Technical Specification

ISO/IEC TS 7367-2

Personal identification — mdoc schemas —

Part 2: Mobile vehicle certificate

Identification personnelle — Schémas mdoc —

Partie 2: Certificat mobile pour les véhicules

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

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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/IEC 7367 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.

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Introduction

This document is part of the ISO/IEC 7367 series which specifies mdoc schemas. An mdoc can be held on a mobile device and can be verified by a verifier using a reader device with mechanisms specified in ISO/IEC 18013-5, ISO/IEC TS 18013-7 and ISO/IEC TS 23220-4.

This document specifies the data structure of a mobile Vehicle Certificate.

An mVC serves two core functions:

a) Confirmation of vehicle register data

   It serves as confirmation of information recorded in the issuing authority's vehicle register for a specific vehicle. This can include details about the vehicle's user or holder, the owner or titleholder, and unique identifiers such as configuration and technical specifications.

b) Confirmation of conformity with issuance requirements

   It confirms that the vehicle meets any conditions set by the issuing authority for the issuance of an mVC. Typical requirements can include:

   1) payment of vehicle-related taxes;

   2) fulfilment of annual roadworthiness inspections;

   3) proof of valid insurance coverage.

In addition to its role as a confirmation document, an mVC can support enforcement of vehicle-related regulations, particularly in roadside environments, by providing data relevant to the authorization to operate a vehicle. Examples include:

— restricting road access to vehicles with specific attributes;

— verifying the identity of the authorized vehicle user.

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Personal identification — mdoc schemas —

Part 2:
Mobile vehicle certificate

1 Scope

This document provides the logical data structure of a mobile Vehicle Certificate (mVC) in conformity with ISO/IEC TS 23220-2 that serves as a confirmation of vehicle register data and confirmation of conformity with issuance requirements.

Other documents related to vehicle administration, such as a document that proves ownership of a vehicle and is designed to be used for ownership transfer, are out of scope of this document.

2 Normative references

The following referenced documents are indispensable for the application 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 3166-1, *Codes for the representation of names of countries and their subdivisions — Part 1: Country code*

ISO 3166-2, *Codes for the representation of names of countries and their subdivisions — Part 2: Country subdivision code*

ISO 3779, *Road vehicles — Vehicle identification number (VIN) — Content and structure*

ISO/IEC TS 23220-2, *Cards and security devices for personal identification — Building blocks for identity management via mobile devices — Part 2: Data objects and encoding rules for generic eID systems*

RFC 3339, *Date and Time on the Internet: Timestamps*

RFC 8943, *Concise Binary Object Representation (CBOR) Tags for Date*

UNITED NATIONS. *Convention on Road Traffic*. Consolidated version including amendments entered into force on 28 March 2006. Vienna, 8 November 1968. United Nations Treaty Series, vol. 1091, no. 15810. [online]. Available at: https://unece.org/fileadmin/DAM/trans/conventn/Conv_road_traffic_EN.pdf

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

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