

Directive 2009/45/EC of the European Parliament and of the Council of 6 May 2009 on safety rules and standards for passenger ships (Recast) (Text with EEA relevance)

Article 1	Purpose
Article 2	Definitions
Article 3	Scope
Article 4	Categorisation of sea areas and classes of passenger ships
Article 5	Application
Article 6	Safety requirements
Article 7	Stability requirements and phasing-out of ro-ro passenger ships
Article 8	Safety requirements for persons with reduced mobility
Article 9	Additional safety requirements, equivalents, exemptions and safeguard measures
Article 10	Adaptations
Article 10a	Exercise of the delegation
Article 11	Committee
Article 12	Surveys
Article 13	Certificates
Article 14	1974 SOLAS Convention regulations
Article 15	Penalties
Article 16	Notification
Article 16a	Review
Article 17	Repeal
Article 18	Entry into force
Article 19	Addressees

ANNEX I

SAFETY REQUIREMENTS FOR NEW AND EXISTING
PASSENGER SHIPS ENGAGED ON DOMESTIC VOYAGES

CHAPTER I

GENERAL PROVISIONS

1. Where expressly provided, the regulations of this Annex are applicable...
2. New class B, C and D ships having a length...
3. Where regulations of this Annex do not apply to new...
4. Existing class C and D ships do not have to...
5. In addition, if it is found impracticable and/or unreasonable, class...
6. Regardless of what is provided in Article 6.1(b), Class D...

7. The provisions for navigation bridge visibility in Regulation V/22 of...
8. Wherever the application of an IMO resolution is required in...
9. Under repairs, alterations and modifications of a 'major character' is...
10. The indication '(R...)' that follows several titles of regulations in...
11. Provisions applicable to CLASS A SHIPS can be found in:...
12. Provisions applicable to CLASS A RO-RO PASSENGER SHIPS:

CHAPTER II-1

CONSTRUCTION — SUBDIVISION AND STABILITY, MACHINERY AND ELECTRICAL INSTALLATIONS

PART A

GENERAL

- 1 Definitions relating to Part B (R 2)
NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1 Subdivision load line is the waterline used in determining the...
 - .2 Length of the ship is the length measured between perpendiculars...
 - .3 Breadth of the ship is the extreme width from outside...
 - .4 Draught is the vertical distance from the moulded base line...
 - .5 Deadweight is the difference in tonnes between the displacement of...
 - .6 Lightweight is the displacement of a ship in tonnes without...
 - .7 Bulkhead deck is the uppermost deck up to which the...
 - .8 Margin line is a line drawn at least 76 mm...
 - .9 Permeability of a space is the percentage of that space...
 - .10 Machinery space is to be taken as extending from the...
 - .11 Passenger spaces are those spaces which are provided for the...
 - .12 Watertight in relation to structure means capable of preventing the...
 - .13 Weathertight means that water will not penetrate into the ship...
 - .14 Ro-ro passenger ship means a passenger ship with ro-ro cargo...

- 2 Definitions relating to Parts C, D, and E (R 3)...
NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1 Steering gear control system is the equipment by which orders...
 - .2 Steering gear power unit is:
 - .3 Auxiliary steering gear is the equipment other than any part...
 - .4 Normal operational and habitable condition is a condition under which...
 - .5 Emergency condition is a condition under which any services needed...
 - .6 Main source of electrical power is a source intended to...
 - .7 Dead ship condition is the condition under which the main...
 - .8 Main generating station is the space in which the main...
 - .9 Main switchboard is a switchboard which is directly supplied by...
 - .10 Emergency switchboard is a switchboard which in the event of...
 - .11 Emergency source of electrical power is a source of electrical...
 - .12 Maximum ahead service speed is the greatest speed which the...

Status: EU Directives are being published on this site to aid cross referencing from UK legislation. After IP completion day (31 December 2020 11pm) no further amendments will be applied to this version.

- .13 Maximum astern speed is the speed which it is estimated...
- .14(a) Machinery spaces are all machinery spaces of category A and...
- .14(b) Machinery spaces of category A are those spaces and trunks...
- .15 Power actuating system is the hydraulic equipment provided for supplying...
- .16 Control stations are those spaces in which the ship's radio...

PART A-1

STRUCTURE OF SHIPS

- 1 New installation of materials containing asbestos (R 3-5)
 - ALL SHIPS
 - .1 This Regulation shall apply to materials used for the structure,...
 - .2 For all ships, new installation of materials which contain asbestos...
- 2 Construction drawings maintained on board and ashore (R 3-7)
 - CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER...
 - .1 A set of as-built construction drawings and other plans showing...
 - .2 An additional set of such drawings shall be kept ashore...
 - .3 Reference is made to the IMO MSC/Circ.1135 on 'As-built...
- 3 Towing and mooring equipment (R 3-8)
 - CLASS B, C AND D SHIPS OF 24 METRES IN...
 - .1 Ships shall be provided with arrangements, equipment and fittings of...
 - .2 Arrangements, equipment and fittings provided in accordance with paragraph 1...
 - .3 Reference is made to the IMO MSC/Circ.1175 on 'Guidance...
 - .4 Each fitting or item of equipment provided under this Regulation...
- 4 Protection against noise
 - CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER...
 - .1 Ships of 1 600 gross tonnage and above shall be...

PART B

INTACT STABILITY, SUBDIVISION AND DAMAGE STABILITY

Part B-1

Ships constructed on or after 1 January 2009 – option...

Part B-2

Ships constructed before 1 January 2009

- 1 Intact stability Resolution A.749(18) as amended by Resolution MSC.75(69)
 - NEW CLASS A, B, C AND D SHIPS OF 24...
 - EXISTING CLASS A AND B SHIPS OF 24 METRES IN...
- 2 Watertight subdivision
 - NEW CLASS B, C AND D AND EXISTING CLASS B...
- 3 Floodable length (R 4)
 - NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1 The floodable length at a given point is the maximum...

-
- .2 In case of a ship not having a continuous bulkhead...
 - .3 Where a portion of an assumed margin line is appreciably...
- 4 Permissible length of compartments (R 6)
NEW CLASS B, C AND D AND EXISTING CLASS B...
- 5 Permeability (R 5)
NEW CLASS B, C AND D AND EXISTING CLASS B...
- 6 Subdivision factor
NEW CLASS B, C AND D SHIPS AND EXISTING CLASS...
EXISTING CLASS B NON RO-RO PASSENGER SHIPS:
- 7 Special requirements concerning ship subdivision (R 7)
NEW CLASS B, C AND D AND EXISTING CLASS B...
- .1 Where in a portion or portions of a ship the...
 - .2 A compartment may exceed the permissible length determined by the...
 - .3 A main transverse bulkhead may be recessed provided that all...
 - .4 Where a main transverse bulkhead is recessed or stepped, an...
 - .5 Where a main transverse watertight compartment contains local subdivision and...
- NEW CLASS B, C AND D SHIPS:
- .6 A main transverse bulkhead may be stepped provided that it...
 - .7 In ships of 100 metres in length and upwards, one...
 - .8 If the distance between two adjacent main transverse bulkheads, or...
 - .9 Where the required subdivision factor is 0,50, the combined length...
- 8 Stability in damaged conditions (R 8)
NEW CLASS B, C AND D AND EXISTING CLASS B...
- .1.1 Sufficient intact stability shall be provided in all service conditions...
 - .1.2 Where two adjacent main compartments are separated by a bulkhead...
 - .1.3 Where the required factor of subdivision is 0,50, the intact...
 - .2.1 The requirements of subparagraph .1 shall be determined by calculations...
 - .2.2 Where it is proposed to fit decks, inner skins or...
- NEW CLASS B, C AND D SHIPS AND EXISTING CLASS...
- .2.3 The stability required in the final condition after damage, and...
 - .2.4. When major progressive flooding occurs, that is when it causes...
 - .2.5 In cases where the progressive flooding is of limited nature...
 - .2.6 In intermediate stages of flooding, the maximum righting lever shall...
- NEW CLASS B, C AND D AND EXISTING CLASS B...
- .3 For the purpose of making damaged stability calculations the volume...
 - .4 Assumed extent of damage shall be as follows:
 - .5 Unsymmetrical flooding is to be kept to a minimum consistent...
 - .6 The final conditions of the ship after damage and, in...
 - .7 The master of the ship shall be supplied with the...
 - .8 The data referred to in paragraph .7 to enable the...
 - .9 Each ship shall have scales of draughts marked clearly at...
 - .10 On completion of loading of the ship and prior to...
 - .11 No relaxation from the requirements for damage stability may be...
 - .12 Relaxations from the requirements for damage stability shall be permitted...
- 8-1 Stability of ro-ro passenger ships in damaged conditions (R 8-1)...

EXISTING CLASS B RO-RO PASSENGER SHIPS:

- .1 Existing class B ro-ro passenger ships shall comply with Regulation...
- 8-2 Special requirements for ro-ro passenger ships carrying 400 persons or...
NEW CLASS B, C AND D AND EXISTING CLASS B...
- 8-3 Special requirements for passenger ships, other than ro-ro passenger ships,...
CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER...
- 9 Peak and machinery space bulkheads (R 10)
NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1 A forepeak or collision bulkhead shall be fitted which shall...
 - .2 Where any part of the ship below the waterline extends...
 - .3 Where a long forward superstructure is fitted, the forepeak or...
 - .4 The extension required in paragraph .3 need not be fitted...
 - .5 Ramps not meeting the above requirements shall be disregarded as...
 - .6 An afterpeak bulkhead, and bulkheads dividing the machinery space, from...
 - .7 In all cases stern tubes shall be enclosed in watertight...
- 10 Double bottoms (R 12)
NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1 In ships with a length of less than 50 metres...
 - .2 In ships of 50 metres and upwards but less than...
 - .3 In ships of 61 metres and upwards but less than...
 - .4 In ships of 76 metres in length and upwards, a...
 - .5 Where a double bottom is required to be fitted its...
 - .6 Small wells constructed in the double bottom in connection with...
 - .7 A double bottom need not be fitted in way of...
 - .8 Notwithstanding paragraph .1 of this Regulation 10, the Administration of...
- 11 Assigning, marking and recording of subdivision load lines (R 13)...
NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1 In order that the required degree of subdivision shall be...
 - .2 The subdivision load lines assigned and marked shall be recorded...
 - .3 The freeboard corresponding to each of these load lines shall...
 - .4 The freeboard corresponding to each approved subdivision load line and...
 - .5 In no case shall any subdivision load line mark be...
 - .6 Whatever may be the position of the subdivision load line...
 - .7 A ship shall in no case be so loaded that...
- 12 Construction and initial testing of watertight bulkheads, etc. (R 14)...
NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1 Each watertight subdivision bulkhead, whether transverse or longitudinal, shall be...
 - .2.1 Steps and recesses in bulkheads shall be watertight and as...
 - .2.2 Where frames or beams pass through a watertight deck or...
 - .3 Testing main compartments by filling them with water is not...
 - .4 The forepeak, double bottoms (including duct keels) and inner skins...
 - .5 Tanks which are intended to hold liquids, and which form...
 - .6 The tests referred to in paragraphs .4 and .5 are...

- 13 Openings in watertight bulkheads (R 15)
- NEW CLASS B, C AND D AND EXISTING CLASS B...
- .1 The number of openings in watertight bulkheads shall be reduced...
 - .2.1 Where pipes, scuppers, electrical cables, etc., are carried through watertight...
 - .2.2 Valves not forming part of a piping system shall not...
 - .2.3 Lead or other heat sensitive materials shall not be used...
 - .3.1 No doors, manholes, or access openings are permitted:
 - .3.2 Except as provided in paragraph .3.3, the collision bulkhead may...
 - .3.3 If the fore peak is divided to hold two different...
 - .4 Within spaces containing the main and auxiliary propulsion machinery including...
 - .5.1 EXISTING CLASS B SHIPS AND NEW CLASS B, C AND...
NEW CLASS B, C AND D SHIPS OF 24 METRES...
 - .5.2 EXISTING CLASS B SHIPS AND NEW CLASS B, C AND...
NEW CLASS B, C AND D SHIPS OF 24 METRES...
- NEW CLASS B, C AND D SHIPS AND EXISTING CLASS...
- .5.3 The means of operation whether by power or by hand...
- NEW CLASS B, C AND D SHIPS OF 24 METRES...
- .5.4 Watertight door controls, including hydraulic piping and electric cables, shall...
 - .5.5 All power-operated and hand-operated sliding watertight doors shall be provided...
- EXISTING CLASS B SHIPS AND NEW CLASS B, C AND...
- .5.6 Watertight doors which do not comply with paragraphs .5.1 to...
- NEW CLASS B, C AND D SHIPS OF LESS THAN...
- .6.1 Hand-operated sliding doors may have a horizontal or vertical motion....
- EXISTING CLASS B SHIPS:
- .6.2 Power-operated sliding doors may have a vertical or horizontal motion....
- NEW CLASS B, C AND D SHIPS OF 24 METRES...
- .7.1 Each power-operated sliding watertight door:
 - .7.2 The electrical power required for power-operated sliding watertight doors shall...
 - .7.3 Power-operated sliding watertight doors shall have either:
 - .7.4 Control handles shall be provided at each side of the...
- NEW CLASS B, C AND D SHIPS AND EXISTING CLASS...
- NEW CLASS B, C AND D SHIPS OF 24 METRES...
- .7.5 As far as practicable, electrical equipment and components for watertight...
 - .7.6 The enclosures of electrical components necessarily situated below the bulkhead...
 - .7.7 Electric power, control, indication and alarm circuits shall be protected...
 - .7.8 A single electrical failure in the power operating or control...
- .8.1 The central operating console at the navigating bridge shall have...
 - .8.2 The central operating console at the navigating bridge shall be...
 - .8.3 It shall not be possible to open any door remotely...
- NEW CLASS B, C AND D AND EXISTING CLASS B...
- .9.1 All watertight doors shall be kept closed during navigation except...
 - .9.2 A watertight door may be opened during navigation to permit...
 - .9.3 Certain watertight doors may be permitted to remain open during...

Status: EU Directives are being published on this site to aid cross referencing from UK legislation. After IP completion day (31 December 2020 11pm) no further amendments will be applied to this version.

- NEW CLASS B, C AND D SHIPS:
 - .10.1 If the Administration of the flag State is satisfied that...
 - .10.2 Such doors shall be closed before the voyage commences and...
 - .11 Portable plates on bulkheads shall not be permitted except in...

- 14 Ships carrying goods vehicles and accompanying personnel (R 16)
 - NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1 This Regulation applies to passenger ships designed or adapted for...
 - .2 If in such a ship the total number of passengers,...
 - .3 When applying the provisions of this chapter to such a...

- 15 Openings in the shell plating below the margin line (R...)
 - NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1 The number of openings in the shell plating shall be...
 - .2.1 The arrangement and efficiency of the means for closing any...
 - .2.2 Subject to the requirements of the International Convention of the...
 - .2.3 All side scuttles the sills of which are below the...
 - .2.4 Where in a between-deck, the sills of any of the...
 - .2.5 Sidescuttles and their deadlights which will not be accessible during...
 - .3 The number of scuppers, sanitary discharges and other similar openings...
 - .4 All inlets and discharges in the shell plating shall be...
 - .4.1 Subject to the requirements of the International Convention on Load...
 - .4.2 The requirements of the International Convention on Load Lines in...
 - .5 Machinery space main and auxiliary sea inlets and discharges in...
 - NEW CLASS B, C AND D SHIPS:
 - .1 The handwheels or handles of the sea cocks shall be...
 - .2 Discharge taps or valves on the side of the ship...
 - .3 All valves and taps in pipe systems such as bilge...
 - .4 Other outlet pipes shall, if they emerge below the deepest...
 - .5 If a valve with a direct closing mechanism is fitted,...
 - .6 When valves with direct closing mechanisms are placed in machinery...
 - .6 All shell fittings and valves required by this Regulation shall...
 - .7 Gangway, and cargo ports fitted below the margin line shall...
 - .8 Such ports shall in no case be so fitted as...

- 16 Watertight integrity of passenger ships above the margin line (R...)
 - NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1 All reasonable and practicable measures shall be taken to limit...
 - .2 The bulkhead deck or a deck above it shall be...
 - .3 In existing class B ships, the open end of air...
 - .4 Sidescuttles, gangway, cargo ports and the other means for closing...
 - .5 Efficient inside deadlights, so arranged that they can be easily...

- 17 Closure of cargo loading doors (R 20-1)
 - NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1 The following doors, located above the margin line, shall be...
 - .2 Notwithstanding the requirements of paragraph .1.1 and .1.4, the Administration...
 - .3 The master shall ensure that an effective system of supervision...
 - .4 The master shall ensure, before the ship proceeds on any...

-
- 17-1 Watertight integrity from the ro-ro deck (bulkhead deck) to spaces...
NEW CLASS B, C AND D RO-RO PASSENGER SHIPS:
.1.1 Subject to the provisions of paragraphs .1.2 and .1.3, all...
.1.2 where vehicle ramps are installed to give access to spaces...
.1.3 the Administration of the flag State may permit the fitting...
.1.4 the accesses referred to in paragraphs .1.2 and .1.3 shall...
.1.5 the master shall ensure that an effective system of supervision...
.1.6 the master shall ensure, before the ship leaves the berth...
.1.7 new class C ro-ro passenger ships of less than 40...
EXISTING CLASS B RO-RO PASSENGER SHIPS:
.2.1 All accesses from the ro-ro deck that lead to spaces...
.2.2 all such accesses shall be closed before the ship leaves...
.2.3 notwithstanding the requirements of paragraph .2.2, the Administration
of the...
- 17-2 Access to ro-ro decks (R 20-3)
ALL RO-RO PASSENGER SHIPS:
- 17-3 Closure of bulkheads on the ro-ro deck (R 20-4)
NEW CLASS B, C AND D AND EXISTING CLASS B...
.1 All transverse and longitudinal bulkheads which are taken into
account...
.2 Notwithstanding the requirements of paragraph .1, the Administration
of the...
- 18 Stability information (R 22)
NEW CLASS B, C AND D AND EXISTING CLASS B...
.1 Every passenger ship, shall be inclined upon its completion and...
.2 Where any alterations are made to a ship so as...
.3 At periodical intervals not exceeding five years, a lightweight survey...
.4 The Administration of the flag State may allow the inclining...
.5 When an accurate inclining is not practical, the lightweight
displacement...
- 19 Damage control plans (R 23)
NEW CLASS B, C AND D AND EXISTING CLASS B...
- 20 Integrity of the hull and superstructure, damage prevention and control...
.1 Indicators shall be provided on the navigating bridge for all...
.2 Television surveillance and a water leakage detection system shall be...
.3 Special category spaces and ro-ro cargo spaces shall be continuously...
.4 Documented operating procedures for closing and securing all shell doors,...
- 21 Marking, periodical operation and inspection of watertight doors, etc. (R...
NEW CLASS B, C AND D AND EXISTING CLASS B...
.1 Drills for the operating of the watertight doors, sidescuttles, valves...
.2 All watertight doors in main transverse bulkheads, in use at...
.3 The watertight doors and all mechanisms and indicators connected
herewith, ...
.4 Such valves, doors and mechanisms shall be suitably marked to...
- 22 Entries in log (R 25)
NEW CLASS B, C AND D AND EXISTING CLASS B...

Status: EU Directives are being published on this site to aid cross referencing from UK legislation. After IP completion day (31 December 2020 11pm) no further amendments will be applied to this version.

- .1 Hinged doors, portable plates, sidescuttles, gangway and cargo ports and...
 - .2 A record of all drills and inspections required by Regulation...
- 23 Hoistable car platforms and ramps
NEW CLASS A, B, C AND D AND EXISTING CLASS...
- 24 Railings
NEW CLASS A, B, C AND D SHIPS CONSTRUCTED ON...
- 1. On external decks to which passengers are permitted access, and...
 - 2. Stairs and landings on such external decks shall be provided...

PART C MACHINERY

- 1 General (R 26)
NEW CLASS B, C AND D AND EXISTING CLASS B...
- .1 The machinery, boilers and other pressure vessels, associated piping systems...
 - .2 Means shall be provided whereby normal operation of propulsion machinery...
 - .3 Means shall be provided to ensure that the machinery can...
- NEW CLASS B AND C SHIPS:
- .4 Main propulsion machinery and all auxiliary machinery essential to the...
- NEW CLASS A, B, C AND D SHIPS AND EXISTING...
- .5 Means shall be provided for the propulsion machinery and the...
- CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER...
- .6 Location and arrangement of vent pipes for fuel oil service,...
- 2 Internal combustion engines (R 27)
NEW CLASS B, C AND D AND EXISTING CLASS B...
- .1 Internal combustion engines of a cylinder diameter of 200 mm,...
- 3 Bilge pumping arrangement (R 21)
NEW CLASS B, C AND D AND EXISTING CLASS B...
- .1.1 An efficient bilge pumping system shall be provided, capable of...
 - .1.2 Sanitary, ballast and general service pumps may be accepted as...
 - .1.3 All bilge pipes used in or under fuel storage tanks...
 - .1.4 The arrangement of the bilge and ballast pumping system shall...
 - .1.5 All distribution boxes and manually operated valves in connection with...
- NEW CLASS B, C AND D SHIPS:
- .1.6 Provision shall be made for the drainage of enclosed cargo...
 - .1.6.1 Where the freeboard to the bulkhead deck is such that...
 - .1.6.2 Where the freeboard is such that the edge of the...
- NEW CLASS A, B, C AND D SHIPS:
- .1.6.3 The drainage from ro-ro decks and car decks shall be...
 - .1.6.4 When provided with sprinkler installations and hydrants, passenger and crew...
- NEW CLASS B, C AND D AND EXISTING CLASS B...
- .2.1 The bilge pumping system required by paragraph .1.1 shall be...
 - .2.2 Where practicable, the power bilge pumps shall be placed in...

- .2.3 With the exception of additional pumps which may be provided...
- .2.4 Each power bilge pump shall be capable of pumping water...
- .2.5 In addition to the direct bilge suction or suctions required...
- .2.6 The spindles of the sea inlet and direct suction valves...
- .2.7 All bilge suction piping up to the connection to the...
- .2.8 The diameter 'd' of the main and branch bilge suction...
- .2.9 Provision shall be made to prevent the compartment served by...
- .2.10 Distribution boxes, cocks and valves in connection with the bilge...
- .2.11 All cocks and valves referred to in paragraph .2.10 which...

- 4 Number and type of bilge pumps (R 21)
NEW CLASS B, C AND D AND EXISTING CLASS B...

- 5 Means of going astern (R 28)
NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1 Sufficient power for going astern shall be provided to secure...
 - .2 The ability of the machinery to reverse the direction of...
 - .3 The stopping times, ship headings and distances recorded on trials,...

- 6 Steering gear (R 29)
NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1 Every ship shall be provided with an efficient main and...
 - .2 The main steering gear and rudder stock where fitted shall...
 - .3 If fitted, the auxiliary steering gear shall be:
NEW CLASS B, C AND D SHIPS:
 - .4 Steering power units shall be:
NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .5 Where the main steering gear comprises two or more identical...
NEW CLASS B, C AND D SHIPS:
 - .6 Steering gear control shall be provided:
 - .7 Any main and auxiliary steering gear control system operable from...
 - .8 The electrical power circuits and the steering gear control systems...
 - .9 A means of communication shall be provided between the navigating...
 - .10 The angular position of the rudder(s) shall:
 - .11 Hydraulic power-operated steering gear shall be provided with the
following:...
 - .12 The steering gear compartments shall be:

- 7 Additional requirements for electric and electro-hydraulic steering gear (R 30)...
NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1 Means for indicating that the motors of electric and electro-hydraulic...
NEW CLASS B, C AND D SHIPS:
 - .2 Each electric or electro-hydraulic steering system comprising one or
more...
 - .3 Short circuit protection and an overload alarm shall be provided...
NEW CLASS B, C AND D SHIPS:
 - .4 When an auxiliary steering gear required by Regulation II-1/6.3.3 to...

- 8 Ventilating systems in machinery spaces (R 35)
NEW CLASS B, C AND D AND EXISTING CLASS B...

- 9 Communication between the navigating bridge and machinery space (R 37)...

- NEW CLASS B, C AND D AND EXISTING CLASS B...
- 10 Engineers' alarm (R 38)
NEW CLASS B, C AND D AND EXISTING CLASS B...
- 11 Location of emergency installations (R 39)
NEW CLASS B, C AND D AND EXISTING CLASS B...
- 12 Machinery controls (R 31)
NEW CLASS B, C AND D SHIPS:
.1 Main and auxiliary machinery essential for the propulsion and the...
.2 Where remote control of propulsion machinery from the navigating
bridge...
.3 Where the main propulsion and associated machinery, including
sources of...
.4 In general, automatic starting, operational and control systems shall
include...
CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER...
.5 Main and auxiliary machinery essential for the propulsion, control
and...
.6 Where remote control of propulsion machinery from the navigating
bridge...
.7 Where the main propulsion and associated machinery, including
sources of...
.8 In general, automatic starting, operational and control systems shall
include...
CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER...
.9 On new class B, C and D ships constructed on...
- 13 Steam pipe systems (R 33)
NEW CLASS B, C AND D SHIPS:
.1 Every steam pipe and every fitting connected thereto through which...
.2 Means shall be provided for draining every steam pipe in...
.3 If a steam pipe or fitting may receive steam from...
- 14 Air pressure systems (R 34)
NEW CLASS B, C AND D SHIPS:
.1 Means shall be provided to prevent overpressure in any part...
.2 The main starting air arrangements for main propulsion internal
combustion...
.3 All discharge pipes from starting air compressors shall lead directly...
.4 Provisions shall be made to reduce to a minimum the...
- 15 Protection against noise (R 36)
NEW CLASS B, C AND D SHIPS NOT COVERED UNDER...
- 16 Lifts
NEW CLASS A, B, C AND D SHIPS:
.1 Passenger and goods lifts shall, in respect of dimensioning, layout,...
.2 Installation drawings and maintenance instructions, including
provisions governing periodical inspections,...
.3 Following approval, the Administration of the flag State will issue...
.4 The Administration of the flag State may permit the periodical...

PART D

ELECTRICAL INSTALLATIONS

- 1 General (R 40)
NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1 Electrical installations shall be such that:
 - .2 The Administration of the flag State shall take appropriate steps...

 - 2 Main source of electrical power and lighting (R 41)
NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1 New ships of class C and D in which the...
 - .2.1 A main electric lighting system which shall provide illumination throughout...
 - .2.2 The arrangement of the main electric lighting system shall be...
 - .2.3 The arrangement of the emergency electric lighting system shall be...
 - .3 The main switchboard shall be so placed relative to one...
 CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER...
 - .4 In class B, C and D ships constructed on or...
-
- 3 Emergency source of electrical power (R 42)
NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1 Every ship shall be provided with a self-contained emergency source...
 - .2 The emergency source of electric power may be either an...
 - .3 The emergency source of electric power shall be so arranged...
 - .4 The emergency switchboard shall be situated as near as practicable...
 - .5 The emergency source of power required by paragraph .1 shall:...
 - .6 The transitional source of emergency electrical power required by paragraph...
 - .7 CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER...
-
- 4 Supplementary emergency lighting for ro-ro ships (R 42-1)
NEW CLASS B, C AND D AND EXISTING CLASS B...
-
- 5 Precautions against shock, fire and other hazards of electrical origin...
NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1 Exposed metal parts of electrical machines or equipment which are...
 - .2 All electrical apparatus shall be so constructed and so installed...
 - .3 The sides and the rear and, where necessary, the front...
 - .4 In distribution systems with no connection to earth, a device...
 - .5.1 All metal sheaths and armour of cables shall be electrically...
 - .5.2 All electrical cables and wiring external to equipment shall be...
 NEW CLASS B, C AND D SHIPS:
 - .5.3 Cables and wiring serving essential or emergency power, lighting, internal...
 - .6 Cables and wiring shall be installed and supported in such...
 NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .7.1 Each separate circuit shall be protected against short circuit and...
 NEW CLASS B, C AND D SHIPS:
 - .7.2 Lighting fittings shall be so arranged as to prevent temperature...
 - .8.1 Accumulator batteries shall be suitably housed, and compartments used primarily...
 - .8.2 Electrical or other equipment which may constitute a source of...

Status: EU Directives are being published on this site to aid cross referencing from UK legislation. After IP completion day (31 December 2020 11pm) no further amendments will be applied to this version.

- .9 Distribution systems shall be so arranged that fire in any...
NEW CLASS B, C AND D SHIPS, CONSTRUCTED ON OR...
- .10 No electrical equipment shall be installed in any space where...

PART E

ADDITIONAL REQUIREMENTS FOR SHIPS CONSTRUCTED WITH PERIODICALLY UNATTENDED MACHINERY SPACES...

Special consideration (R 54)

NEW CLASS B, C AND D AND EXISTING CLASS B...

1 General (R 46)

NEW CLASS B, C AND D AND EXISTING CLASS B...

- .1 The arrangements provided shall be such as to ensure that...
 - .2 Measures shall be taken to ensure that the equipment is...
 - .3 Every ship shall be provided with documentary evidence of its...
- ##### 2 Fire precautions (R 47)

NEW CLASS B, C AND D SHIPS:

- .1 Means shall be provided to detect and give alarms at...
- .2 Internal combustion engines of 2 250 kW and above or...

3 Protection against flooding (R 48)

NEW CLASS B, C AND D AND EXISTING CLASS B...

- .1 Bilge wells in periodically unattended machinery spaces shall be located...
- .2 Where the bilge pumps are capable of being started automatically,...
- .3 The location of the controls of any valve serving a...

4 Control of propulsion machinery from the navigating bridge (R 49)...

NEW CLASS B, C AND D SHIPS:

- .1 Under all sailing conditions, including manoeuvring, the speed, direction of...
- .2 Propulsion machinery orders from the navigating bridge shall be indicated...
- .3 Remote control of the propulsion machinery shall be possible only...
- .4 It shall be possible for all machinery essential for the...
- .5 The design of the remote automatic control system shall be...
- .6 Indicators shall be fitted on the navigating bridge for:
- .7 The number of consecutive automatic attempts which fail to produce...

5 Communication (R 50)

NEW AND EXISTING CLASS B SHIPS AND NEW CLASS C...

6 Alarm system (R 51)

NEW CLASS B, C AND D AND EXISTING CLASS B...

- .1 An alarm system shall be provided indicating any fault requiring...
- .2.1 The alarm system shall be continuously powered and shall have...

- .2.2 Failure of the normal power supply of the alarm system...
- .3.1 The alarm system shall be able to indicate at the...
- .3.2 Acceptance at the position referred to in paragraph .1 of...
- 7 Safety systems (R 52)
NEW CLASS B, C AND D AND EXISTING CLASS B...
- 8 Special requirements for machinery, boiler and electrical installations (R 53)...
NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1 The main source of electrical power shall comply with the...
 - .2 Where stand-by machines are required for other auxiliary machinery essential...
- 9 Automatic control and alarm system (R 53.4)
NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1 The control system shall be such that the services needed...
 - .2 An alarm shall be given on the automatic changeover.
 - .3 An alarm system complying with Regulation 6 shall be provided...
 - .4 A centralised control position shall be arranged with the necessary...
 - .5 Means shall be provided to keep the starting air pressure...

CHAPTER II-2

FIRE PROTECTION, FIRE DETECTION AND FIRE EXTINCTION

PART A

GENERAL

- 1 Basic principles (R 2)
NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1 The fire safety objectives of this chapter are to:
 - .2 In order to achieve the fire objectives set out in...
 - .3 The fire safety objectives set out in paragraph .1 shall...
 - .4 All ships which undergo repairs, alterations, modifications and outfitting related...
 EXISTING CLASS B SHIPS:
 - .5 Notwithstanding the provisions of paragraph .4, existing class B ships...
- 2 Definitions (R 3)
NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1 Non-combustible material is a material which neither burns nor gives...
 - .1.a FOR CLASS B, C AND D SHIPS CONSTRUCTED ON OR...
 - .2 A standard fire test is one in which specimens of...
 - .2.a. FOR CLASS B, C AND D SHIPS CONSTRUCTED ON OR...
 - .3 ' A ' class divisions are those divisions formed by...
 - .4 ' B ' class divisions are those divisions formed by...

Status: EU Directives are being published on this site to aid cross referencing from UK legislation. After IP completion day (31 December 2020 11pm) no further amendments will be applied to this version.

- .5 'C' class divisions are divisions constructed of approved...
 - .6 Continuous 'B' class ceilings or linings are those...
 - .7 Steel or other equivalent material. Where the words 'steel or...
 - .8 Low flame spread means that the surface thus described will...
 - .8a FOR CLASS B, C, AND D SHIPS CONSTRUCTED ON OR...
 - .9 Main vertical zones are those sections into which the hull,...
 - .10 Accommodation spaces are those spaces used for public spaces, corridors,...
 - .11 Public spaces are those portions of the accommodation which are...
 - .12 Service spaces are those spaces used for galleys, pantries containing...
 - .13 Cargo spaces are all spaces used for cargo (including cargo...
 - .13-1 Vehicle spaces are cargo spaces intended for the carriage of...
 - .14 Ro-ro cargo spaces are spaces not normally subdivided in any...
 - .15 Open ro-ro cargo spaces are ro-ro cargo spaces either open...
 - .15-1 Open vehicle spaces are those vehicle spaces either open at...
 - .16 Closed ro-ro cargo spaces are ro-ro cargo spaces which are...
 - .16-1 Closed vehicle spaces are vehicle spaces which are neither open...
 - .17 Weather deck is a deck which is completely exposed to...
 - .18 Special category spaces are those enclosed vehicle spaces above or...
 - .19.1 Machinery spaces of category A are those spaces and trunks...
 - .19.2 Machinery spaces are all machinery spaces of category A and...
 - .20 Oil fuel unit is the equipment used for the preparation...
 - .21 Control stations are those spaces in which the ship's radio...
 - .21.1 Central control station is a control station in which the...
 - .21.2 Continuously manned central control station is a central control station...
 - .22 Rooms containing furniture and furnishings of restricted fire risk are,...
 - .23 Ro-ro passenger ship means a passenger ship with ro-ro cargo...
 - .24 Fire Test Procedures Code means the International Code for Application...
 - .25 Fire Safety Systems Code means the International Code for Fire...
 - .26 Flashpoint is the temperature in degrees Celsius (closed cup test)...
 - .27 Prescriptive requirements mean the constructive characteristics, limiting dimensions or fire...
 - .28 Fire damper means, for the purpose of implementing Regulation II-2/B/9a,...
 - .29 Smoke damper means, for the purpose of implementing Regulation II-2/B/9a,...
- 3 Fire pumps, fire mains, hydrants, hoses and nozzles (R 4)...
- NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1.1 Every ship shall be provided with fire pumps, fire mains,...
 - NEW CLASS B, C AND D SHIPS CONSTRUCTED BEFORE 1...
 - .1.2 Where more than one independent fire pump is required, isolating...
 - NEW CLASS B, C AND D SHIPS CONSTRUCTED ON OR...
 - .1.3 Isolating valves to separate the section of the fire main...
 - NEW AND EXISTING CLASS B SHIPS AND NEW CLASS C...
 - .2 Capacity of fire pumps
 - .1 The required fire pumps shall be capable of delivering for...
 - .2 In every ship which is required by this Regulation to...
 - .3 In ships constructed on or after 1 January 2003 where...
 - .3 Arrangements of fire pumps, fire mains and ready availability of...
 - .1 Ships shall be provided with power driven fire pumps as...

-
- .2 Sanitary, ballast, bilge or general service pumps may be accepted...
 - .3 The arrangement of sea connections, fire pumps and their sources...
 - .4 In new class B ships certified to carry more than...
 - .5 In ships with a periodically unattended machinery space or when...
 - .6 The delivery valve of each fire pump shall be fitted...
 - .4 Diameter of and pressure in the fire mains
 - .1 The diameter of the fire main and water service pipes...
 - .2 With two pumps simultaneously delivering through nozzles specified in paragraph...
 - .3 The maximum pressure at any hydrant shall not exceed that...
 - .5 Number and position of hydrants
 - .1 The number and position of hydrants shall be such that...
 - .2 In the accommodation, service and machinery spaces the number and...
 - .3 Where access is provided to a machinery space at a...
 - .6 Pipes and hydrants
 - .1 Materials readily rendered ineffective by heat shall not be used...
 - .2 A valve shall be fitted to serve each fire hose...
 - .3 In ships constructed on or after 1 January 2003 isolating...
 - .7 Fire hoses
 - .1 Fire hoses shall be of non-perishable material, approved by the...
 - .2 There shall be at least one fire hose for each...
 - .8 Nozzles
 - .1.1 For the purposes of this chapter, standard nozzle sizes shall...
 - .1.2 All nozzles shall be of an approved dual-purpose type (i.e.,...
 - .2 For accommodation and service spaces, a nozzle size greater than...
 - .3 For machinery spaces and exterior locations, the nozzle size shall...
 - NEW CLASS C AND D SHIPS OF LESS THAN 24...
 - .9 Fire pumps, fire mains, hydrants, hoses, nozzles and ready availability...
 - .1 One independent fire pump is required, which shall be capable...
 - .2 Every ship carrying over 250 passengers shall be provided with...
 - .3 Sanitary, ballast, bilge or general service pumps may be accepted...
 - .4 Every ship shall be provided with a fire main having...
 - .5 Every ship shall be fitted with at least one fire...
 - .6 In ships with a periodically unattended machinery space or when...
 - .7 The delivery valve of each fire pump shall be fitted...
 - 4 Fixed fire-extinguishing systems (R 5 + 8 + 9 +...
 - .1 Fixed gas fire-extinguishing systems: General (R 5.1)
 - NEW CLASS B, C AND D SHIPS CONSTRUCTED BEFORE 1...

Status: EU Directives are being published on this site to aid cross referencing from UK legislation. After IP completion day (31 December 2020 11pm) no further amendments will be applied to this version.

- .1 The necessary pipes for conveying fire-extinguishing medium into protected spaces...
 - .2 The piping for the distribution of fire-extinguishing medium shall be...
 - .3 Means shall be provided to close from outside the protected...
 - .4 Means shall be provided for automatically giving audible warning of...
 - .5 The means of control of any fixed gas fire-extinguishing system...
 - .6 Automatic release of fire-extinguishing medium shall not be permitted, except...
 - .7 Where the quantity of extinguishing medium is required to protect...
 - .8 Except as otherwise permitted, pressure containers required for the storage...
 - .9 Means shall be provided for the crew or shore personnel...
 - .10 Containers for the storage of fire extinguishing medium and associated...
 - .11 When the fire-extinguishing medium is stored outside a protected space,...
 - .12 The use of a fire-extinguishing medium, which either by itself...
 - CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER...
 - .13 Fixed gas fire-extinguishing systems shall comply with the provisions of...
 - .14 Means shall be provided to close from outside the protected...
 - .15 When the fire-extinguishing medium is stored outside a protected space,...
 - NEW CLASS A, B, C AND D SHIPS AND EXISTING...
 - .16 Where the volume of free air contained in air receivers...
 - .17 Suppliers of fixed fire-extinguishing installations shall provide a description of...
 - .18 The quantity of the fire-extinguishing medium shall be checked at...
 - .19 The periodic checking which is carried out by the ship's...
 - .20 Non-prescribed fire extinguishing equipment which is installed e.g. in store...
 - .21 All doors to spaces protected by CO 2 installation shall...
 - .2 Carbon dioxide systems (R 5.2)
 - NEW CLASS B, C AND D SHIPS CONSTRUCTED BEFORE 1...
 - .1.1 For cargo spaces the quantity of CO 2 available shall,...
 - .1.2 For machinery spaces the quantity of carbon dioxide carried shall...
 - .2 For the purpose of this paragraph the volume of free...
 - .3 The fixed piping system shall be such that 85 %...
 - .4 Release mechanism of carbon dioxide:
 - .5 The Administration of the flag State shall ensure that the...
 - CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER...
 - .6 Carbon dioxide systems shall comply with the provisions of the...
 - .7 The Administration of the flag State shall ensure that the...
- .3 Fixed low-expansion foam fire-extinguishing systems in machinery spaces (R 8)...

- NEW CLASS B, C AND D SHIPS CONSTRUCTED BEFORE 1...
- .1 Where in any machinery space a fixed low-expansion foam fire-extinguishing...
 - .2 The means of control of any such systems shall be...
- CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER...
- .3 Fixed low-expansion foam fire-extinguishing systems in machinery spaces shall comply...
- .4 Fixed high-expansion foam fire-extinguishing systems in machinery spaces (R 9)...
- NEW CLASS B, C AND D SHIPS CONSTRUCTED BEFORE 1...
- .1 Any required fixed high-expansion foam system in machinery spaces shall...
 - .2 Supply ducts for delivering foam, air intakes to the foam...
 - .3 The arrangement of the foam generator delivery ducting shall be...
 - .4 The foam generator, its sources of power supply, foam forming...
- CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER...
- .5 Fixed high expansion foam fire-extinguishing systems in machinery spaces shall...
- .5 Fixed pressure water-spraying fire-extinguishing systems in machinery spaces (R 10)...
- NEW CLASS B, C AND D SHIPS CONSTRUCTED BEFORE 1...
- .1 Any required fixed pressure water-spraying fire-extinguishing system in machinery spaces...
 - .2 The number and arrangement of the nozzles shall be such...
 - .3 The system may be divided into sections, the distribution valves...
 - .4 The system shall be kept charged at the necessary pressure...
 - .5 The pump shall be capable of simultaneously supplying at the...
 - .6 Precautions shall be taken to prevent the nozzles from becoming...
- NEW CLASS B, C AND D SHIPS CONSTRUCTED BEFORE 1...
- .7 The pump may be driven by an independent internal combustion...
- CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER...
- .8 Fixed pressure water-spraying fire-extinguishing systems in machinery spaces shall comply...
- 5 Portable fire extinguishers (R 6)
- NEW CLASS B, C AND D SHIPS CONSTRUCTED BEFORE 1...
- .1 All fire extinguishers shall be of approved types and designs....
 - .2 The capacity of required portable fluid extinguishers shall be not...
 - .3 Spare charges shall be carried for 50 % of the...
 - .4 In general, portable CO₂ fire extinguishers shall not be...
- CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER...
- .5 Portable fire extinguishers shall comply with the provisions of the...
 - .6 Carbon dioxide fire extinguishers shall not be placed in accommodation...
 - .7 Fire extinguishers shall be situated ready for use at easily...
 - .8 Spare charges shall be provided for 100 % of the...
 - .9 For the extinguishers which cannot be recharged on board, additional...

- NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .10 Fire extinguishers containing an extinguishing medium which either by itself...
 - .11 The fire extinguishers shall be suitable for extinguishing fires which...
 - .12 One of the portable fire extinguishers intended for use in...
 - .13 The minimum number of fire extinguishers shall be as follows:...
 - .14 Portable fire extinguishers provided for use in accommodation or service...
 - .15 Periodic inspection of fire extinguishers:
- 6 Fire-extinguishing arrangements in machinery spaces (R 7)
 - IN NEW CLASS B, C AND D SHIPS OF 24...
 - .1 any one of the following fixed fire-extinguishing systems:
 - .2 at least one set of portable air-foam equipment consisting of...
 - .3 In each such space, approved foam-type fire extinguishers, each of...
 - IN NEW CLASS B, C AND D SHIPS OF LESS...
 - .4 one of the fixed fire-extinguishing systems specified in paragraph .1...
 - .5 one portable fire extinguisher suitable for extinguishing oil fires for...
 - IN NEW CLASS B, C AND D AND EXISTING CLASS...
 - .6 Each machinery space shall be provided with two suitable water...
 - IN NEW CLASS B, C AND D SHIPS AND EXISTING...
 - .7 When heated oil is used as heating medium, it may...
 - IN NEW CLASS B, C AND D SHIPS CONSTRUCTED ON...
 - .8 Machinery spaces of category A above 500 m 3 in...
- 7 Special arrangements in machinery spaces (R 11)
 - NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1 The number of skylights, doors, ventilators, openings in funnels to...
 - .2 Skylights shall be of steel and shall not contain glass...
 - NEW CLASS B, C AND D SHIPS:
 - .3 Doors other than power-operated watertight doors, shall be so arranged...
 - NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .4 Windows shall not be fitted in machinery space boundaries. This...
 - .5 Means of control shall be provided for:
 - .6 The controls required in paragraph .5 and Regulation II-2/A/10.2.5 shall...
 - .7 When access to any machinery space of category A is...
- 8 Automatic sprinkler, fire detection and fire alarm systems (R 12)...
 - NEW CLASS B, C AND D SHIPS CONSTRUCTED BEFORE 1...
 - .1 Any required automatic sprinkler, fire detection and fire alarm system...
 - .2 Each section of sprinklers shall include means for giving a...
 - .3 Sprinklers shall be grouped into separate sections, each of which...
 - .4 Each section of sprinklers shall be capable of being isolated...
 - .5 A gauge indicating the pressure in the system shall be...
 - .6 The sprinklers shall be resistant to corrosion by marine atmosphere....
 - .7 A list or plan shall be displayed at each indicating...
 - .8 Sprinklers shall be placed in an overhead position and spaced...
 - .9 A pressure tank having a volume equal to at least...
 - .10 Means shall be provided to prevent the passage of seawater...
 - .11 An independent power pump shall be provided solely for the...
 - .12 The pump and the piping system shall be capable of...

- .13 The pump shall have fitted on the delivery side a...
 - .14 The sea inlet to the pump shall wherever possible be...
 - .15 The sprinkler pump and tank shall be situated in a...
 - .16 There shall be not less than two sources of power...
 - .17 The sprinkler system shall have a connection from the ship's...
 - .18 A test valve shall be provided for testing the automatic...
 - .19 Means shall be provided for testing the automatic operation of...
 - .20 Switches shall be provided at one of the indicating positions...
 - .21 At least 6 spare sprinkler heads shall be provided for...
 - NEW CLASS B, C AND D SHIPS CONSTRUCTED ON OR...
 - .22 The automatic sprinkler, fire detection and fire alarm systems shall...
 - .23 For new C and D class ships of less than...
- 9 Fixed fire detection and fire alarm systems (R 13)
- NEW CLASS B, C AND D SHIPS CONSTRUCTED BEFORE 1...
- .1 General
 - .1 Any required fixed fire detection and fire alarm system with...
 - .2 Power supplies and electric circuits necessary for the operation of...
 - .3 There shall be not less than two sources of power...
 - .4 Detectors and manually operated call points shall be grouped into...
 - .5 The control panel shall be located on the navigating bridge...
 - .6 Indicating units shall, as a minimum, denote the section in...
 - .7 Clear information shall be displayed on or adjacent to each...
 - .8 Where the fire detection system does not include means of...
 - .9 If there is no fire detection system capable of remotely...
 - .10 A section of fire detectors which covers a control station,...
 - .11 Detectors shall be operated by heat, smoke or other products...
 - .12 Suitable instructions and component spares for testing and maintenance shall...
 - .13 The function of the detection system shall be periodically tested...
 - .14 The fire detection system shall not be used for any...
 - .15 Fire detection systems with a zone address identification capability shall...
 - .2 Installation requirements
 - .1 Manually operated call points shall be installed throughout the accommodation...
 - .2 Smoke detectors shall be installed in all stairways, corridors and...
 - .3 Where a fixed fire detection and fire alarm is required...
 - .4 Detectors shall be located for optimum performance. Positions near beams...
 - .5 The maximum spacing of detectors shall be in accordance with...
 - .6 Electrical wiring which forms part of the system shall be...
 - .3 Design requirements
 - .1 The system and equipment shall be suitably designed to withstand...
 - .2 Smoke detectors to be installed in stairways, corridors and escape...

Status: EU Directives are being published on this site to aid cross referencing from UK legislation. After IP completion day (31 December 2020 11pm) no further amendments will be applied to this version.

- .3 Heat detectors shall be certified to operate before the temperature...
 - .4 The permissible temperature of operation of heat detectors may be...
 - NEW CLASS B, C AND D SHIPS CONSTRUCTED ON OR...
 - .4.1 The fixed fire detection and fire alarm systems shall be...
 - .4.2 Manually operated call points complying with the Fire Safety Systems...
 - NEW CLASS A, B, C AND D SHIPS:
 - .5 In addition to the above provisions, the Administration of the...
- 10 Arrangements for oil fuel, lubricating oil and other flammable oils...
 - NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1 Limitations in the use of oil as fuel
 - .2 Oil fuel arrangements
 - .2 The ventilation of machinery spaces shall be sufficient under all...
 - .3 As far as practicable, oil fuel tanks shall be part...
 - .4 No oil fuel tank shall be situated where spillage or...
 - .5 Every oil fuel pipe, which, if damaged, would allow oil...
 - .6 Safe and efficient means of ascertaining the amount of oil...
 - NEW CLASS B, C AND D SHIPS:
 - .1 Sounding pipes shall not terminate in any space where the...
 - NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .2 Other means of ascertaining the amount of oil fuel contained...
 - .3 Means prescribed in subparagraph .2.6.2 shall be maintained in the...
 - .7 Provisions shall be made to prevent overpressure in any oil...
 - .8 Oil fuel pipes and their valves and fittings shall be...
 - NEW CLASS B, C AND D SHIPS:
 - .9 All external high pressure fuel delivery lines between the high...
 - .10 All surfaces with temperatures above 220 °C which may be...
 - .11 Oil fuel lines shall be screened or otherwise suitably protected...
 - NEW CLASS B, C AND D SHIPS CONSTRUCTED ON OR...
 - .12 Oil fuel lines shall not be located immediately above or...
 - .13 Components of a diesel engine fuel system shall be designed...
 - .14 In multi-engine installations which are supplied from the same fuel...
 - .15 Where the Administration of the flag State may permit the...
 - .16 Existing class B ships shall comply with the requirements of...
 - NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .3 Lubricating oil arrangements

- .4 Arrangements for other flammable oils
 - .5 Periodically unattended machinery spaces
 - .6 Prohibition of carriage of flammable oils in forepeak tanks
- 11 Firefighter's outfit (R 17)
- NEW CLASS B, C AND D AND EXISTING CLASS B...
- .1 For ships constructed before 1 July 2019 , a firefighter's...
 - .1a For ships constructed on or after 1 July 2019 ,...
 - .2 For each breathing apparatus a fireproof lifeline of sufficient length...
 - .3 New class B and existing class B ships of 24...
 - .4 In new and existing class B ships of less than...
 - .4a Fire-fighter's communication:
 - .5 The firefighter's outfits or sets of personal equipment shall be...
 - .6 When the Administration of a flag State considers that the...
- 12 Miscellaneous items (R 18)
- NEW CLASS B, C AND D AND EXISTING CLASS B...
- .1 Where class 'A' divisions are penetrated for the passage of...
 - .2 Where class 'B' divisions are penetrated for the passage of...
 - .3 Pipes penetrating 'A' or 'B' class divisions shall be of...
 - .4 In accommodation spaces, service spaces or control stations, pipes intended...
 - .5 Materials readily rendered ineffective by heat shall not be used...
 - .6 Electric radiators, if used, shall be fixed in position and...
 - .7 All waste receptacles shall be constructed of non-combustible materials with...
 - .8 In spaces where penetration of oil products is possible, the...
 - .9 Paint lockers and flammable liquid lockers shall be protected by...
- NEW CLASS A, B, C AND D SHIPS AND EXISTING...
- .10 Deep-fat friers, boiling and roasting apparatus:
- NEW CLASS A, B, C AND D SHIPS:
- .11 Heat bridges:
- NEW CLASS A, B, C AND D SHIPS AND EXISTING...
- .12 Pressurised gas containers:
- 13 Fire control plans (R 20)
- NEW CLASS B, C AND D AND EXISTING CLASS B...
- .1 In all ships general arrangement plans shall be permanently exhibited...
 - .2 In all ships with a length of 24 metres and...
- 14 Operational readiness and maintenance
- NEW CLASS B, C AND D AND EXISTING CLASS B...
- .1 General requirements
 - .1.1 Operational readiness
 - .1.2 Maintenance, testing and inspections
 - .2 Additional requirements
- 15 Instructions, on-board training and drills
- NEW CLASS B, C AND D AND EXISTING CLASS B...
- .1 Instructions, duties and organisation
 - .1 Crew members shall receive instructions on fire safety on-board the...

- .2 Crew members shall receive instructions on their assigned duties.
- .3 Parties responsible for fire extinguishing shall be organised. These parties...
- .2 On-board training and drills
 - .1 Crew members shall be trained to be familiar with the...
 - .2 Training in the use of the emergency escape breathing devices...
 - .3 Performance of crew members assigned fire-fighting duties shall be periodically...
 - .4 On-board training in the use of the ship's fire-extinguishing systems...
 - .5 Fire drills shall be conducted and recorded in accordance with...
 - .6 In ships subject to Regulation II-2/A/11, breathing apparatus cylinders used...
- .3 Training manuals
- .4 Fire control plans

16. Operations

NEW CLASS B, C, D AND EXISTING CLASS B SHIPS:...

PART B

FIRE SAFETY MEASURES

- 1 Structure (R 23)
 - NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1 The hull, superstructures, structural bulkheads, decks and deckhouses shall be...
 - .2 However, in cases where any part of the structure is...
- 2 Main vertical zones and horizontal zones (R 24)
 - NEW CLASS B, C AND D SHIPS:
 - .1.1 In ships carrying more than 36 passengers, the hull, superstructure...
 - NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1.2 For new class B, C and D ships carrying not...
 - NEW CLASS B, C AND D SHIPS:
 - .2 As far as practicable, the bulkheads forming the boundaries of...
 - NEW CLASS B, C AND D SHIPS AND EXISTING CLASS...
 - .3 Such bulkheads shall extend from deck to deck and to...
 - .4 Where a main vertical zone is subdivided by horizontal '...
 - .5 On ships designed for special purposes, such as automobile or...
- 3 Bulkheads within a main vertical zone (R 25)
 - NEW CLASS B, C AND D SHIPS CARRYING MORE THAN...
 - .1.1 For new ships carrying more than 36 passengers all bulkheads...
 - NEW CLASS B, C AND D SHIPS CARRYING NOT MORE...
 - .1.2 For new ships carrying not more than 36 passengers and...
 - NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .2 In new class B, C and D ships carrying not...
 - .3 All bulkheads required to be ' B ' class division,...
- 4 Fire integrity of bulkheads and decks in new ships carrying...

NEW CLASS B, C AND D SHIPS:

- .1 In addition to complying with the specific provisions for fire...
 - .2 The following requirements shall govern the application of the tables:...
 - .3 Continuous ' B ' class ceiling or linings, in association...
 - .4 In approving structural fire protection details the Administration of the...
- 5 Fire integrity of bulkheads and decks in new ships carrying...
NEW CLASS B, C, AND D SHIPS CARRYING NOT MORE...
- .1 In addition to complying with the specific provisions for fire...
 - .2 The following requirements shall govern application of the tables:
 - .3 Continuous ' B ' class ceilings or linings, in association...
 - .4 External boundaries which are required in Regulation 1.1 to be...
- 6 Means of escape (R 28)
NEW CLASS B, C AND D SHIPS AND EXISTING CLASS...
- .1 Stairways and ladders, corridors and doors shall be arranged to...
NEW CLASS B, C AND D SHIPS OF 24 METRES...
 - .5 At least one of the means of escape required by...
 - CLASS B, C AND D SHIPS OF 24 METRES IN...
 - .5a At least one of the means of escape required in...
 - NEW CLASS B, C AND D CONSTRUCTED BEFORE 1 JANUARY...
 - .6 Satisfactory protection of access from the stairway enclosures to the...
CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER...
 - .6a Protection of access from the stairway enclosures to the lifeboat...
NEW CLASS B, C AND D SHIPS:
 - .7 In addition to the emergency lighting required by Regulations II-1/D/3...
CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER...
 - .8 In ships carrying more than 36 passengers the requirements of...
 - .9 Normally locked doors that form part of an escape route....
 - NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .2 .1 In special category spaces the number and disposition of...
 - .1 In special category spaces the number and disposition of the...
 - .2 One of the escape routes from the machinery spaces where...
 - .3 Hoistable drive-up/down ramps to platform decks must not be capable...
 - .3.1 Two means of escape shall be provided from each machinery...
NEW CLASS A, B, C AND D SHIPS:
 - .3 From spaces for monitoring of operation of machinery, and from...
 - .4 The underside of stairs in machinery spaces shall be shielded...
 - NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .3.2 In a ship of less than 24 metres in length,...
 - .3.3 Two means of escape shall be provided from a machinery...

Status: EU Directives are being published on this site to aid cross referencing from UK legislation. After IP completion day (31 December 2020 11pm) no further amendments will be applied to this version.

- CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER...
 - .3.4 Two means of escape shall be provided from the main...
- .4 In no case shall lifts be considered as forming one...
- .5 NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1 Emergency escape breathing devices shall be carried, complying with the...
 - .2 At least two emergency escape breathing devices shall be carried...
 - .3 In ships carrying more than 36 passengers, two emergency escape...
 - .4 However, subparagraphs .5.2 and .5.3 do not apply to stairway...
 - .5 Within the machinery spaces, emergency escape breathing devices shall be...
 - .6 Reference is made to the Guidelines for the performance, location,...
 - .7 The number and location of these devices shall be indicated...
- 6-1 Escape routes on ro-ro passenger ships (R 28-1)
 - .1 REQUIREMENTS APPLICABLE TO NEW CLASS B, C AND D AND...
 - .1.1 This paragraph applies to new class B, C and D...
 - .1.2 Handrails or other handholds shall be provided in all corridors...
 - .1.3 Escape routes shall not be obstructed by furniture or other...
 - .1.4 Escape routes shall be provided from every normally occupied space...
 - .1.5 Where enclosed spaces adjoin an open deck, openings from the...
 - .1.6 Decks shall be sequentially numbered, starting with ' 1 '...
 - .1.7 Simple ' mimic ' plans showing the ' you are...
 - .1.8 Cabin and stateroom doors shall not require keys to unlock...
 - .2 REQUIREMENTS APPLICABLE TO NEW CLASS B, C AND D RO-RO...
 - .2.1 The lowest 0,5 metres of bulkheads and other partitions forming...
 - .2.2 The escape route from cabins to stairway enclosures shall be...
 - .2.3 External routes shall be provided from open decks, referred to...
 - .3 REQUIREMENTS APPLICABLE TO NEW CLASS B, C AND D RO-RO...
- 7 Penetrations and openings in ' A ' and ' B...
 - NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1 All openings in ' A ' class divisions shall be...
 - .2 The construction of all doors and door frames in ' ...
 - .3 It shall be possible for each door to be opened...
 - .4 Fire doors in main vertical zone bulkheads and stairways enclosures...
 - NEW CLASS B, C AND D SHIPS:
 - CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER...
 - NEW CLASS B, C AND D SHIPS:
 - .5 The requirements for ' A ' class integrity of the...
 - CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER...
 - NEW CLASS B, C AND D SHIPS:
 - .6 Except for watertight doors, weathertight doors (semi-watertight doors), doors leading...
 - NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .7 Doors and door frames in ' B ' class divisions and means...
 - .7.1 For reasons of noise reduction, the Administration may approve, as...
 - NEW CLASS B, C AND D SHIPS:
 - .8 Cabin doors in ' B ' class divisions shall be...

- NEW CLASS B, C AND D AND EXISTING CLASS B...
.9 The requirements for ' B ' class integrity of the...
- 8 Protection of stairways and lifts in accommodation and service spaces...
NEW CLASS B, C AND D SHIPS:
.1 All stairways shall be of steel frame construction, except where...
NEW CLASS B, C AND D AND EXISTING CLASS B...
.2 Stairway enclosures shall have direct access with the corridors and...
NEW CLASS B, C AND D AND EXISTING CLASS B...
.3 Lift trunks shall be so fitted as to prevent the...
- 9 Ventilation systems for ships built before the 1 January 2018...
.1 Ships carrying more than 36 passengers
NEW CLASS B, C AND D SHIPS:
.1 The ventilation system shall, in addition to paragraph 1 in...
NEW CLASS B, C AND D AND EXISTING CLASS B...
.2 In general, the ventilation fans shall be so disposed that...
.3 Where ventilation systems penetrate decks, precautions shall be taken, in...
NEW CLASS B, C AND D SHIPS:
.4 Ventilation ducts shall be constructed of the following materials:
CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER...
.5 Stairway enclosures shall be ventilated and shall be served only...
NEW CLASS B, C AND D AND EXISTING CLASS B...
.6 All power ventilation, except machinery space and cargo space ventilation...
NEW CLASS B, C AND D SHIPS:
.7 Where public spaces span three or more open decks and...
.8 Ventilation ducts shall be provided with suitably located hatches for...
.9 Exhaust ducts from galley ranges in which grease or fat...
.2 Ships carrying not more than 36 passengers
NEW CLASS B, C AND D SHIPS:
.1 Ventilation ducts shall be of non-combustible material. Short ducts, however,...
CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER...
.2a Where the ventilation ducts with a free-sectional area exceeding 0,02...
.2b In new class B, C and D ships constructed on...
.3 Ducts provided for the ventilation of machinery spaces, galleys, car...
.4 Ducts provided for ventilation to accommodation spaces, service spaces or...
.5 Ventilation ducts with a free-sectional area exceeding 0,02 m²...
.6 Such measures as are practicable shall be taken in respect...
.7 Where they pass through accommodation spaces or spaces containing combustible...
.8 Where it is necessary that a ventilation duct passes through...

Status: EU Directives are being published on this site to aid cross referencing from UK legislation. After IP completion day (31 December 2020 11pm) no further amendments will be applied to this version.

- NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .9 The main inlets and outlets of all ventilation systems shall...
- NEW CLASS B, C AND D SHIPS:
 - .10 Power ventilation of accommodation spaces, service spaces, cargo spaces, control...
- .3 CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER...
 - 9a Ventilation systems in ships
 - CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER...
 - .1 General
 - .1 Ventilation ducts, including single and double wall ducts, shall be...
 - .2 The following arrangements shall be tested in accordance with the...
 - .3 Fire dampers shall be easily accessible. Where they are placed...
 - .4 Ventilation ducts shall be provided with hatches for inspection and...
 - .5 The main inlets and outlets of ventilation systems shall be...
 - .6 Combustible gaskets in flanged ventilation duct connections are not permitted...
 - .7 Ventilation openings or air balance ducts between two enclosed spaces...
 - .2 Arrangement of ducts
 - .1 The ventilation systems for machinery spaces of category A, vehicle...
 - .2 Ducts provided for the ventilation of machinery spaces of category...
 - .3 Ducts provided for the ventilation of accommodation spaces, service spaces...
 - .4 As permitted by paragraphs .2.2 and .2.3 ducts shall be...
 - .5 For the purposes of paragraphs .2.4.1.4 and .2.4.2.2, ducts shall...
 - .6 Where it is necessary that a ventilation duct passes through...
 - .3 Details of fire dampers and duct penetrations
 - .1 Ducts passing through ' A ' class divisions shall meet...
 - .2 Ventilation ducts with a free cross-sectional area exceeding 0,02 m...
 - .3 All fire dampers shall be capable of manual operation. The...
 - .4 Ventilation systems for passenger ships carrying more than 36 passengers...
 - .1 In addition to the requirements in sections .1, .2 and...
 - .5 Exhaust ducts from galley ranges
 - .1 Requirements for passenger ships carrying more than 36 passengers
 - .1 In addition to the requirements in sections .1, .2 and...
 - .2 Exhaust ducts from ranges for cooking equipment installed on open...
 - .2 Requirements for passenger ships carrying not more than 36 passengers...
 - .6 Ventilation rooms serving machinery spaces of category A containing internal...

- .1 Where a ventilation room serves only such an adjacent machinery...
 - .2 Where a ventilation room serves such a machinery space as...
 - .7 Ventilation systems for laundries in passenger ships carrying more than...
- 10 Windows and sidescuttles (R 33)
NEW CLASS B, C AND D AND EXISTING CLASS B...
- .1 All windows and sidescuttles in bulkheads within accommodation and service...
 - .2 Notwithstanding the requirements of the tables in Regulations 4 and...
NEW CLASS B, C AND D SHIPS CARRYING MORE THAN...
 - .3 Windows facing life-saving appliances, embarkation and assembly areas, external stairs...
NEW CLASS B, C AND D SHIPS CARRYING NOT MORE...
 - .4 Notwithstanding the requirements of the tables in Regulation II-2/B/5, special...
- 11 Restricted use of combustible material (R 34)
NEW CLASS B, C AND D SHIPS:
- .1 Except in cargo spaces, mail rooms, baggage rooms, or refrigerated...
 - .2 Vapour barriers and adhesives used in conjunction with insulation, as...
CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER...
 - .3 The following surfaces shall have low flame-spread characteristics:
 - .4 The total volume of combustible facings, mouldings, decorations and veneers...
 - .5 Veneers used on surfaces and linings covered by the requirements...
 - .6 Furniture in stairway enclosures shall be limited to seating. It...
 - .7 Paints, varnishes and other finishes used on exposed interior surfaces...
CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER...
CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER...
- 12 Details of construction (R 35)
NEW CLASS B, C AND D AND EXISTING CLASS B...
- 13 Fixed fire detection and fire alarm systems and automatic sprinkler,...
NEW CLASS B, C AND D SHIPS:
- .1 In ships carrying not more than 36 passengers and in...
 - .2 Ships carrying more than 36 passengers, except ships with a...
 - .3 In periodically unattended machinery spaces a fixed fire detection and...
CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER...
 - .4 A fixed fire detection and fire alarm system of an...
 - .5 A fixed fire detection and fire alarm system of an...
 - .6 With regard to the fixed fire detection and fire alarm...
- 14 Protection of special category spaces (R 37)
- .1 Provisions applicable to special category spaces whether above or below...
NEW CLASS B, C AND D SHIPS AND EXISTING CLASS...
 - .1 General
 - .1 The basic principle underlying the provisions of this Regulation is...

- .2 Precautions against ignition of flammable vapours
 - .1 Electrical equipment and wiring, if fitted, shall be of a...
 - .2 Electrical equipment and wiring, if installed in an exhaust ventilation...
- .4 Permanent openings
CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER...
- 15 Fire patrols, detection, alarms and public address systems (R 40)...
NEW CLASS B, C AND D SHIPS:
 - .1 Manually operated call points complying with the requirements of Regulation...
 - .2 All ships shall at all times when at sea, or...
 - .3 A special alarm, operated from the navigating bridge or fire...
 - .4 A public address system or other effective means of communication...
 NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .5 For ships carrying more than 36 passengers an efficient patrol...
 NEW CLASS B, C AND D SHIPS:
 - .6 Ships carrying more than 36 passengers shall have the detection...
 - .7 The control panel shall be designed on the fail-safe principle,...
- 16 Upgrading of existing class B ships carrying more than 36...
 - .1 In addition to the requirements for existing class B ships...
 - .2 In addition:
 - .3 Not later than 1 October 2005 or 15 years after...
- 17 Special requirements for ships carrying dangerous goods (R 41)
NEW CLASS B, C AND D SHIPS CONSTRUCTED BEFORE 1...
CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER...
- 18 Special requirements for helicopter facilities
CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER...

CHAPTER III

LIFE SAVING APPLIANCES

- 1 Definitions (R 3)
NEW AND EXISTING CLASS B, C AND D SHIPS:
 - .1 For the purpose of this chapter, unless expressly provided otherwise,...
 - .2 'LSA Code' means the International Life-Saving Appliance (LSA)...
- 2 Communication, survival craft and rescue boats, personal life-saving appliances (R...
NEW AND EXISTING CLASS B, C AND D SHIPS:
 - .1 Every ship shall carry at least the radio life-saving appliances,...
 - .2 All above appliances, including their launching appliances where applicable, shall...
 - .3 Furthermore every ships shall carry for each life boat on...
 - .4 The provisions of paragraph .3.1 also apply to partially or...
 - .5 An immersion suit, complying with the requirements of section 2.3...
 - .6 Ships not carrying a lifeboat or a rescue boat shall...
- 3 Emergency alarm system, public address system, assembly list and emergency...

Status: EU Directives are being published on this site to aid cross referencing from UK legislation. After IP completion day (31 December 2020 11pm) no further amendments will be applied to this version.

- NEW AND EXISTING CLASS B, C AND D SHIPS:
 - .1 A general emergency alarm system (R 6.4.2)
FOR NEW CLASS B, C AND D SHIPS CONSTRUCTED ON...
 - .2 A public address system (R 6.5)
 - 2.1 In addition to the requirements of Regulation II-2/B/15.4 and of...
 - 2.2 The public address system shall be a loudspeaker installation enabling...
 - 2.3 The public address system shall be protected against unauthorised use...
FOR NEW CLASS B, C AND D SHIPS CONSTRUCTED ON...
 - 2.4 NEW CLASS B, C AND D SHIPS:
 - .1 The public address system shall have at least two loops...
 - .2 the public address system and its performance standards shall be...
 - 2.5 The public address system shall be connected to the emergency...
 - 2.6 Existing ships which are already fitted with the public address...
 - .3 Assembly list and emergency instructions (R 8)
 - .3a Radio communication personnel
NEW AND EXISTING CLASS B, C AND D SHIPS:
 - .1 In accordance with the provisions in SOLAS Regulation IV/16, every...
 - NEW AND EXISTING CLASS B AND C SHIPS:
 - .2 In class B and C ships, at least one person...
 - .4 Operating instructions (R 9)
 - .5 Training manual
 - .6 Instructions for maintenance (R 20.3)
- 4 Manning of survival craft and supervision (R 10)
NEW AND EXISTING CLASS B, C AND D SHIPS:
 - .1 There shall be a sufficient number of trained persons on...
 - .2 There shall be a sufficient number of crew members on...
 - .3 An officer or certified person shall be placed in charge...
 - .4 The master shall ensure the equitable distribution of persons referred...
- 5 Survival craft assembly and embarkation arrangements (R 11 + 23...)
NEW AND EXISTING CLASS B, C AND D SHIPS:
 - .1 Survival craft for which approved launching appliances are required shall...
 - .2 Assembly stations shall be provided close to the embarkation stations...
 - .3 Assembly and embarkation stations, alleyways, stairways and exits giving access...
 - .4 Lifeboats shall be capable of being boarded either directly from...
 - .5 Davit-launched life-rafts shall be capable of being boarded from a...
 - .6 Where necessary, means shall be provided for bringing the davit-launched...
NEW CLASS B, C AND D SHIPS:
 - .7 If a survival craft launching arrangement does not allow embarkation...

- NEW AND EXISTING CLASS B, C AND D SHIPS:
- .8 There shall be at least one embarkation ladder, complying with...
- 5-1 Requirements for ro-ro passenger ships (R 26);
- .1 Life-rafts
- CLASS B, C AND D RO-RO SHIPS CONSTRUCTED BEFORE 1...
- .1 The ro-ro passenger ship's life-rafts shall be served by marine...
- CLASS B, C AND D RO-RO SHIPS CONSTRUCTED ON OR...
- .2 The ro-ro passenger ship's life-rafts shall be served by marine...
- ALL CLASS B, C AND D RO-RO SHIPS
- .3 Every life-raft on ro-ro passenger ships shall be provided with...
- .4 Every life-raft on ro-ro passenger ships shall be of a...
- .5 Every life-raft on ro-ro passenger ships shall either be automatically...
- .2 Transponders
- ALL CLASS B RO-RO SHIPS
- .1 Not later than the date of the first periodical survey...
- .3 Fast rescue boats
- ALL CLASS B, C AND D RO-RO SHIPS
- .1 The rescue boat, if such a boat is required to...
- .2 The fast rescue boat shall be served by a suitable...
- .3 At least two crews of the fast rescue boat shall...
- .4 In the case where the arrangement or size of an...
- .4 Means of rescue
- ALL CLASS B, C AND D RO-RO SHIPS
- .1 Each ro-ro passenger ship shall be equipped with efficient means...
- .2 The means of transfer of survivors to the ship may...
- .3 If the slide of a marine evacuation system is intended...
- .5 Life jackets
- ALL CLASS B, C AND D RO-RO SHIPS
- .1 Notwithstanding the requirements of SOLAS Regulations III/7.2 and III/22.2 a...
- .2 In ro-ro passenger ships, each life jacket shall be fitted...
- 5-2 Helicopter landing and pick-up areas (R 28)
- NEW AND EXISTING CLASS B, C AND D RO-RO SHIPS:...
- .1 Ro-ro passenger ships shall be provided with a helicopter pick-up...
- .2 New ro-ro passenger ships of class B, C and D...
- 5-3 Decision support system for masters (R 29)
- NEW AND EXISTING CLASS B, C AND D SHIPS:
- .1 In all ships, a decision support system for emergency management...
- .2 The system shall, as a minimum, consist of a printed...
- .3 The emergency procedures established in the emergency plan or plans...
- .4 The emergency plan or plans shall have a uniform structure...
- .5 In addition to the printed emergency plan or plans the...
- 6 Launching stations (R 12)

NEW AND EXISTING CLASS B, C AND D SHIPS:

- 7 Stowage of survival craft (R 13 + 24)
NEW AND EXISTING CLASS B, C AND D SHIPS:
.1 Each survival craft shall be stowed:
.2 Lifeboats shall be stowed attached to launching appliances, and on...
.3 Every life-raft shall be stowed:
.4 Davit-launched life-rafts shall be stowed within reach of the lifting...
.5 Life-rafts intended for throw-overboard launching shall be so stowed
as...
.6 Life-rafts associated with a Marine Evacuation System (MES) shall:
- 8 Stowage of rescue boats (R 14)
NEW AND EXISTING CLASS B, C AND D SHIPS:
8a Stowage of marine evacuation systems (R 15)
NEW CLASS B,C AND D SHIPS AND EXISTING CLASS B,...
- 9 Survival craft launching and recovering arrangements (R 16)
NEW AND EXISTING CLASS B, C AND D SHIPS:
.1 Launching appliances complying with the requirements of section 6.1
of...
.2 Each lifeboat shall be provided with an appliance which is...
FOR NEW CLASS B, C AND D SHIPS CONSTRUCTED
ON...
.2a Not later than the first scheduled dry-docking after 1 January...
.3 Launching and recovering arrangements shall be such that the
appliance...
.4 Only one type of release mechanism shall be used for...
.5 Falls, where used, shall be long enough for survival craft...
.6 Preparation and handling of survival craft at any one launching...
.7 Means shall be available to prevent any discharge of water...
.8 During preparation and launching, the survival craft, its launching
appliance,...
- 10 Rescue boat embarkation, launching and recovery arrangements (R 17)
NEW AND EXISTING CLASS B, C AND D SHIPS:
.1 The rescue boat embarkation and launching arrangements shall be
such...
.2 The rescue boat shall be capable of being boarded and...
.3 If the rescue boat is included in the capacity of...
.4 Launching arrangements shall comply with the requirements of
Regulation 9...
.5 Recovery time of the rescue boat shall be not more...
.6 FOR NEW CLASS B, C AND D SHIPS CONSTRUCTED ON...
- 10a Recovery of persons from the water
CLASS B, C AND D SHIPS BUILT ON OR AFTER...
.1 All ships shall have ship-specific plans and procedures for recovery...
.2 Ro-Ro passenger ships which comply with Regulation III/5-1.4 shall
be...
- 11 Emergency instructions (R 19)
NEW AND EXISTING CLASS B, C AND D SHIPS:

Status: EU Directives are being published on this site to aid cross referencing from UK legislation. After IP completion day (31 December 2020 11pm) no further amendments will be applied to this version.

- 12 Operational readiness, maintenance and inspections (R 20)
NEW AND EXISTING CLASS B, C AND D SHIPS:
.1 Before the ship leaves port and at all times during...
.2 Maintenance and inspections of life-saving appliances shall be carried out...
- 13 Abandon ship training and drills (R 19 + R 30)...
NEW AND EXISTING CLASS B, C AND D SHIPS:
.1 Every crew member with assigned emergency duties shall be familiar...
.2 An abandon ship drill and fire drill shall take place...
.3 Each abandon ship drill shall include the actions required in...
.4 Lifeboats and rescue boats shall be lowered at successive drills...
.5 If a ship is fitted with marine evacuation systems drills...
.6 Emergency lighting for assembling and abandonment shall be tested at...
.7 Fire drills shall be carried out in accordance with the...
.8 On-board training and instructions shall be given to crew members...
.9 Crew members with enclosed space entry or rescue responsibilities shall...
.1 Enclosed space entry and rescue drills
.1 Enclosed space entry and rescue drills should be planned and...
.2 Each enclosed space entry and rescue drill shall include:
- 14 Records (R 19.5)
NEW AND EXISTING CLASS B, C AND D SHIPS:
.1 The date when musters are held, details of abandon ship...

CHAPTER IV

RADIO COMMUNICATIONS

1. Radio Communication equipment
CLASS D SHIPS
.1 Class D ships shall at least be provided with:

ANNEX II

FORM OF PASSENGER SHIP SAFETY CERTIFICATE

PASSENGER SHIP SAFETY CERTIFICATE (to be supplemented by a Record of Equipment)...

RECORD OF EQUIPMENT FOR THE PASSENGER SHIP SAFETY CERTIFICATE
This Record shall be permanently attached to the Passenger Ship...RECORD OF
EQUIPMENT FOR COMPLIANCE WITH THE PROVISIONS OF DIRECTIVE...

*Status: EU Directives are being published on this site to aid cross referencing from UK legislation. After
IP completion day (31 December 2020 11pm) no further amendments will be applied to this version.*

ANNEX III

GUIDELINES FOR SAFETY REQUIREMENTS FOR PASSENGER SHIPS AND HIGH-SPEED PASSENGER CRAFT FOR PERSONS WITH REDUCED MOBILITY

In applying the guidelines of this Annex, Member States shall...

1. ACCESS TO THE SHIP
2. SIGNS
3. MEANS TO COMMUNICATE MESSAGES
4. ALARM
5. ADDITIONAL REQUIREMENTS ENSURING MOBILITY INSIDE THE SHIP

ANNEX IV

PART A

PART B

ANNEX V

Status: EU Directives are being published on this site to aid cross referencing from UK legislation. After IP completion day (31 December 2020 11pm) no further amendments will be applied to this version.

- (1) [OJ C 151, 17.6.2008, p. 35.](#)
- (2) Opinion of the European Parliament of 21 October 2008 (not yet published in the Official Journal) and Council Decision of 23 April 2009.
- (3) [OJ L 144, 15.5.1998, p. 1.](#)
- (4) See Annex IV, Part A.
- (5) [OJ L 183, 29.6.1989, p. 1.](#)
- (6) [OJ L 378, 31.12.1986, p. 1.](#)
- (7) [OJ L 364, 12.12.1992, p. 7.](#)
- (8) [OJ L 46, 17.2.1997, p. 25.](#)
- (9) [OJ L 123, 17.5.2003, p. 22.](#)
- (10) [OJ L 324, 29.11.2002, p. 1.](#)
- (11) [OJ L 184, 17.7.1999, p. 23.](#)
- (12) [OJ L 157, 7.7.1995, p. 1.](#)