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

GB/T 46776-2025

**Specification for offshore conductor design, setting depth and
installation**

海洋隔水导管下入深度及安装设计规范

(English Translation)

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

This document is equivalent to ISO 3421:2022 "Drilling and Production Equipment for the Oil and Gas Industry - Depth of Marine Riser Conductors and Their Installations".

Installation design.

The following minimal editorial changes have been made to this document.

---The standard name has been changed to "Design Specification for the Depth and Installation of Marine Waterproof Guide Ducts".

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed and is under the jurisdiction of the National Technical Committee on Standardization of Petroleum Drilling Equipment and Tools (SAC/TC96).

1 Scope

This document specifies the specifications, lowering depth, and installation requirements (referring to the process of lowering and securing the marine riser into the formation) for marine risers.

Design methodology. This document elaborates on.

---Design of the riser specifications, including the determination of the riser's diameter, wall thickness, and steel grade;

---Design of the insertion depth of the water-tight pipe, including the insertion depth for three installation methods. hammer insertion, drilling, and jetting;

--- Requirements for the three methods of installing water-proof conduits, including

applicable scope, installation procedures, data recording, and quality control.

This document applies to.

---Waterproof guide pipe for jacket platform. A waterproof guide pipe that is laterally supported by guide holes set at intervals inside the jacket platform, preventing water damage.

To prevent excessive displacement;

---Jack-in rig support riser. A temporary riser used only during drilling operations on jack-up rigs. Some in this case, the riser is tensioned by a tensioner installed on the drilling rig;

---Free-standing self-supporting water-proof conduit. A cantilevered self-supporting water-proof conduit, installed in shallow water with a depth of approximately 10m~20m, for oil...

The well provides the only support and, under certain conditions, can be used to support a small boarding deck and berthing deck;

---Subsea Wellhead Separator. A type of completely submerged underwater separator that extends only a few meters above the seabed mud surface and connects to the underwater BOP (Body-Operating Point).

And the drilling riser. The drilling riser is connected to the floating drilling platform. The BOP, riser, and drilling rig are subjected to the forces of waves and ocean currents.

However, the riser pipe may also be affected by VIV.

This document does not apply to the design of drilling risers.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies.

This document.

Note: GB/T 23511-2021 General requirements for marine structures in the oil and gas industry (ISO.19900.2019, IDT) ISO.19901-4 Particular requirements for marine structures in the oil and gas industry - Part 4: Rock engineering and foundation design (Petro-ISO.19901-8 Particular requirements for marine structures in the oil and gas industry - Part 8: Investigation of marine soils (Petroleum) gations) offshore structures)