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

MH/T 6110-2015

**Operations criterion for civil aviation fuel supplied by pipeline
(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 was proposed by the Aircraft Airworthiness Certification 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 organization of this standard. China National Aviation Fuel Corporation.

1 Scope

This standard specifies the operation (including trial operation and daily operation), maintenance, management and other aspects of the pipeline used to transport civil aviation fuel.

skills requirement.

This standard applies to the operation and management of civil aviation fuel transportation pipelines (hereinafter referred to as pipelines).

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. For undated references, the latest version (including all amendments) applies to this document.

GB/T 21448 Technical Specification for Cathodic Protection of Buried Steel Pipelines
MH/T 6002 Civil Aviation Fuel Equipment Good Technical Specification
MH/T 6004 Civil Aviation Fuel Metering Management
MH/T 6020 Civil aviation fuel quality control and operating procedures
Quality control of MH/T 6080 civil aviation fuel long-distance pipeline transportation

3 Terms and definitions

The following terms and definitions apply to this document.

Pipeline

Buried pipelines for transporting civil aviation fuel between refineries, docks, unloading stations, and oil depots.

Pipeline integrity management the pipeline operating unit identifies and evaluates the risk factors faced in the operation of the pipeline, and through monitoring, testing, and inspection methods, Obtain information on pipeline integrity combined with professional management, formulate corresponding risk control countermeasures, and continuously improve the identified adverse impact factors in order to control the risk level of pipeline operation within a reasonable and acceptable range, and ultimately achieve continuous improvement, reduction and prevention of pipeline Activities for the purpose of ensuring the safe operation of pipelines economically and reasonably when an accident occurs.

Supervisory control and data acquisition system by the master dispatch unit (MTU) located in the dispatch control center, the remote terminal unit (RTU) located in each station and the communication link connecting them A system composed of information equipment.

4.1 Test run conditions

4.1.1

It shall pass the special inspection and acceptance of the government and industry authorities.

4.1.2

The pipeline engineering, technology, electrical, instrumentation, automation, communication and various supporting auxiliary projects shall pass the completion acceptance.

4.1.3

Trained and qualified operators should be provided, and operators of special types of work should obtain corresponding national and industry operating certificates.

4.2 Preparation for trial run

4.2.1

Organizations should be established for pipeline trial operation, including but not limited to relevant personnel groups of construction, design, construction, supervision, operation, etc. to make. The organization should clarify the scope of responsibilities, determine the on-site dispatch commander, and be responsible for unified command and coordination of all trial operations.

4.2.2

The trial operation plan shall be prepared in accordance with the requirements of Appendix A, and shall be implemented according to the plan after approval.

4.2.3

The test operation conditions shall be checked and confirmed in accordance with the design documents and relevant construction and acceptance specifications.

4.2.4

Various production management systems, operating procedures, work instructions, etc. shall be formulated; the corresponding process flow diagram shall be drawn up and the process shall be Number of equipment, valves, etc.

4.2.5

Risk identification should be carried out, preventive measures should be formulated, emergency response plans should be prepared, and emergency repair personnel and emergency equipment and materials should be implemented.

4.2.6

All participants should be given safety education and technical explanations.

4.2.7

Fire-fighting equipment, explosion-proof tools, safety protection equipment and equipment, as well as various safety warnings, risk notice boards, etc. shall be equipped.

4.2.8

A comprehensive inspection should be carried out. The inspection items are.

- Trial operation organization and staffing;
- Various materials and equipment for trial operation;
- Temporary works and supplementary measures for trial operation;
- Process, line, equipment, valve, instrument status;
- Debugging of electrical, instrumentation, automation and communication systems;
- Debugging situation of leak detection system and cathodic protection system.

4.3 Implementation of trial run

4.3.1

According to the trial operation plan, personnel organization is in place.

4.3.2

Confirm the equipment (devices), valves, electrical, instrumentation, automation, communication system, leak detection, the cathodic protection system and other facilities and equipment are in the correct state. In the early stage of trial operation, the filter element of the filter separator and the flow meter should not be put into use.

4.3.3

Facilities and equipment should be soaked and rinsed.

4.3.4

During the infiltration period and the operation of the pump, timely inspection should be carried out, and abnormal problems should be dealt with in time.

4.3.5

During the trial operation, the change of fuel quality should be monitored in time, and the fuel quality inspection should be carried out in accordance with the relevant requirements of MH/T 6020.