FINAL DRAFT
Technical Specification

ISO/IEC DTS 18013-6

Personal identification — ISO-compliant driving licence —

Part 6: mDL test methods

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

Partie 6: Méthodes d'essai relatives au permis de conduire sur téléphone mobile

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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 or www.iec.ch/members_experts/refdocs).

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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*.

This second edition cancels and replaces the first edition (ISO/IEC TS 18013-6:2024), which has been technically revised.

The main changes are as follows:

— updated test cases specified in all appendices;

— updated ICS statements in Annex B according to updated test cases.

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

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.iec.ch/national-committees.

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), ISO machine-readable technologies (ISO/IEC 18013-2), access control, authentication and integrity validation (ISO/IEC 18013-3), associated test methods (ISO/IEC 18013-4) and interface and related requirements to facilitate ISO-compliant driving licence (IDL) functionality on a mobile device (ISO/IEC 18013-5). 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.

ISO/IEC 18013-5 establishes interface specifications for the implementation of a driving licence in association with a mobile device. It specifies the interface between the mobile driving licence (mDL) and mDL reader and the interface between the mDL reader and the issuing authority infrastructure.

This document gives requirements for testing of the compliance of the data model, device engagement, data transfer and security mechanisms on a mobile driving application with the requirements of ISO/IEC 18013-5.

Personal identification — ISO-compliant driving licence —

Part 6: mDL test methods

1 Scope

This document specifies test methods for testing conformity of a mobile driving licence (mDL) or an mDL reader to ISO/IEC 18013-5. This document specifies test methods for:

— mDL on its interface to an mDL reader;

— mDL reader on its interface to an mDL;

— mDL reader on its (optional) interface to an issuing authority infrastructure.

Test cases for an issuing authority infrastructure on its interface to an mDL reader are not included in this document.

Test cases for the use of OIDC by an mDL reader on its interface to an issuing authority infrastructure are not included in this document. This document only provides test cases for the use of WebAPI on this interface.

This document only addresses the functional behaviour of an implementation under test (IUT) on its interface(s) in scope. It does not address:

— the internal implementation of an IUT, such as a secure area in an mDL;

— any functional requirements to an IUT not specified in ISO/IEC 18013-5, for example, requirements of a particular issuing authority;

— non-functional aspects of the IUT, nor IUT interfaces not listed above, such as the interface from an issuing authority infrastructure to an mDL, used to provision mDL data.

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 9646 (all parts), *Information technology — Open Systems Interconnection — Conformance testing methodology and framework*

ISO/IEC 18013-5:2021, *Personal identification — ISO-compliant driving licence — Part 5: Mobile driving licence (mDL) application*

Bluetooth, *Bluetooth Core Specification, Version 5.2*

Bluetooth, *Supplement to the Bluetooth Core Specification, Version 9*

NFC Forum, *Connection Handover Technical Specification, Version 1.5,* 2020

Wi-Fi Alliance, *Neighbor Awareness Networking Specification, Version 3.1*