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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 33486-2017

Ships and marine technology -- Large yachts -- Structural fire protection for FRP yachts

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Foreword

This standard is drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the translation method equivalent to the international standard ISO 14886..2014 "ship and maritime technology large yacht FRP boat structure

Fire ".

This standard has made the following editorial changes.

--- Chapter 4 Tibmw to tibmw.

This standard is proposed by China Shipbuilding Industry Corporation.

This standard is nationalized by the National Marine Vessel Standardization Technical Committee Large-scale Yacht Subcommittee (SAC/TC12/SC9).

The drafting unit of this standard. China Shipbuilding Industry Comprehensive Technology and Economic Research Institute, Tian Guang Fire Co., Ltd., Guangzhou Yong Cheong fire equipment

Co., Ltd., Zhoushan City Quality and Technical Supervision and Testing Institute.

1 Scope

This standard applies to the ship is not less than 24m, carrying the number of not more than 12 large FRP yacht structure fire. This standard is not suitable

Manufactured in accordance with the SOLAS Convention.

This standard uses the Fourier heat transfer coefficient according to the IMOFTP rule to determine the equivalent resistance of all FRP laminates

Fire model.

This method takes into account the mechanical, thermal, physical and thermal insulation properties of insulating FRP laminates.

The thermal insulation and FRP materials specified in this standard heat, smoke, fire and other technologies and equivalent insulation performance as a fire

FRP laminate with material.

Due to the opening, doors, windows, hatchways, etc. of the laminate, it is possible to reduce the heat, smoke and fire resistance of the separation. This standard does not apply to this

Heat-resistant, smoke-proof and fire-resistant requirements for open accessories.

2 normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article

Pieces. For undated references, the latest edition (including all modifications) applies to this document.

GB/T 9978.1-2008 Fire resistance test methods for building components - Part 1. General requirements (ISO 834-1..1999, IDT)

GB/T 25207-2010 Fire test - Solid room fire test method for surface products (ISO 9705..1993, IDT)

3 terms and definitions

The following terms and definitions apply to this document.

3.1

Fire separation 30 fire-resistingdivision30

Category identified as medium fire hazard

Note. The structure of the fire resistance is the fire in the surrounding area, through the area of the insulation and protection to ensure that the fire in the event of isolation

Performance, such structures include fire barriers, decks, ceilings, liners and doors.

[IMOFTP Rule MSC.45 (65) Resolutions "High Speed Ship Fire Separation Test Procedure", appendix]

3.2

Fire-resistant separation 60 fire-resistingdivision60

Category identified as a large fire hazard.

3.3

Fire-restricting materials

Performance conforms to IMOFTP rules.

[IMOHSC Rule 7 Fire Safety]