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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

HB 8644-2022

Design requirements for airborne electronic hardware of civil aircraft

民用飞机机载电子硬件设计要求

(English Translation)

Issued on: April 8, 2022 **Implemented on: October 1, 2022**

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

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1 Foreword

HB 8644-2022 was issued by Ministry of Industry and Information Technology of the People's Republic of China on 8 April 2022 and has been in force since 1 October 2022.

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 functions, performance, cabinet installation and verification of comprehensive modular avionics hardware modules for civil aircraft. This standard does not specify the functions performed by the hardware module on the aircraft. This standard is applicable to airborne electronic equipment using comprehensive modular avionics standard hardware modules (including each component of the hardware module as well as driver software for module identification and loading software for loading application software). It is not suitable for transmitting radio frequency

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signals. and other airborne electronic equipment. When a hardware module that meets the requirements of this standard is loaded with application software, it should meet all functional requirements specified by TSO airworthiness certification for other functions.

HB 8644-2022 carries no ICS number and no Chinese Standard Classification code.

This catalogue holds 171 other HB standards.

Of the 65 HB standards that do carry an ICS number, 65 (100%) fall under ICS 49, in the field of aircraft and space vehicle engineering.

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:

JB 2293-1978 - Wind tunnel test method of radiator of automobile and tractor

5 Classification and status

Prefix HB: mandatory standard.

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