

Technical Specification

ISO/IEC TS 18013-7

Personal identification — ISO-compliant driving licence —

Part 7:

Mobile driving licence (mDL) addon functions

Identification des personnes — Permis de conduire conforme à l'ISO —

Partie 7: Fonctionnalités supplémentaires pour permis de conduire sur téléphone mobile

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Foreword

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

A list of all parts in the ISO 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 and www.iso.org/members.html and www.iso.org/members.html

Introduction

ISO/IEC 18013-5 describes interface and related requirements to facilitate ISO-compliant driving licence functionality on a mobile device, standardizing the mobile driving licence (mDL) functionality.

This document augments the capabilities of the mDL by describing the interface and related requirements for presentation to a mDL reader over the internet.

A mobile document conforming to this document primarily conveys the driving privileges associated with a person. However, the transaction and security mechanisms in this document have been designed to support other types of mobile documents, specifically including identification documents.

NOTE ISO/IEC 18013-5 places the onus on the mDL verifier to match data received (in an mdoc) to the person presenting the mdoc. This version of this document does not change this.

Personal identification — ISO-compliant driving licence —

Part 7:

Mobile driving licence (mDL) add-on functions

1 Scope

This document augments the capabilities of the mobile driving licence (mDL) standardized in ISO/IEC 18013-5 with the following additional functionality:

presentation of a mobile driving licence to a reader over the internet.

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 18013-5, Personal identification — ISO-compliant driving licence — Part 5: Mobile driving licence (mDL) application

RFC 4648, S. Josefsson, The Base16, Base32, and Base64 Data Encodings

RFC 5280, D. Cooper et al., Internet X.509 Public Key Infrastructure Certificate and Certificate Revocation List (CRL) Profile

RFC 9101, N. Sakimura, The OAuth 2.0 Authorization Framework: JWT-Secured Authorization Request (JAR

RFC 9112, R. Fielding et al., HTTP/1.1

OID4VP (OpenID for Verifiable Presentations), O. Terbu et al., Draft 18, April 2023