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

GB/T 25444.7-2010

**Mobile and fixed offshore units -- Electrical installations -- Part
7: Hazardous areas**

移动式 and 固定式近海设施 电气装置 第7部分：危险区域

(English Translation)

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Table of Contents

Introduction

1 Scope

2 Normative references

3 Terms and definitions

4 Area classification

4.1 General

4.2 Principle 7 Security

4.3 Source of release

Type 4.4 District

4.5 Density associated gas or vapor released

4.6 Mobile drilling facility

4.7 Fixed production facilities

4.8 Mobile production facilities

4.9 Provisions for mobile and fixed offshore installations

4.10 Openings, access and ventilation conditions on the scope of the danger zone

5 Electrical System

5.1 Power

10 5.2 Distribution System

5.3 Electrical Protection

Foreword

GB/T 25444 "mobile and fixed offshore installations electrical device" is divided into seven sections.

--- Part 1. General requirements and conditions;

--- Part 2. system design;

--- Part 3. equipment;

--- Part 4. Cable;

--- Part 5. mobile facilities;

--- Part 6. Installation;

--- Part 7. Hazardous area.

This section GB/T 25444 Part 7.

This section identical with IEC 61892-7:2007 "Part 7 mobile and fixed offshore installations Electrical installations. danger zone" (In English).

For ease of use, this section made the following editorial changes.

- a) "This part of IEC 61892" be replaced by "GB/T 25444 this part" or "this part";
- b) For IEC 61892-7:2007 international standard references, there is equated adopted as our standard, and in this section by reference Our standard instead of an international standard, not identical with the rest of our standards in this section are referenced directly;
- c) use a decimal point instead of a decimal comma " , " . " , " ;
- d) Remove international standards preface, introduction;
- e) presentation of in accordance with the provisions of GB/T 1.1-2000 also been modified.

This part of the Annex A, Annex B, Annex C is informative appendix.

This part is proposed by the China State Shipbuilding Corporation.

This part of the National Standardization Technical Committee Marine Boats (SAC/TC12) centralized.

This section drafted by. China Shipbuilding Technology and Economy Research Institute.

1 Scope

GB/T 25444 in this section (hereinafter referred to in this section) provides mobile and fixed offshore installations in hazardous areas and hazardous area classification Select the domain requirements for electrical equipment for the offshore oil industry, drilling, production, processing and storage, including cleaning the pipelines, pumping stations or pipes Stations, compressor stations and exposed single buoy mooring facility.

This section applies to the hazardous area is not more than 35000V ac voltage and dc voltage not exceeding 750V, permanent, temporary, all electrical devices or mobile handheld (AC and DC voltage of nominal voltage).

This section does not apply to medical electrical equipment or electrical device on the tanker compartment.

2 Normative references

The following documents contain provisions which, through reference GB/T 25444 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to

use the latest versions of these documents. For undated references, the latest edition of in this section.

GB 3836.14 Electrical apparatus for explosive gas atmospheres - Part 14. Classification of hazardous areas (GB 3836.14-2000, idt IEC 60079-10:1995) GB/T 25444.2 mobile and fixed offshore facilities Part 2 Electrical installations. System Design (GB/T 25444.2-2010, IEC 61892-2:2005, IDT) GB/T 25444.3 - Part 3 mobile and fixed offshore installations Electrical installations. equipment (GB/T 25444.3-2010, IEC 61892-3:2007, IDT) GB/T 25444.5 mobile and fixed offshore installations electrical installations - Part 5. Mobile Facilities (GB/T 25444.5-2010, IEC 61892-5:2000, IDT) GB/T 25444.6 - Part 6 mobile and fixed offshore installations Electrical installations. Installation (GB/T 25444.6-2010, IEC 61892-6:2007, IDT) IEC 60079-0:2007 Explosive Atmospheres - Part 0. General rules (Explosiveatmospheres-Part0.

Equipment-Generalrequirements) IEC 60079-1:2007 Explosive atmospheres - Part 1. "d" flameproof protection equipment (Explosiveatmospheres-Part 1.

Equipmentprotectionbyflameproofenclosure "d") IEC 60079-2:2007 Explosive atmospheres - Part 2. "p" positive pressure protection device (Explosiveatmospheres-Part 2.

Equipmentprotectionbypressurizedenclosure "p") IEC 60079-5:2007 Explosive atmospheres - Part 5. "q" Sand filled protective equipment (Explosiveatmospheres-Part 5.

Equipmentprotectionbypowderfilling "q") IEC 60079-6:2007 Explosive atmospheres - Part 6. "o" oil-filled protective equipment (Explosiveatmospheres-Part 6.

Equipmentprotectionbyoilimmersion "o") IEC 60079-7:2006 Explosive atmospheres - Part 7. "e" increased safety protection equipment (Explosiveatmospheres-Part 7.

Equipmentprotectionbyincreasedsafety "e") IEC 60079-11:2006 Explosive atmospheres - Part 11. "i" intrinsic safety protection equipment (Explosiveatmospheres-