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

GB/T 34033.2-2017

**Ships and marine technology -- Risk assessment on anti-fouling systems on
ships -- Part 2: Marine environmental risk assessment method for anti-fouling
systems on ships using biocidally active substances**

船舶与海上技术 船舶防污底系统风险评估 第2部分：使用防污活性物质的船舶防
污底系统的海洋环境风险评估方法

(English Translation)

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Foreword

GB/T 34033 "marine and marine technology anti-fouling system risk assessment" is divided into the following sections.

--- Part 1. Marine environmental risk assessment methods for antifouling active substances used in marine antifouling systems;

--- Part 2. Marine environmental risk assessment methods for marine anti-fouling systems using antifouling actives.

This section GB/T 34033 Part 2.

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

This section uses the translation method identical with ISO 13073-2:2013 "Ship and marine technology anti-fouling system at the bottom of ship risk assessment Part 2. Marine environmental risk assessment methods for marine anti-fouling systems using anti-fouling active substances. " this part is proposed by China State Shipbuilding Corporation.

This part of the National Marine Machinery Standardization Technical Committee Marine Environmental Protection Sub-Technical Committee (SAC/TC137/SC9) centralized.

This part of the drafting unit. China Shipbuilding Industry Corporation 704 Institute.

1 Scope

GB/T 34033 provisions of this part of the life of the ship during the protection of the marine environment from the intentional use of anti-fouling active substances on board Risk assessment of the potential adverse effects of anti-fouling systems. This method can also be modified for freshwater environments.

This section applies to the specific test methods other than hazard assessment and specific anti-fouling system recommended for use outside the evaluation methods, the same applies to evaluation methods other than the impact assessment method of the anti-fouling system

using a specific substance.

This section does not include anti-fouling system in the following circumstances.

- Application and navigational stages in the construction of ships, the maintenance and repair of ships and the transformation of ships;
- Based on the "International Convention on the Control and Management of Ballast Water and Sediments (2004)", aimed at controlling ballast water and sediment in ships Aquatic organism and pathogen systems;
- Anti-fouling systems for fishing gear, buoys and floats used in fisheries, as well as anti-fouling systems for fisheries and aquaculture (net/cage, etc.) application;
- Ship anti-fouling system test strips and for the anti-fouling system research and development of small plates.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 34033.1-2017 Ships and marine technology - Marine anti-fouling systems - Risk assessment - Part 1 - Marine anti-fouling systems Marine environmental risk assessment methods using antifouling active substances (ISO 13073-1:2012, IDT)

3 Terms and definitions

GB/T 34033.1 defined and the following terms and definitions apply to this document.

The substance of concern Classified as "Hazardous to the Water Environment" based on the provisions of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS) (United Nations, 2009) Acute or chronic toxicity hazard Category 1 or 2 and intentionally added non-sterile released to the marine environment based on emission scenarios substance.

4 Application

General 4.1

The risk assessment as defined in this standard is for the protection of the marine environment. In order to confirm the anti-fouling activity in the anti-fouling system, Based on this section for risk assessment. In this section, the risk assessment should be for the use of GB/T 34033.1 has been accepted risk assessment of the anti