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

GB 40554.3-2025

**Code of safety practice for offshore oil & gas exploration and
production - Part 3: Onshore terminal**

海洋石油天然气开采安全规程 第3部分：陆岸终端部分

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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 3 of GB 40554 "Safety Code for Offshore Oil and Gas Exploitation". GB 40554 has been issued as follows: part. --Part

1 Scope

GB 40554.3-2025 is the Chinese national standard on code of safety practice for offshore oil & gas exploration and production - part 3: onshore terminal, 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 specifies the safety requirements for offshore oil production facilities, equipment management, operations management and emergency management. This document applies to the safety management of offshore oil and gas exploitation at onshore terminals.

2 Normative references

The contents of the following documents constitute the 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 12158 General requirements for preventing electrostatic accidents

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 apply to this document.

4 Basic Requirements

4.1 In addition to meeting the requirements of this document, the safety production of shore terminals shall also meet the relevant requirements of GB 40554.1.

4.2 The operator and the contractor shall sign an oil and gas field outsourcing project safety production management agreement to clarify the safety management interface between the two parties and implement risk analysis and Measures such as level-by-level control,

hidden danger investigation and management, and emergency response.

4.3 When two or more production units carry out production activities that may endanger the safety of each other in the same operation area, they should clearly define the respective safety management responsibilities and safety measures to be taken during the operation process shall be clearly defined, and safety management personnel shall be designated to conduct safety inspections and coordination.

4.4 Operators and contractors shall establish and implement fire and explosion prevention, hydrogen sulfide protection, change management, inspection and maintenance operations, special Operation and other safety management systems.

4.5 The operator shall organize the certification inspection of production facilities, including annual inspection, periodic inspection and temporary inspection. Temporary inspection shall be carried out in the following cases. Time inspection. --An accident or natural disaster occurs at the terminal, causing damage to the facilities or affecting safety; --Major renovation or replacement of terminal structures, electromechanical equipment, container tanks, etc.

4.6 Fire control room duty personnel, hazardous chemical loading and unloading operators, etc. should be trained in accordance with the requirements of the relevant competent authorities and obtain the corresponding Qualification certificate.