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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB 44170-2024

Safety management requirements for flood and typhoon control in shipyard

船舶制造防汛防台安全管理要求

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Table of Contents

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 is required. Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents. This document is proposed and coordinated by the Ministry of Industry and Information Technology of the People's Republic of China. Safety management requirements for flood and typhoon prevention in shipbuilding

1 Scope

GB 44170-2024 is the Chinese national standard on safety management requirements for flood and typhoon control in shipyard, in the field of environment and health protection, safety. 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 25 June 2024 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 January 2025. Classification: ICS 13.100, CCS U 09. 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 document stipulates the general requirements for flood and typhoon prevention, equipment and facilities requirements for flood and typhoon prevention, and the requirements for flood and typhoon prevention for shipbuilding enterprises (hereinafter referred to as enterprises). Taiwan safety management requirements, etc. This document applies to the company's flood and typhoon safety management.

2 Normative references

This document has no normative references.

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Flood and typhoon control Preventive measures taken to prevent catastrophic accidents caused by tides, typhoons, heavy rains, floods, lightning strikes, severe convective weather, etc.

3.2 Revetment A dike built to protect the water bank from erosion and collapse.

3.3 flood control wall Wall-like buildings built above the ground along rivers, rivers and coastal areas to block the tide.

Note. Flood control walls are the main flood control engineering facilities along the rivers, rivers and coasts.

3.4 Flood steel valve Flood control engineering facilities installed at the entrance of the flood control wall, dock and on both sides of the dock, which play the same role as the flood control wall.

3.5 Drainage pump station When the tide is higher than the ground, the rainwater and sewage in the sewer are collected into the collection well through the pump station and then lifted and discharged into the river (river, sea) facility.

Note. The water pump is generally a vertical axial flow pump.

3.6 Sewer steel valve A gate built at the sewer outlet to prevent tidal backflow during high tide.

4 General requirements for flood and typhoon prevention

4.1 Enterprises should set up flood and typhoon prevention headquarters, flood and typhoon prevention offices, flood and typhoon prevention emergency teams and other institutions according to their own conditions, and be responsible for flood and typhoon prevention. Flood prevention and typhoon work.

4.2 The staffing of the flood and typhoon prevention headquarters, flood and typhoon prevention office, and flood and typhoon prevention emergency teams should be based on the production scale of the enterprise and the flood and typhoon prevention