| INCITS/ISO/IEC 11694-5:2006[2011] (ISO/IEC 11694-5:2006, IDT)

Identification cards - Optical memory cards - Linear recording method - Part 5: Data format for information interchange for applications using ISO/IEC 11694-4, Annex B

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INCITS/ISO/IEC 11694-5:2006[2011]

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 ${\bf Adopted\ by\ INCITS\ (InterNational\ Committee\ for\ Information\ Technology\ Standards)\ as\ an\ American\ National\ Standard.}$

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Identification cards — Optical memory cards

Part 5:

Data format for information interchange for applications using ISO/IEC 11694-4, Annex B

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/CEI 11694-4, Annexe B



ISO/IEC 11694-5:2006(E)

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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. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

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.

ISO/IEC 11694-5 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 17, *Cards and personal indentification*.

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, Annex B
- Part 6: Use of biometrics on an optical memory card

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Introduction

This part of ISO/IEC 11694 is one of a series of standards specifying 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 are found in separate standards documents.

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.