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

GB 40554.4-2025

**Code of safety practice for offshore oil & gas exploration and
production - Part 4: Beach shallow**

海洋石油天然气开采安全规程 第4部分：滩海部分

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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 Part 4 of GB 40554 "Safety Code for Offshore Oil and Gas Exploitation". GB 40554 has been issued for the following part.

3.Shore terminal section;

4.Beach and sea areas. 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 Emergency Management of the People's Republic of China.

In order to strengthen the safety management of offshore oil production, protect the lives and property of employees, and prevent and reduce offshore oil production safety accidents, Therefore, in accordance with the "Safety Production Law of the People's Republic of China" and other laws, GB 40554 "Safety Regulations for Offshore Oil and Gas Exploitation" was formulated. GB 40554 aims to specify the safety requirements for offshore oil and gas extraction operations and consists of the following four parts.

- 1.General. The purpose is to specify the general requirements for production safety applicable to offshore oil and gas production.
- 2.Offshore. The purpose is to specify the offshore (chart water depth exceeds 5m) offshore oil and gas extraction operations. Safety production requirements during business activities.
- 3.Onshore terminal part. The purpose is to specify the process of offshore oil and gas extraction operations at onshore terminals. safety production requirements.
- 4.Beach Sea Part. The purpose is to stipulate the offshore oil and gas operations in beach sea (with a depth of less than 5m on the chart). Safety production requirements during mining operations. This document, as part 4 of GB 40554, proposes the following requirements for offshore oil and gas exploitation in waters with a depth of less than 5 m. The safety production requirements for oil production activities are clarified, and the safety technical indicators for beach and offshore oil production facilities, equipment management, operation management, and emergency management are clarified. To standardize the safety management of offshore oil and gas, consolidate mature experience and technology, control the risks of offshore oil and gas production operations, and ensure the safety of offshore oil and gas production. The safety of life and property of offshore oil and gas exploitation workers, prevention and reduction of offshore oil production safety accidents, and the protection of offshore oil and gas development Provide a basis for normalization and standardization of safety management. Safety regulations for offshore oil and gas production Part

1 Scope

GB 40554.4-2025 is the Chinese national standard on code of safety practice for offshore oil & gas exploration and production - part 4: beach shallow, 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 30 May 2025 by the State

Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 December 2025. Classification: ICS 13.100, CCS E09. 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 defines the safety procedures for offshore oil and gas production operations, and stipulates basic requirements, offshore oil production facilities, offshore oil The safety requirements, operating instructions and conversion conditions for operating facilities, equipment facilities and operating management, and the corresponding verification methods are described. This document applies to the safety management of offshore oil and gas exploitation in sea areas where the water depth on the nautical chart is less than 5m (including 5m).

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.

GB 2894 Safety colors and safety signs

GB 15599 Lightning safety specification for petroleum and petroleum facilities

GB 40554.1 Safety regulations for offshore oil and gas production Part

3 Terms and definitions

The terms and definitions defined in GB 40554.1 and the following apply to this document.

3.1 oilartificialisland In the coastal waters, island structures that are not connected to the land and are built with sand, stone, concrete, etc. as the main materials, as well as those related to exploration and development Set of oil facilities.

3.2 A channel built in the beach area to connect the land with the beach and sea onshore oil facilities or between the beach and sea onshore oil facilities.