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International Standard

ISO/IEC 22460-2

First edition
2024-04

Cards and security devices for personal identification — ISO UAS license and drone/UAS security module —

Part 2: Drone/UAS security module

Cartes et dispositifs de sécurité pour l'identification des personnes — Permis ISO de systèmes d'aéronefs sans équipage à bord et module de sécurité de drone/système d'aéronefs sans équipage à bord —

Partie 2: Module de sécurité de drone/système d'aéronefs sans équipage à bord

Reference number
ISO/IEC 22460-2:2024(en)

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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 22460 series can be found on the ISO and IEC websites.

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Introduction

The ISO/IEC 22460 series consists of the following parts, under the general title *Cards and security devices for personal identification — UAS license and drone/UAS security module*:

— Part 1[1)]: *Physical characteristics and basic data sets for UAS licence*. Part 1 describes the basic terms for the ISO/IEC 22460 series, including physical characteristics, basic data element set, visual layout, and physical security features.

— Part 2 (this document): *Drone/UAS security module*. This document describes data and cryptographic functions of the drone/UAS security module. The drone security module does not limit the types of data contained in this module and the cryptographic functions it provides.

— Part 3[2)]: *Logical data structure, access control, authentication and integrity validation for drone license*. Part 3 describes guidelines for the design format and data content of a UAS license with regard to logical data structure, access control, authentication and integrity validation.

1) Under development. Stage at the time of publication: ISO/IEC DIS 22460-1:2023.

2) Under development. Stage at the time of publication: ISO/IEC AWI 22460-3:2024.

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Cards and security devices for personal identification — ISO UAS license and drone/UAS security module —

Part 2:
Drone/UAS security module

1 Scope

This document specifies cryptographic functions of the drone/unmanned aircraft system (UAS) security module. The drone/UAS security module is a security device that serves as a container for the drone/UAS pilot license, drone/UAS operator license, and other personal identification. It provides storage space for storing optional elements and has the capability of cryptographic functions including integrity validation, authentication and data encryption.

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 21384-4, *Unmanned aircraft systems — Part 4: Vocabulary*

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