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

GB 40555-2021

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

海船机舱消防应急操作技术要求

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Table of Contents

1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Basic requirements	1
5 Emergency procedures	2
6 Effect evaluation	3
3 Reference	4

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 fire emergency operation of marine engine room

1 Scope

GB 40555-2021 is the Chinese national standard on technical requirements for firefighting 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 for firefighting emergency operations, emergency procedures, effect evaluation and recording requirements for marine engine rooms. 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 17566 Contingency Deployment Table for Marine Transport Vessels GB 18093 log book

GB 18436 Engine log and car clock record book

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.

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.

3.3 High expansion foam Foam fire extinguishing agent with foaming ratio between 201 and 1000.

Note. Rewrite GB 50151-2010, definition 2.1.8.

3.4 Direct attack Personnel enter the fire scene and use the ship's equipped fire extinguishing equipment to extinguish the fire.

3.5 Indirect attack Personnel do not need or are not allowed to enter the fire scene, but use the ship's fixed fire extinguishing system to introduce effective extinguishing agents into the fire scene to extinguish the fire Methods.

4 Basic requirements

4.1 Sea-going ships shall establish effective fire fighting response arrangements for the engine room in accordance with the requirements of GB 17566.