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Personal identification — ISO-compliant driving licence —

Part 4: Test methods

Identification des personnes — Permis de conduire conforme à l'ISO —
Partie 4: Méthodes d'essai

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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 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 Joint 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 18013-4:2011), which has been technically revised. It also incorporates the Technical Corrigendum ISO/IEC 18013-4:2011/Cor 1:2013.

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

— in the interest of interoperability of cards used for personal identification, the authentication protocols for the IDL are simplified; Active Authentication is harmonised with other ISO standards and thus BAP configurations 2, 3 and 4, as well as EAP are no longer supported by this document;

— replacing EAP, the optional EACv1 protocol is defined for the IDL, enabling access control to sensitive biometric data stored on an integrated circuit; EACv1 may be used in conjunction with either BAP configuration 1 or PACE;

— the optional PACE protocol enables access control to the data stored on an integrated circuit. The PACE protocol is a password authenticated Diffie Hellman key agreement protocol based on a (short) input string that provides secure communication between a secure integrated circuit on an IDL and a terminal and allows various implementation options (mappings, input strings, algorithms); the PACE protocol implementation for the IDL is restricted to Elliptic Curve Diffie Hellman (ECDH) generic mapping and can be used as a stand-alone protocol or in combination with the EACv1 protocol.

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

The ISO/IEC 18013 series 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), 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 to apply their privacy rules and national/community/regional motor vehicle authorities in taking care of their specific needs.

This document prescribes requirements for testing of the compliance of the machine-readable data content and mechanisms to control access to data recorded in the machine-readable technology on an IDL with the requirements of ISO/IEC 18013-2 and ISO/IEC 18013-3 respectively.