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ICS 49.060
CCS V40

HB

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

HB 8742-2023

General requirements for simulated loads on aircraft electrical systems

飞机电气系统模拟负载通用要求

(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 8742-2023 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 standard specifies the general requirements for constant-frequency AC analog loads, variable-frequency AC analog loads, high-voltage DC analog loads, and low-voltage DC analog loads for aircraft electrical systems. This standard is applicable to AC constant frequency, AC variable frequency, high voltage DC, and low voltage DC simulation load boxes for aircraft ground or airborne testing. It is used to simulate the comprehensive electrical characteristics of the aircraft AC/DC power supply system load and consume the power supply system.

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HB 8742-2023 falls under ICS 49.060, 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 About this standard

Sector: Aviation Industry Standard

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

English translation: about 15 pages (approximate)

4 Related standards

Standards on related subjects:

HB 8753-2023 - General specification for aircraft rod-end self-lubricating spherical plain bearings

5 Classification and status

International classification (ICS): 49.060

Chinese Standard Classification (CCS): V 40

Prefix HB: mandatory standard.

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