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**Identification cards — Optical  
memory cards — Holographic  
recording method —**

Part 3:  
**Optical properties and characteristics**

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

*Partie 3: Propriétés et caractéristiques optiques*





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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](http://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 [www.iso.org/patents](http://www.iso.org/patents)).

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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 World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

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 11695-3:2008), which has been technically revised.

A list of all the parts in the ISO/IEC 11695 series can be found on the ISO website.

## Introduction

This document is one of a series of standards describing the parameters for optical holographic memory cards and the use of such cards for the storage and interchange of digital data.

The 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 document is specific to optical memory cards using the holographic recording method. Characteristics which apply to other specific recording methods are found in separate standards.

This document defines the optical properties and characteristics and the extent of compliance with, addition to, and/or deviation from the relevant base document, ISO/IEC 11693.

# Identification cards — Optical memory cards — Holographic recording method —

## Part 3: Optical properties and characteristics

### 1 Scope

This document specifies the optical properties and characteristics of optical memory cards using the holographic recording method.

### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 10373-9, *Identification cards — Test methods — Part 9: Optical memory cards — Holographic recording method*

ISO/IEC 11693-1, *Identification cards — Optical memory cards — Part 1: General characteristics*