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

GB 40556-2021

**Technical requirements for flooding emergency operation of
sea-going ship engine room**

海船机舱进水应急操作技术要求

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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 and managed by the Ministry of Transport of the People's Republic of China. Technical requirements for emergency operation of sea-going ship's engine room flooding

1 Scope

GB 40556-2021 is the Chinese national standard on technical requirements for flooding emergency operation of sea-going ship engine room, in the field of services and company organization. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 10 August 2021 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 March 2022. Classification: ICS 03.220.40, CCS R22. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the basic requirements, emergency procedures and records requirements for water-ingress emergency operations of marine vessels. This standard is applicable to cargo ships of 500 gross tonnage and above, and passenger ships of 12 passengers or more, sailing on the sea for commercial transportation purposes.

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 reference documents, the latest version (including all amendments) is applicable to this

document.

GB/T 13386 Safety technical requirements for open fire operation of marine operating ships

GB 16993 Safety Regulations for Preventing Hazardous Operation of Ship Cargo Holds and Enclosed Tanks from Hypoxia IMO International Convention for the Prevention of Pollution from Ships (International Convention for the Prevention of Pollution from Ships)

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Sea-going ship Designed for ships that mainly sail outside of sheltered areas such as ports, rivers, lakes, or similar areas.

Note. Sea-going vessels do not include military vessels, fishing vessels and yachts. [GB 40555-2021, definition 3.1]

3.2 Engine room In the space between the watertight boundaries, the machinery and equipment and related pumps, pipelines, etc. that are equipped to provide propulsion power for the ship are arranged. cabin.

Note. For specially arranged ships, the competent authority may specify the scope of machinery spaces. [GB 40555-2021, definition 3.2]

3.3 Engine room flooding A situation in which water enters the engine room due to an accident and poses a threat to the safety of the ship.

4 Basic requirements

4.1 Ships should formulate emergency procedures for engine room flooding, and be equipped with leak-stopping equipment and equipment suitable for the ship's conditions.

4.2 In formulating emergency procedures and emergency operations, at least the following factors should be considered.

- a) Crew safety and protection;
- b) Staffing and capabilities;