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**INDUSTRY STANDARD OF THE
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**Program of Pattern Evaluation of Liquefied Natural Gas
Dispensers
(English Translation)**

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11 Judgment of type evaluation result (20)

Appendix A Test items for measuring items (21)

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Introduction

This specification with reference to GB 50156 "vehicle gas station filling station design and construction specifications", GB/T 20368 "liquefaction Natural gas (LNG) production, storage and shipment ", GB/T 25986" Automotive liquefied natural gas filling device "and International Recommendation of the International Legal Metrology Organization (OIML) R81..2006 (E) "Dynamic measurement equipment for cryogenic liquids and System "(Dynamicmeasuringdevicesandsystems forcryogenicliquids) for the technical basis, knot

the Current Situation and Technical Level of China 's LNG Filling Machine. This specification is built on major technical indicators with international Negotiable, national standard equivalent.

This specification is for the first time.

Classification of liquefied natural gas filling machine

1 Scope

This specification applies to the type of liquefied natural gas (LNG) filling machine (hereinafter referred to as the filling machine) type evaluation.

2 reference file

This specification refers to the following documents.

GB/T 2423.1 Environmental testing for electric and electronic products - Part 2. Test methods - Test A. Low temperature GB/T 2423.2 Environmental testing for electric and electronic products - Part 2. Test methods - Test B. High temperature GB/T 2423.4 Environmental testing for electric and electronic products - Part 2. Test methods - Test Db. alternating wet Hot (12h 12h cycle) Information technology - Safety of equipment - Part 1. General requirements Electromagnetic compatibility - Tests and test techniques - Electrostatic discharge immunity test GB/T Electromagnetic compatibility test and test technology - Radio frequency electromagnetic field radiation immunity test GB/T 17626.3 GB/T 17626.4 Electromagnetic compatibility test and test technology Electrical fast transient burst immunity test GB/T 17626.5 Electromagnetic compatibility test and test technology Surge (impact) immunity test GB/T 17626.11 Electromagnetic compatibility test and test technology Voltage sags, short interruptions and voltage changes Immunity test Fixed vacuum insulated cryogenic pressure vessels - Part 1. General principles GB/T GB/T 20368 Production, storage and shipment of liquefied natural gas (LNG) GB/T 25986 Liquefied natural gas filling device for automobiles Code for design and construction of filling station of GB 50156 automobile gas station Guidelines for the safe application of nitrogen and liquid nitrogen for GJB2253A OIMLR81..2006 (E) Dynamic measurement equipment and systems for cryogenic liquids devicesandsystems forcryogenicliquids) for dated references, only the dated edition applies to this specification; references that are not dated , The latest version (including all modifications) applies to this specification.

3 terminology

3.1 liquefied natural gas (LNG) filling machine liquefiednaturalgas (LNG) dispensers Provide LNG filling service, generally by the low temperature flow meter, regulating valve, filling gun, back air gun, filling hose, Return air hose and electronic meter control, auxiliary devices and other components of a complete liquefied natural gas accumulation measurement system.

LNG gas storage container LNGgasvessel Vacuum-insulated cryogenic pressure vessels for the storage and supply of LNG fuels shall be in accordance with technical specifications GB/T 18442.1 requirements.