INTERNATIONAL STANDARD

ISO/IEC 11694-5

Second edition
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Identification cards — Optical memory cards — Linear recording method —

Part 5:
Data format for information interchange for applications using ISO/IEC 11694-4

Cartes d'identification — Cartes à mémoire optique — Méthode d'enregistrement linéaire —

Partie 5: Format de données pour l'échange d'informations pour les applications utilisant l'ISO/IEC 11694-4

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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 ISO documents 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).

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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 meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/IEC JTC1, *Information technology*, Subcommittee SC 17, *Cards and personal identification*.

This second edition cancels and replaces the first edition (ISO/IEC 11694-5:2006), which has been technically revised.

ISO/IEC 11694 consists of the following parts, under the general title *Identification cards — Optical memory cards — Linear recording method*:

— *Part 1: Physical characteristics*

— *Part 2: Dimensions and location of the accessible optical area*

— *Part 3: Optical properties and characteristics*

— *Part 4: Logical data structures*

— *Part 5: Data format for information interchange for applications using* ISO/IEC 11694-4

— *Part 6: Use of biometrics on an optical memory card*

Introduction

This part of ISO/IEC 11694 is one of a series of International Standards defining the parameters for optical memory cards and the use of such cards for the storage and interchange of digital data.

This part of ISO/IEC 11694 is specific to optical memory cards using the linear recording method. Characteristics which apply to other specific recording methods shall be found in separate International Standards.

This part of ISO/IEC 11694 defines a logical structure to facilitate the interchange of data written to optical memory cards using the linear recording method.

All numbers in this part of ISO/IEC 11694 are written in decimal notation unless otherwise specified.

All multi-byte numbers in this part of ISO/IEC 11694 are placed in their respective data structures and written to the media in "little-endian" format. This format puts the least significant byte of the number first, followed by the more significant byte(s).

All examples that show hexadecimal values corresponding to displayed characters use the ASCII character set. Characters written to cards according to this specification can use any desired character set, as long as the character set is specified in the corresponding tag document.

Identification cards — Optical memory cards — Linear recording method —

Part 5:
Data format for information interchange for applications using ISO/IEC 11694-4

1 Scope

This part of ISO/IEC 11694 defines the data format for optical memory cards necessary to allow compatibility and interchange between systems using the linear recording method.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 11694-4, *Identification cards — Optical memory cards — Linear recording method — Part 4: Logical data structures*