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**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

MH/T 6011-2015

Replacing MH/T 6011-1999

**Signs
(English Translation)**

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces MH/T 6011-1999 "Glide Guide Signs". Compared with MH/T 6011-1999, the main technical changes are as follows.

- The name of the standard has been revised from the original "Glide Guide Sign" to "Sign";
- Modified the requirements for basic structural components (see 4.1.1; 4.2, 4.15 in the 1999 edition);
- Modified the material and tension requirements of the rope on the installation pillar (see 4.1.2; 4.4 in the 1999 edition);
- Modified the width of the letters or numbers and the gaps between the letters or numbers in the card surface and text symbols (see 4.1.6.7; 4.5 Table 5 ~ Table 7 of the 1999 edition);
- Increased the type of wind resistance (see 3.1.6);
- The requirements for wind resistance have been revised (see 4.1.8; 4.1b in the 1999 edition);
- Modified the requirements for moisture resistance (see 4.1.9; 4.10 of the 1999 edition);

- Added the requirements for the structure of illuminated signs (see 4.2.1);
- Modified the requirements for the power mode of illuminated signs (see 4.2.2; 4.6 in the 1999 edition);
- Modified the requirements for power leads with illuminated signs (see 4.2.3; 4.7 in 1999 edition);
- Added the requirements for electrical material components with illuminated signs (see 4.2.4);
- Increased the requirements for anti-surge with illuminated signs (see 4.2.5);
- Increased the requirements for anti-electromagnetic interference with illuminated signs (see 4.2.6);
- The requirements for creepage distance and electrical clearance for illuminated signs have been revised (see 4.2.7; 4.8 in 1999 edition);
- Modified the electrical insulation requirements for illuminated signs (see 4.2.8; 4.9 in the 1999 edition);
- Modified the requirements for the chromaticity factor of illuminated signs (see 4.2.9; 4.13 in the 1999 edition);
- Modify the requirements for the brightness of illuminated signs and increase the requirements for brightness retention (see 4.2.10; 4.13 in the 1999 edition);
- Added the requirements for the power and power factor of illuminated signs (see 4.2.11);
- Increase the power consumption requirements of illuminated sign units (see 4.2.12);
- Modified the requirements for the protection level of the enclosure with illuminated signs (see 4.2.13; 4.14 in the 1999 edition);
- Added the requirements for mounting brackets for non-illuminated signs (see 4.3.2);
- Added the requirements for the face and characters of the non-illuminated sign (see 4.3.3).

This standard was proposed and interpreted by the Airport Department of the Civil Aviation Administration of China.

This standard was approved by the Aircraft Airworthiness Certification Department of the Civil Aviation Administration of China.

This standard is under the jurisdiction of the China Academy of Civil Aviation Science and Technology.

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Sign board

1 Scope

This standard specifies the technical requirements, test methods, inspection rules and requirements for nameplates, instructions, packaging, transportation, and storage of sign plates.

This standard applies to the design, manufacture and inspection of signboards.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this article Pieces. For undated references, the latest version (including all amendments) applies to this document.

GB/T 2423.17 Environmental testing of electrical and electronic products Part 2: Test method Test Ka. Salt spray (IEC 60068-2-11:1981, IDT) GB/T 6113.201 Radio disturbance and immunity measurement equipment and measurement method specification Part 2-1.Radio disturbance and immunity measurement Conduction disturbance measurement GB 7000.1-2007 Lamps Part 1: General requirements and tests (IEC 60598-1.:2003, IDT) GB 9254 Information Technology Equipment Radio Disturbance Limits and Measurement Methods GB/T 9969 General Rules for the Use of Industrial Products GB/T 14436 General Rules of Guarantee Documents for Industrial Products GB/T 17626.5 Electromagnetic compatibility test and measurement technology surge (impact) immunity test GJB 150.3 Military equipment environmental test method high temperature test GJB 150.7 Environmental test method for military equipment solar radiation test MH 5001 Civil Airport Flight Area Technical Standard MH/T 6009 Navigation aid lighting cable plug and socket

3.1 Classification

3.1.1

Markers are divided into functions.

3.1.2

The signs are divided into the following according to the height of the words on the board.

--Number 1. The height of the text is 200 mm, and the minimum height of the corresponding characters is 400 mm;

--No. 2. The height of the text is 300 mm, and the minimum height of the corresponding characters is 600 mm;

--No. 3. The character height is 400 mm, and the minimum height of the corresponding character plate is 800 mm.

3.1.3

The signs are divided into the following power supply modes.

--M type. powered by 220 V AC power supply;

--S type. powered by 2.8 A~6.6 A series light circuit;

--O style. no illuminated signs.

3.1.4

The signs are divided into the following brightness according to the brightness of the signs.

--H. high brightness;

--L. Low brightness.

3.1.5

According to the applicable ambient temperature, the signs are divided into.

--E category. can operate in the temperature range of -20 °C~55 °C;

--D category. can operate in the temperature range of -55 °C~55 °C.

3.1.6

The signs are divided into.

--I. Can withstand wind speed of 240 km/h;

--II. Can withstand wind speed of 322 km/h;

--III. Can withstand wind speed of 480 km/h.

Note: III Only applicable when the jet of the aircraft engine continuously poses a safety hazard to the location of the sign.

3.2 Naming

Refer to Figure 1 for the naming method of the signs.