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ICS 49.020
CCS V36

HB

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

HB 8736-2023

General requirements for civil vertical takeoff and landing fixed-wing unmanned aerial vehicle systems

民用垂直起降固定翼无人机系统通用要求

(English Translation)

Issued on: December 20, 2023 **Implemented on: July 1, 2024**

Issued by: Ministry of Industry and Information Technology of the People's Republic of China

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1 Foreword

HB 8736-2023 was issued by Ministry of Industry and Information Technology of the People's Republic of China on 20 December 2023 and has been in force since 1 July 2024.

The HB prefix, without a suffix, marks a mandatory standard: within its scope, compliance is required.

The document runs to 15 pages in English translation.

2 Scope Preview

This document specifies construction, classification, functions, performance and test for verification requirements for civil vertical take-off and landing (VTOL) fixed-wing unmanned aircraft systems (UAS). This document applies to civil vertical take-off and landing fixed-wing unmanned aircraft systems (hereinafter referred to as "VTOL UASs") with a maximum take-off weight not greater than 150kg, and may apply to other types of UASs as a reference.

HB 8736-2023 falls under ICS 49.020, in the field of aircraft and space vehicle engineering.

This catalogue holds 64 other HB standards in that field.

In this catalogue, HB standards carry edition years from 2012 to 2025.

3 Normative references

GB/T 38152 - Terminology for unmanned aircraft system

GB/T 38909 - Electromagnetic compatibility requirements and test methods for civil small and light unmanned aircraft system

GB/T 38924

GB/T 38930 - Requirements and test methods of the capability of wind resistance for civil small and light unmanned aircraft system

HB 7809 - General technical requirements of propeller for aircraft

HB 8566 - General requirements for multi-rotor of unmanned aircraft system

HB 8591 - General requirements for light and small fix-wing unmanned aircraft system

4 About this standard

Sector: Aviation Industry Standard

Issued by: Ministry of Industry and Information Technology of the People's Republic of China

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English translation: about 15 pages (approximate)

5 Related standards

Standards on related subjects:

GB 42590-2023 - Safety requirements for civil unmanned aircraft system

HB 8737-2023 - Autonomous control level requirements for civil unmanned aerial vehicle systems

HB 8734-2023 - General requirements for cabin-type ground control stations for civilian light and small fixed-wing unmanned aerial vehicle systems

HB 8733-2023 - Horizontal measurement method for small and medium-sized fixed-wing UAVs

6 Classification and status

International classification (ICS): 49.020

Chinese Standard Classification (CCS): V 36

Prefix HB: mandatory standard.

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