai)
Document Preview

ISO/IEC 24787-2:2024
https://standards.iteh.ai/catalog/standards/iso/064b0682-d0c9-456a-a5b6-9ca5dcc67063/iso-iec-24787-2-2024

© ISO/IEC 2024 – All rights reserved

Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives or www.iec.ch/members_experts/refdocs).

ISO and IEC draw attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO and IEC take no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO and IEC had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents and https://patents.iec.ch. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html. In the IEC, see www.iec.ch/understanding-standards.

iTeh Standards
(https://standards.iteh.ai)
Document Preview

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 cancels and replaces ISO/IEC 24787:2018, which has been technically revised. ISO/IEC 24787 has been split into two parts, ISO/IEC 24787-1 and ISO/IEC 24787-2.

https://standards.iteh.ai/catalog/standards/iso/064b0682-d0c9-456a-a5b6-9ca5dcc67063/iso-iec-24787-2-2024

The main changes are as follows:

— Previous Clause 9 “Work-sharing on-card biometric comparison procedure” and other subclauses related to work-sharing have been moved into this document.

A list of all parts in the ISO/IEC 24787 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 www.iso.org/members.html and www.iec.ch/national-committees.

© ISO/IEC 2024 – All rights reserved

Introduction

On-card biometric comparison provides a more secure biometric verification method than one where a biometric comparison is carried out outside a secure cryptographic device. Storing biometric reference data in a secure integrated circuit card (ICC) means that the reference is not available at any external interface once it has been stored in the ICC, mitigating the risk of extraction and misuse by an unauthorized party.

ISO/IEC 7816-11 and ISO/IEC 19785-3 cover technologies for off-card and simple on-card biometric comparison. The ISO/IEC 17839 series covers biometric system-on-card.

iTeh Standards
(https://standards.iteh.ai)
Document Preview

ISO/IEC 24787-2:2024
https://standards.iteh.ai/catalog/standards/iso/064b0682-d0c9-456a-a5b6-9ca5dcc67063/iso-iec-24787-2-2024

© ISO/IEC 2024 – All rights reserved

iTeh Standards
(https://standards.iteh.ai)
Document Preview

ISO/IEC 24787-2:2024
https://standards.iteh.ai/catalog/standards/iso/064b0682-d0c9-456a-a5b6-9ca5dcc67063/iso-iec-24787-2-2024