



# CR

## CR Classification Society

FOUNDED 1951

# **RULES AND REGULATIONS FOR THE CONSTRUCTION AND CLASSIFICATION OF SHIPS OF FIBREGLASS REINFORCED PLASTICS 2017**

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## **AMENDMENT No.1**

*December 2017*





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**RULES AND REGULATIONS FOR THE CONSTRUCTION  
AND CLASSIFICATION OF SHIPS OF  
FIBREGLASS REINFORCED PLASTICS 2017**

**AMENDMENT No.1**

The following Parts have been amended and the effective dates are:	
<b>Part</b>	<b>Effective date</b>
I	April, 2018
III	April, 2018

The Rules and Regulations for the Construction and Classification of Fibreglass Reinforced Plastics 2017 are to be read in conjunction with this Amendment.



AMENDMENT TO "THE RULES AND REGULATIONS FOR THE CONSTRUCTION AND  
CLASSIFICATION OF FIBREGLASS REINFORCED PLASTICS 2017"

## **PART I      GENERAL REQUIREMENTS**

## List of major changes in Part I from 2017 edition

1.1.2                      Revised



The Rules and Regulations for the Construction and Classification of Fibreglass Reinforced Plastics 2017 have been partly amended as follows:

## Chapter 1 General

Paragraph 1.1.2 has been amended as follows:

### 1.1 Application

1.1.2 Unless otherwise specified, the requirements in the Rules are framed for FRP ships, with a designed speed not exceeding  $3.7 \sqrt[7]{\nabla^{0.1667}}$  (~~4.4~~ m/s) ( $\nabla$  = displacement in m<sup>3</sup> corresponding to the load line defined in 1.3.6) other than oil tankers, of normal form and proportion, less than 35 meters in length, intended for unrestricted service. Special considerations will be given to large ships, ships for restricted service, ships of unusual form or proportion, novel design and arrangement, or ships intended for the carriage of special cargoes, the requirements for construction, equipment and scantlings may be properly modified.



AMENDMENT TO "THE RULES AND REGULATIONS FOR THE CONSTRUCTION AND  
CLASSIFICATION OF FIBREGLASS REINFORCED PLASTICS 2017"

## **PART III      EQUIPMENT AND FITTINGS**

## List of major changes in Part III from 2017 edition

Chapter 4	Revised
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The Rules and Regulations for the Construction and Classification of Fibreglass Reinforced Plastics, 2017 have been partly amended as follows:

## **Chapter 4 Fire Protection, Detection and Extinction**

*Chapter 4 has been amended as follows:*

### **Chapter 4**

#### **~~Fire Fighting Equipment and Arrangements~~**

#### **Fire Protection, Detection and Extinction**

#### **4.1 General**

4.1.1 In addition to comply with the requirements of the Administration of the ship, the requirements specified in this chapter are also to be complied with.

4.1.2 Fire protection appliances are to be kept in good order and available for immediate use at all times.

#### **4.2 Equipment and Arrangements**

4.2.1 Ships of 12 meters or more in length are to be provided with the following fire-fighting equipment. However, the requirements in (a) through (e) do not apply to ships with a gross tonnage of less than 300 tons.

- (a) One fire pump driven by independent power.
- (b) One emergency hand fire pump provided outside the machinery space.
- (c) Fire hydrants to be so arranged that one jet of water by a single fire hose is available (cargo spaces assumed to be in empty condition) to reach any part of the ship normally accessible to the passengers or crew while the ship is being navigated.
- (d) Three fire hoses.
- (e) Three nozzles (spray/jet) with valves.
- (f) Portable fire extinguishers;
  - (i) One portable foam fire extinguisher or portable chemical powder fire extinguisher per every 750 kW of output in space where internal combustion engine is installed (minimum two, maximum six in number).

[ PART III ]

- (ii) Three portable fire extinguishers in accommodation space and service space (to be distributed to each space as appropriate).

4.2.2 Ships of less than 12 meters in length are to be provided with the following fire-fighting equipment:

- (a) Ships equipped with inboard engine or in/outboard engine are to be provided with three portable liquid fire extinguishers or portable chemical powder fire extinguishers.
- (b) For ships equipped with outboard engine only, the quantities of portable fire extinguishers may be reduced by one from the quantities specified in (a) above.

4.2.3 Fixed Fire Fighting System

For passenger ships, a fixed fire fighting system with a capacity sufficient for the volume of machinery space where normally unattended by crewmembers is to be provided and remotely controlled from the operation compartment.

<b>4.3 FRP Ships not Engaged in International Voyages</b>
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Light structure FRP ships with a designed speed exceeding the speed as specified in 1.1.2 of Part I of the Rules and not to proceed in the course of their voyage more than the time as specified in 1.3.4 of the "Rules for the Construction and Classification of High-Speed Craft" from a place of refuge, are to comply with Chapter 4, Chapter 7, and Chapter 8 of the "Rules for the Construction and Classification of High-Speed Craft".





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