



IRCLASS
Indian Register of Shipping



RULES AND REGULATIONS FOR THE CONSTRUCTION AND CLASSIFICATION OF HIGH SPEED CRAFTS AND LIGHT CRAFTS

RULES CHANGE NOTICE NO. 1

March 2025

General Information

This Rules Change Notice gives amendments to the ‘Rules and Regulations for the Construction and Classification of High Speed Crafts and Light Crafts’.

These amendments are to be read in conjunction with the requirements given in the July, 2024 edition of the Rules.

The Part / Chapters where amendments are made and their effective dates are indicated in **TABLE 1**. The actual requirements, arranged in the order of Part / Chapter / Section / Sub-section / Clause, have been given subsequently.

Corrigenda issued with this Rules Change Notice are given in **TABLE 2**.

For ease of reference, the newly added text has been highlighted by underlining and the deleted text by striking through.

**RULES AND REGULATIONS FOR THE CONSTRUCTION AND CLASSIFICATION
OF HIGH SPEED CRAFTS AND LIGHT CRAFTS – July 2024**

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TABLE 1 – AMENDMENTS INCORPORATED IN THIS NOTICE

These amendments will come into force as indicated in the Table

Section / Clause	Subject/ Amendments
Chapter 13: Electrical Installations <i>The amendments are applicable to crafts contracted for construction on or after 1 January 2026.</i>	
1/ Table 1.13.1	Table 1.13.1 is completely revised to update ingress protection requirements.
13/ 13.1.4(new)	Cross-reference is provided to the requirements in Part 4, Chapter 8, Section 11 of the <i>Rules and Regulations for Construction and Classification of Steel Ships</i> for electrical equipment permitted in battery rooms, paint stores, and welding gas bottle stores.

TABLE 2 – CORRIGENDA INCORPORATED IN THIS NOTICE

Section / Clause	Subject/ Corrigenda
Chapter 10: Fire Safety	
2/ 2.5.1 b) & c)	Cross references regarding auxiliary machinery spaces are corrected.

Chapter 10

Fire Safety

Section 2

General Requirements for Vessels with Class Notation ‘HSC’

2.5 Classification of space use

2.5.1 For the purposes of classification of space use in accordance with fire hazard risks, the following grouping is applicable:

- b) “Areas of moderate fire hazard” referred to in Table 2.5.1 and 2.5.2 by B, include the following spaces:
- Auxiliary machinery spaces as defined in Chapter 1, 2.2.4~~5~~
 - Bond stores containing packaged beverages with alcohol content not exceeding 24% by volume
 - Crew accommodations containing sleeping berths
 - Service spaces
 - Sales shops having a deck area of less than 50 m² containing a limited amount of flammable liquids for sale and where no dedicated store is provided separately
 - Sales shops having a deck area of 50 m² or greater not containing flammable liquids
- c) “Areas of minor fire hazards” referred to in Tables 2.5.1 and 2.5.2 by C, include the following spaces:
- Trunks in direct communication with the above spaces.
 - Auxiliary machinery spaces as defined in Chapter 1, 2.2.5~~4~~
 - Cargo spaces
 - Fuel tank compartments
 - Public spaces
 - Tanks, voids and areas of little or no fire risk
 - Refreshment kiosks
 - Sales shops other than those specified in a) and b)
 - Corridors in passenger areas and stairway enclosures
 - Crew accommodation other than that mentioned in b)
 - Trunks in direct communication with the above spaces.

End of Chapter

Chapter 13

Electrical Installations

Section 1

General Requirements

1.13 Enclosures

1.13.1 The enclosure types given in Table 1.13.1 are required as a minimum.

Table 1.13.1 : Enclosure types in relation to location (N : Normally not accepted for installation in this location).								
Location	Switch-boards	Control gear and motor starters	Rotating machines	Transformers and rectifiers	Lighting fittings	Heating appliances	Socket outlets	Accessories such as switches, connection boxes
Engine rooms								
Above the floor	IP 22	IP 22	IP 22	IP 22	IP 22	IP 22	IP 44	IP 44
Dry control rooms	IP 22	IP 22	IP 22	IP 22	IP 22	IP 22	IP 22	IP 22
Below the floor	N	N	IP 44	N	IP 44	IP 44	N	IP 44
Closed compartments for fuel oil and lub. oil separators	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	N	IP 44
Fuel oil tanks	N	N	N	N	N	N	N	N
Ballast and other water tanks, bilge wells	N	N	IP 68	N	N	IP 68	N	N
Ventilation ducts	N	N	IP 44	N	N	N	N	N
Deckhouses, fore-castle spaces, steering gear compartments and similar spaces	IP 22	IP 22	IP 22	IP 22	IP 22	IP 22	IP 44	IP 44
Ballast pump rooms and similar rooms below the loadline	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 56	IP 56
Cargo holds	N	N	IP 44	N	IP 55	N	IP 56	IP 56
Open deck, keel ducts	IP 56	IP 56	IP 56	IP 56	IP 55	IP 56	IP 56	IP 56
Battery rooms, lamp rooms, paint stores, stores for welding gas bottles	N	N	EX	N	EX	EX	N	EX
Dry accommodation spaces	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20
Bath rooms and showers	N	N	N	N	IP 44	IP 44	N	IP 56
Galleys, laundries and similar rooms	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44

<u>Table 1.13.1 : Enclosure types in relation to location</u>									
<u>Condition in location</u>	<u>Example of location</u>	<u>Switchboards, control gear, motor starters</u>	<u>Generators</u>	<u>Motors</u>	<u>Transformers, semi-conductors, convertors</u>	<u>Luminaries</u>	<u>Heating appliances</u>	<u>Cooking appliances</u>	<u>Accessories¹ (switches, socket outlets, boxes)</u>
<u>Danger of touching live parts only</u>	<u>Dry accommodation spaces and dry control room</u>	<u>IP20</u>	<u>N</u>	<u>IP20</u>	<u>IP20</u>	<u>IP20</u>	<u>IP20</u>	<u>IP20</u>	<u>IP20</u>
<u>Danger of dripping liquid and/or moderate mechanical damage</u>	<u>Control rooms (Navigation Bridge)</u>	<u>IP22</u>	<u>N</u>	<u>IP22</u>	<u>IP22</u>	<u>IP22</u>	<u>IP22</u>	<u>IP22</u>	<u>IP22</u>
	<u>Engine and boiler rooms above floor</u>	<u>IP22</u>	<u>IP22</u>	<u>IP22</u>	<u>IP22</u>	<u>IP22</u>	<u>IP22</u>	<u>IP22</u>	<u>IP44</u>
	<u>Steering gear rooms</u>	<u>IP22</u>	<u>IP22</u>	<u>IP22</u>	<u>IP22</u>	<u>IP22</u>	<u>IP22</u>	<u>N</u>	<u>IP44</u>
	<u>Refrigerating machinery rooms (excluding ammonia plants)</u>	<u>IP22</u>	<u>N</u>	<u>IP22</u>	<u>IP22</u>	<u>IP22</u>	<u>IP22</u>	<u>N</u>	<u>IP44</u>
	<u>Emergency machinery rooms</u>	<u>IP22</u>	<u>IP22</u>	<u>IP22</u>	<u>IP22</u>	<u>IP22</u>	<u>IP22</u>	<u>N</u>	<u>IP44</u>
	<u>General storerooms</u>	<u>IP22</u>	<u>N</u>	<u>IP22</u>	<u>IP22</u>	<u>IP22</u>	<u>IP22</u>	<u>N</u>	<u>IP22</u>
	<u>Pantries</u>	<u>IP22</u>	<u>N</u>	<u>IP22</u>	<u>IP22</u>	<u>IP22</u>	<u>IP22</u>	<u>IP22</u>	<u>IP44</u>
	<u>Provision rooms</u>	<u>IP22</u>	<u>N</u>	<u>IP22</u>	<u>IP22</u>	<u>IP22</u>	<u>IP22</u>	<u>N</u>	<u>IP22</u>
<u>Increased danger of liquid and/or mechanical damage</u>	<u>Bathrooms and / or showers</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>IP34</u>	<u>IP44</u>	<u>N</u>	<u>IP55</u>
	<u>Engine and boiler rooms below floor</u>	<u>N</u>	<u>N</u>	<u>IP44</u>	<u>N</u>	<u>IP34</u>	<u>IP44</u>	<u>N</u>	<u>IP55¹</u>
	<u>Closed fuel oil and lube oil separator rooms</u>	<u>IP44</u>	<u>N</u>	<u>IP44</u>	<u>N</u>	<u>IP34</u>	<u>IP44</u>	<u>N</u>	<u>IP55¹</u>
<u>Increased danger of liquid and mechanical damage</u>	<u>Ballast pump rooms</u>	<u>IP44</u>	<u>N</u>	<u>IP44</u>	<u>IP44</u>	<u>IP34</u>	<u>IP44</u>	<u>N</u>	<u>IP55</u>
	<u>Refrigerated rooms</u>	<u>N</u>	<u>N</u>	<u>IP44</u>	<u>N</u>	<u>IP34</u>	<u>IP44</u>	<u>N</u>	<u>IP55</u>
	<u>Galleys and laundries</u>	<u>IP44</u>	<u>N</u>	<u>IP44</u>	<u>IP44</u>	<u>IP34</u>	<u>IP44</u>	<u>IP44</u>	<u>IP44</u>
<u>Danger of liquid spraying,</u>	<u>Shaft or pipe tunnels in double bottom</u>	<u>IP55</u>	<u>N</u>	<u>IP55</u>	<u>IP55</u>	<u>IP55</u>	<u>IP55</u>	<u>N</u>	<u>IP56</u>
<u>presence of cargo dust, serious mechanical damage, aggressive fumes</u>	<u>Holds for general cargo</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>IP55²</u>	<u>N</u>	<u>N</u>	<u>IP55²</u>
<u>Danger of liquid in massive quantities</u>	<u>Open deck</u>	<u>IP56</u>	<u>N</u>	<u>IP56</u>	<u>N</u>	<u>IP55</u>	<u>IP56</u>	<u>N</u>	<u>IP56</u>
<u>Danger of liquid submersion</u>	<u>Ballast and other water tanks, bilge wells</u>	<u>N</u>	<u>N</u>	<u>IPX8</u>	<u>N</u>	<u>N</u>	<u>IPX8</u>	<u>N</u>	<u>N</u>

[“N” – Normally not recommended for installation.](#)

[Notes:](#)

- [1. Socket-outlets are not to be installed in machinery spaces below the floor, closed fuel and lubricating oil separator rooms or spaces requiring certified safe-type equipment.](#)
- [2. For hazardous dust, an appropriate degree of protection is IP66 or certified safe type.](#)

Section 13

Electrical Equipment for Use in Explosive Atmospheres

13.1 General

[13.1.4 Requirements for electrical equipment allowed in battery rooms, paint stores and welding gas bottle stores are to comply with requirements](#)

[given in Rules and Regulations for Construction and Classification of Steel Ships, Part 4, Chapter 8, Section 11.](#)

End of Chapter