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Personal identification — ISO-compliant driving licence —

Part 2: Machine-readable technologies

Identification des personnes — Permis de conduire conforme à l'ISO —
Partie 2: Technologies lisibles par une machine

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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.

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 of 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 www.iso.org/iso/foreword.html.

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

This second edition cancels and replaces the first edition (ISO/IEC 18013-2:2008), which has been technically revised. It also incorporates the Technical Corrigendum ISO/IEC 18013-2:2008/Cor 1:2011.

The main changes compared to the previous edition are as follows:

— following the revision of ISO/IEC 18013-3 and ISO/IEC 18013-1, magnetic stripe and optical memory machine-readable technologies are no longer supported by this document;

— the vehicle categories in respect of which driving licence may be issued have been updated to incorporate the contemplated amendments to the UN Conventions;

— the restrictions which may be applicable to a driving licence have been updated.

A list of all parts in the ISO/IEC 18013 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

ISO/IEC 18013 (all parts) establishes guidelines for the design format and data content of an ISO-compliant driving licence (IDL) with regard to human-readable features (ISO/IEC 18013-1), ISO machine-readable technologies (ISO/IEC 18013-2), and access control, authentication and integrity validation (ISO/IEC 18013-3). It creates a common basis for international use and mutual recognition of the IDL without impeding individual countries/states in applying their privacy rules and national/community/regional motor vehicle authorities in taking care of their specific needs.

This document prescribes requirements for the implementation of machine-readable technology on an IDL.

One of the functions of an IDL is to facilitate international interchange. Storing IDL data in a machine-readable form supports this function by speeding up data input and eliminating transcription errors. Consequently, the automation and productivity of traffic law enforcement and other traffic safety processes can be improved.

This document allows issuing authorities to customise machine-readable data for domestic use. Apart from international interchange, the use of an IDL as a domestic driving licence thus provides for domestic standardisation and creates a domestic infrastructure capable of processing IDLs issued by other issuing authorities.

Provision is made for issuing authorities to validate the authenticity and integrity of the mandatory and optional data. In addition, the option of protecting access to optional data (beyond basic access protection) is provided for. The exact mechanism used to achieve such protection (e.g. encryption and/or additional access control) is specified in ISO/IEC 18013-3.