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

GB/T 25444.1-2010

**Mobile and fixed offshore units -- Electrical installations -- Part
1: General requirements and conditions**

移动式 and 固定式近海设施 电气装置 第1部分：一般要求和条件

(English Translation)

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Foreword

GB/T 25444 "Mobile and fixed offshore facilities electrical installation" is divided into 7 parts.

- Part 1. General requirements and conditions;
- Part 2. System design;
- Part 3. Equipment;
- Part 4. Cables;
- Part 5. Mobile devices;
- Part 6. Installation;
- Part 7. Hazardous areas.

This part is part 1 of GB/T 25444.

This part is equivalent to IEC 61892-1.:2001 "Mobile and fixed offshore installations Electrical installations Part 1. General requirements and Condition "(English version).

For ease of use, this standard has been modified as follows.

- a) "This part of IEC 61892" is replaced by the words "part of GB/T 25444" or "this part";
- b) Replace the comma as a decimal point with a decimal point "."
- c) prerequisites for the removal of international standards;
- d) Add GB/T 25444.2-2010 (IEC 61892-2.:2005, IDT) in the "2 normative reference document"; in the "References" GB/T 22189-2008 (IEC 60092-502.:1999, IDT) is included in this standard and in Appendix A.

For other documents appearing in this standard text, see the "References" to this standard;

- e) In Table 4.22, "Table X3)" is changed to "Table 7", and the note "3" is canceled and the relevant description.

Appendix A to this section is an informative appendix.

This part is made by China Shipbuilding Industry Corporation.

This part of the National Marine Marine Standardization Technical Committee of Marine Electrical Equipment Subcommittee.

This part of the drafting unit. Jiangnan Shipbuilding (Group) Co., Ltd., China Shipbuilding Industry Comprehensive Technology and Economic Research Institute.

This part of the main drafters. Lin Dehui, Liu with the new, Yan Ping.

Mobile and fixed offshore installations Electrical installations Part 1. General requirements and conditions

1 Scope

This part of GB/T 25444 (hereinafter referred to as this part) specifies the requirements for electrical installations of mobile and stationary offshore facilities.

Drilling, production, handling and storage for the offshore oil industry, including piping, pumping stations or "pigging" stations, air compressor stations and outside Floating single pontoon mooring facilities.

This part applies to AC voltage not more than 35000V and DC voltage of not more than 1500V, permanent, temporary, mobile or hand Hold all electrical installations.

This part does not apply to electrical installations of fixed medical equipment or cargo ships.

Note: For electrical equipment for medical rooms, see IEC 60364-7-710.

2 Normative reference documents

The terms of this document are hereby incorporated by reference in this part of ISO/IEC 15444. Any reference to the date of the document, any subsequent amendments (not including corrigenda) or revisions shall not apply to this part, however, it is encouraged to enter into an agreement under this Part the parties study whether the latest versions of these files can be used. For undated references, the latest edition applies to this section.

GB/T 25444.2-2010 Electrical installations for mobile and stationary offshore installations - Part 2. System design (IEC 61892-2.:2005, IDT) IEC 60034 (all parts) rotary motors Electrical equipment for use in explosive atmospheres - Part 0. General requirements Amendment 1 (2000) 1)

1) Consolidated this, including IEC 60079-0.:1998 and its amendments 1 (2000).

Mobile and stationary offshore installations - Electrical installations - Part 3. Equipment
Mobile and fixed offshore installations - Electrical installations - Part 7. Hazardous areas (IEC 61892-7.:1997);

IMO-110E International Convention for the Safety of Life at Sea (SOLAS)

3 Terms and definitions

The following terms and definitions apply to this part of GB/T 25444.

Note: The definitions included in this section are common to the GB/T 25444 series and include the definition of special equipment in other parts of GB/T 25444.

Accessible (for equipment) accessible (as applied to equipment) Applicable to objects or equipment that can be accidentally touched or close to a safe distance. This definition applies to the absence of adequate protection or absolute Edge of the object.

Accessibility (for bonding method) accessible (as applied to wiring methods) Unobtrusive.

With accessory

Any equipment other than lamps (see IEC 61892-3), such as switches, fuses, plugs,