INTERNATIONAL STANDARD



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Cards and security devices for personal identification — Contactless vicinity objects —

Part 1: **Physical characteristics**

Cartes et dispositifs de sécurité pour l'identification personnelle — Objets sans contact de voisinage — Partie 1: Caractéristiques physiques

Document Preview

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Foreword

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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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see <u>/www.iso.org/patents</u>).

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

For an explanation on 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 the following URL: www.iso.org/iso/foreword.html.

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

This third edition cancels and replaces the second edition (ISO/IEC 15693-1:2010), which has been technically revised.

The main changes from the previous edition are:

- It incorporates changes to <u>subclauses 3.2</u>, <u>3.3</u> and <u>3.5</u> to bring the vicinity card into line with the proximity card;
- <u>Annex B</u> has been amended to remove the mandated positions of access control card slot holes.

A list of all the parts in the ISO 15693 series can be found on the ISO website.

Introduction

Contactless card standards encompass a variety of types as embodied in the ISO/IEC 10536 series (close-coupled cards), the ISO/IEC 14443 series (proximity cards) and the ISO/IEC 15693 series (vicinity cards). These device types are intended, respectively, for operation when very near, nearby and at a longer distance from associated coupling devices.

The ISO/IEC 15693 series defines the technology-specific requirements for identification cards conforming to ISO/IEC 7810 and thin flexible cards conforming to ISO/IEC 15457-1, and the use of such cards to facilitate international interchange. However, it also recognizes that the technology offers the possibility that vicinity objects be provided in forms other than that of the International Standard card formats. Furthermore, it does not preclude the incorporation of other standard technologies on the card, such as those referenced in the Bibliography.

The ISO/IEC 15693 series accommodates the operation of vicinity cards in the presence of other contactless cards conforming to the ISO/IEC 10536 series and the ISO/IEC 14443 series.

This document does not preclude the application to the vicinity card (VICC) of other existing card technology standards, such as those listed in the Bibliography.

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