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

GB/T 36148.3-2022

**Ships and marine technology - Marine environment protection -
Oil booms - Part 3: End connectors**

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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 of Standardization Documents" drafted.

This document is part 3 of GB/T 36148 "Oil Booms for Marine Environmental Protection of Ships and Offshore Technology". GB/T 36148 has

The following sections have been published.

--- Part 1. Design requirements;

--- Part 2. Strength and performance requirements;

--- Part 3. End connectors.

This document is equivalent to ISO 17325-3:2018 "Oil Booms for Marine Environmental Protection in Ships and Offshore Technology - Part 3. End Connections"

Connector".

Please note that some content of this document may be patented. The issuing agency of this document assumes no responsibility for identifying patents.

Introduction

With the development of offshore oil, the consequent oil spill pollution is also serious year by year, posing a threat to people's living environment and the marine environment.

cause damage. The oil boom is the key equipment used to prevent the spread of oil spills, and each section of the oil boom needs to be connected by the end connector of the oil boom.

GB/T 36148 "Oil Booms for Marine Environmental Protection of Ships and Offshore Technology" aims at the design, performance, test and connection of oil booms

According to the requirements of equipment, auxiliary equipment, etc., it is used for the design, production and use of oil booms in the scope of regulation, and it is planned to be composed of the following parts.

--- Part 1.Design requirements. The purpose is to specify basic design requirements, general functions, markings and signs, and to specify that manufacturers are required to provide

Provided information on boom design, dimensions and materials, applicable to the design of the boom.

--- Part 2.Strength and performance requirements. The purpose is to specify the strength and performance requirements of the oil boom and the corresponding test methods.

Design and testing of strength and performance of oil booms.

--- Part 3.End connectors. The purpose is to specify the design of boom end connectors used to prevent the spread of oil spills at sea

requirements, and specifies the minimum mating characteristics of connectors, which are suitable for the design, production and use of end connectors.

--- Part 4.Auxiliary equipment. The purpose is to specify the design requirements of auxiliary equipment for oil boom, which is suitable for the design, production and production of auxiliary equipment.

production and use.

This document is part 3 of GB/T 36148.

Ships and Offshore Technology Marine Environmental Protection Oil Booms

Part 3.End Connectors

1 Scope

This document specifies the design requirements for oil boom end connectors (hereinafter referred to as connectors) used to prevent the spread of oil spills at sea, and specifies

The minimum mating characteristics of the connector are specified, but are not limited to a specific configuration.

Different types of connectors should be considered in different areas. This document does not define any priorities. Manufacturers and users are responsible for

Select the appropriate connector for the intended application.

The stable characteristics of the connector are the result of the interaction between the boom float and the connector.

This document is not intended to address all security concerns, if any, associated with its use. However, it is the responsibility of the user of this document to establish safety

Complete and healthy procedures and ensure compliance with regulatory requirements.

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, dated citations

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

ISO 16165 Ships and marine technology Marine environmental protection oil spill handling related terms (Ships and marine

Note. GB/T 21478-2016 Terminology related to oil spill handling for marine environmental protection of ships and marine technology (ISO 16165:2013, IDT)

ISO 17325-2 Marine environment protection booms for ships and marine technology - Part 2.Strength and performance requirements (Shipsand

Note. GB/T 36148.2-2018 Ships and Offshore Technology Marine Environmental Protection Oil Boom Part 2.Strength and Performance Requirements (ISO 17325-2.

2014, IDT).

3 Terms and Definitions

Terms and definitions defined in ISO 16165 apply to this document.

4 Design Considerations

The designed end connectors should have the following characteristics.

- Sufficient mechanical strength;
- Minimum oil leakage;
- There is no connection required for coordination (does not distinguish right or left potential);
- the full height of the boom;
- Do not damage the stability of the boom;

- does not reduce freeboard;
- No special assembly tools are required.

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