

ICS 75.180.10

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

GB/T 30217.1-2013

**Petroleum and natural gas industries -- Drilling and production
equipment -- Part 1: Design and operation of marine drilling
riser equipment**

石油天然气工业 钻井和采油设备 第1部分：海洋钻井隔水管设备的设计和操作
(English Translation)

Issued on: December 31, 2013

Implemented on: October 1, 2014

Issued by: Standardization Administration of China

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Foreword

GB/T 30217 "Petroleum and natural gas industries - Drilling and production equipment" is divided into two parts.

--- Part 1. marine drilling riser equipment design and operation;

--- Part 2. Deepwater drilling riser analysis, operations, and integrity technical report.

This section GB/T Part of 130,217.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses the translation method identical with ISO 13624-1:2009 "Petroleum and natural gas industries - Drilling and production equipment - Part 1.

Marine drilling riser equipment design and operation. " Consistency correspondence between this part of international documents and normative references of our files are as follows.

--- SY/T 6917-2012 Petroleum and natural gas industries - Drilling and production equipment - Marine drilling riser joints (ISO 13625.

2002, MOD)

This section also made the following editorial changes.

--- Corrected text of the error.

This part of the National Oil Drilling Equipment and Tools Standardization Technical Committee (SAC/TC96) and focal points.

This section is responsible for drafting. National oil and gas drilling equipment engineering and technology research center.

This section participated in the drafting unit. China Oilfield Services Limited, the oil industry

well control equipment for Quality Supervision and Inspection Center, Baoji Stone Oil Machinery Co., Ltd., CNOOC Energy Pipeline Engineering Branch development drilling pipe, finite Hebei North China Petroleum Rongsheng Machinery Manufacturing the company.

1 Scope

GB/T 30217 apply to this part of the floating marine drilling riser system design, selection, operation and maintenance. This section it is intended for designers, system components as well as personnel selection and maintenance of the equipment referenced. This depends in part on the original basic engineering Marine management and operating personnel, contractors and manufacturers accumulated experience.

Note: this technology advances, advanced methods and equipment after another. Encourage every owner and operator to follow this recommendation as part of the presentation Law and to supplement these with other technologies recommended practice proven to reduce costs, improve security and (or) reliability.

It should be regarded as a marine drilling riser system. Designers, contractors and operators should be recognized and recommended a single member of the election Selection method should be suitable for the overall performance of the system. In this section, the marine drilling riser system includes a tensioner system and UFJ or ball joint all devices connected to the top and lower wellhead connector between, it does not include a splitter. And, GB/T 30217 in this section applies only Configured for use with subsea BOP stacks together underwater operations.

Part 1 of this chapter - Chapter 7 is directly applicable to the majority of floating drilling operations. 8.1 and 8.4 expressions involving deepwater drilling and crowded Destroyed exceptional circumstances. 8.2 expresses no special considerations guide rope drilling required. In addition, 8.3 and 8.5 and expressed the cold weather conditions Operating under conditions of H₂S.

It is important that all riser main load path parts in this section are expressed in accordance with ISO 13625 predetermined load classification.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

ISO 13625 Petroleum and natural gas industries - Drilling and production equipment - Marine drilling riser joints (Petroleum and natural gas industries - Drilling and production equipment - Marine drilling riser couplings) BS7910 metal structural defects Acceptance Assessment Methodology Guide

(Guidetomethodsforassessingtheacceptabilityof flawsinmetallicstructures)

3.1 Terms and Definitions

The following terms and definitions apply to this document.

3.1.1

Accumulators (for BOP) accumulator Filled ullage gas (nitrogen) pressure vessel for storing hydraulic fluid under pressure to operate the BOP.

3.1.2

Accumulators (for riser tensioner) accumulator Ullage filling gas pressure vessels, high pressure gas from the tensioner for cylinders in the pressure vessel pressurized gas side, the supply of high pressure