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

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**Ships and marine technology - Specification for bunkering of
liquefied natural gas fuelled vessels**

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(English Translation)

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References

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document is equivalent to ISO 20519:2021 "Ships and marine technology - Specification for the bunkering of liquefied natural gas fuelled ships".

1 Scope

This document specifies the requirements for the bunkering and transfer systems and equipment for liquefied natural gas fuelled ships, excluding the liquefied natural gas specified in the IGC Code.

Gas fueled ships.

This document is applicable to all sizes of ships sailing internationally and domestically, and mainly includes the following five items.

- a) Equipment. liquid and vapor delivery system;
- b) operating procedures;
- c) Requirements for LNG suppliers to provide LNG bunkering and delivery instructions;
- d) personnel training and qualifications;
- e) LNG facilities comply with ISO standards and regulations of the country or region where they are located.

2 Normative references

The contents of the following documents constitute essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to this document.

ISO 16904 Petroleum and natural gas industries - Design and testing of liquefied natural gas ship loading and unloading arms for conventional shore terminals (Petroleum and natural gas industries - Design and testing of liquefied natural gas ship loading and

unloading arms for conventional shore terminals) onshore terminals ISO 21593:2019 Ships and marine technology - Technical requirements for liquefied natural gas bunkering dry quick connectors uralgas) ISO 21903 Calibration of flow meters for dynamic measurement of refrigerated hydrocarbon liquids, liquefied natural gas (LNG) and other refrigerated hydrocarbon fluids fittings.NPS1/2throughNPS24metric/inchstandard) EN1474-2 Design and testing of liquefied natural gas equipment and installation ship delivery system Design and testing of delivery hoses (In-