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

MH/T 6014-2018

Replacing MH/T 6014-1999

**Plane water truck
(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 6014-1999 "Aircraft Clean Water Truck". Compared with MH/T 6014-1999, the main changes are as follows.

- Modified the technical requirements of axle load (see 3.1.12, 1999 edition 4.1.5);
- Increased the technical requirements for the height of the water tanker entering the lower part of the aircraft's belly (see 3.1.11);
- Modified the technical requirements of lighting and signal devices (see 3.1.13, 1999 edition 4.1.13);
- Added the technical requirements for cleaning the water-filling connector collection tank (see 3.1.14);
- Added safety requirements (see 3.2);
- Modified the maneuverability requirements of clean water vehicles (see 3.3, 1999 edition 4.1.4);
- Modified the technical requirements for the pressure of the water supply system (see 3.4.2.2, 1999 edition 4.3.2.1);
- Increased the technical requirements for the bottom of the tank relative to the drain point (see 3.4.1.6);
- Deleted the technical content of tank volume (see 4.3.1.2 of the 1999 edition);
- Modified the technical requirements of the water pump filter screen (see 3.4.2.4, 1999 edition 4.3.2.4);
- Modify the inner diameter size requirements of the clean water hose (see 3.4.3.8, 1999 edition 4.3.3.7);
- Added the requirement for the clean water truck to store clean water pipes and joint devices (see 3.4.3.9);
- Added technical requirements for guardrails and guardrail doors (see 3.4.4.3);
- Increase the technical requirements for the loading quality of the lifting work platform (see 3.4.4.4);
- Added the technical requirements for the control device (see 3.4.5);
- Added technical requirements for emergency devices (see 3.4.7);
- Modified the technical requirements for operating noise (see 3.6.1, 1999 edition 4.1.19);

- Added the emission technical requirements for internal combustion clean water trucks (see 3.6.3);
- Added the technical requirements for the cab/position (see 3.8);
- Added the technical requirements for the stability of the clean water truck (see 3.9);
- Added the technical requirements for the driving reliability of the clean water truck (see 3.10.1);
- Modified the technical requirements for the operation reliability of the clean water truck (see 3.10.2, 1999 edition 4.2);
- Deleted the technical requirements for lifting working platforms (see the 1999 edition 4.5);
- Deleted the technical requirements for the material of the water delivery hose (see 4.3.3.6 of the 1999 edition).

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.

Drafting organizations of this standard. Civil Aviation Professional Engineering Quality Supervision Station, National Construction Machinery Quality Supervision and Inspection Center, Wuxi Ximei Special Automobile Vehicle Co., Ltd., Weihai Guangtai Airport Equipment Co., Ltd.

1 Scope

This standard specifies the technical requirements, inspection methods, inspection rules, signs, markings, and use of aircraft clean water vehicles (hereinafter referred to as clean water vehicles).

Instructions for use, packaging, transportation and storage.

This standard applies to clean water vehicles with various chassis.

Note: The aircraft water tanker is a special ground equipment for filling the aircraft with drinking water.

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 1495 Limits and measurement methods of noise outside the vehicle during acceleration
 GB/T 1589 Cars, trailers and car-train outline dimensions, axle loads and mass limits GB/T
 3766 General technical conditions for hydraulic systems GB 3847 Emission limits and
 measurement methods of visible pollutants from automobile exhaust with compression
 ignition engines GB/T 4094.2 Marks for electric vehicle controls, indicators and signal
 devices GB 7258 Safety technical conditions for motor vehicle operation GB/T 7593 Motor
 industrial vehicle driver control device and other obvious device symbols GB/T 7935
 General technical conditions for hydraulic components GB/T 9969 General Rules for the
 Use of Industrial Products GB/T 12536 Automobile sliding test method GB/T 12543
 Automobile acceleration performance test method GB/T 12544 Maximum speed test
 method for automobiles GB/T 12547 Minimum Stable Vehicle Speed Inspection Method
 GB/T 12673 Measuring method for main dimensions of automobiles GB/T 12674 Method
 for determination of automobile quality (weight) parameters GB/T 12678 Automobile
 Reliability Driving Test Method GB/T 14436 General Rules of Guarantee Documents for
 Industrial Products GB 17691 Automobile compression ignition, gas fuel ignition engine and
 automobile exhaust pollutant emission limits and measurement methods (China III, IV, V
 stage) GB/T 18488.1 Motors and Controllers for Electric Vehicles Part 1: Technical
 Conditions GB 20891 Limits and measurement methods of exhaust pollutants from diesel
 engines for non-road mobile machinery JB/T 5943 General technical conditions for welding
 parts of construction machinery MH/T 0023 Graphical symbols for aircraft ground service
 equipment QC/T 484 Automotive paint coating QC/T 625 coating and chemical treatment
 layer for automobile EN 1915-1 General requirements for aviation ground support
 equipment-Part 1: Basic safety requirements

3.1 General requirements

3.1.1

All purchased parts of clean water trucks shall meet the requirements of relevant national standards or industry standards, and have relevant certification documents and factory qualification certificates.

3.1.2

The welding of the structural parts of the clean water truck shall comply with the regulations of JB/T 5943.

3.1.3

The paint coating of the clean water truck shall meet the requirements of QC/T 484.

3.1.4

The coating and chemical treatment layer of the parts of the clean water truck shall meet the requirements of QC/T 625.