INTERNATIONAL STANDARD

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Identification cards — Optical memory cards — Holographic recording method —

Part 2: Dimensions and location of accessible optical area

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

Partie 2: Dimensions et emplacement de la zone optique accessible

Reference number
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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.

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).

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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 JTC 1, *Information technology*, SC 17, *Cards and personal identification.*

This second edition cancels and replaces the first edition (ISO/IEC 11695-1:2008), which has been technically revised.

ISO/IEC 11695 consists of the following parts, under the general title *Identification cards — Optical memory cards — Holographic recording method*:

— *Part 1: Physical characteristics*

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

— *Part 3: Optical properties and characteristics*

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Introduction

This part of ISO/IEC 11695 is one of a series of International Standards defining the parameters for optical holographic memory cards and the use of such cards for the storage and interchange of digital data.

These International Standards recognize the existence of different methods for recording and reading information on optical memory cards, the characteristics of which are specific to the recording method employed. In general, these different recording methods will not be compatible with each other. Therefore, the standards are structured to accommodate the inclusion of existing and future recording methods in a consistent manner.

This part of ISO/IEC 11695 is specific to optical memory cards using the holographic recording method. Characteristics which apply to other specific recording methods are found in separate standards documents.

This part of ISO/IEC 11695 defines the dimensions and location of accessible optical area and the extent of compliance with, addition to, and/or deviation from the relevant base document, ISO/IEC 11693-1.

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Identification cards — Optical memory cards — Holographic recording method —

Part 2: Dimensions and location of accessible optical area

1 Scope

This part of ISO/IEC 11695 defines the dimensions and location of the accessible optical area of optical memory cards using the holographic 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 11693-1, *Identification cards — Optical memory cards — Part 1: General characteristics*

ISO/IEC 11695-1, *Identification cards — Optical memory cards – Holographic recording method – Part 1: Physical characteristics*

ISO/IEC 11695-3, *Identification cards — Optical memory cards — Holographic recording method — Part 3: Optical properties and characteristics*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO/IEC 11695-1, ISO/IEC 11695-3, and the following apply.

3.1
reference hologram
hologram located at a defined position on the accessible optical area of the holographic memory card, containing information concerning the location and content of further holograms on the card

3.2
track
line running parallel to the longer reference edge of the card providing orientation for the storage of multiple holograms

3.3
reference track
track containing the reference hologram

4 Dimensions and location

ISO/IEC 11695 part 2 applies to cards with a specified accessible optical area.

4.1 Accessible optical area

The dimensions and location of the specified accessible optical area shall be as shown in Figure 1.

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