

Council Directive 98/18/EC of 17 March 1998 on
safety rules and standards for passenger ships (repealed)

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ANNEX I

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

CHAPTER I

GENERAL PROVISIONS

CHAPTER II-1

CONSTRUCTION — SUBDIVISION AND STABILITY, MACHINERY AND
ELECTRICAL INSTALLATIONS

PART A

GENERAL 1 Definitions relating to Part B (R 2) NEW...

GENERAL

- 1 Definitions relating to Part B (R 2)
NEW CLASS B, C AND D AND EXISTING CLASS B...
- 2 Definitions relating to Parts C, D, and E (R 3)
NEW CLASS B, C AND D AND EXISTING CLASS B...

PART B

INTACT STABILITY, SUBDIVISION AND
DAMAGE STABILITY 1 Intact stability Resolution...

INTACT STABILITY, SUBDIVISION AND DAMAGE STABILITY

- 1 Intact stability Resolution A.749 (18)
NEW CLASS A, B, C AND D SHIPS OF 24 METRES...
EXISTING CLASS A AND B SHIPS OF 24 METRES IN
LENGTH...
(a) The area under the curve of righting lever (GZ
curve)...
(b)
(c)
(d)
- 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
.2
.3
- 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
FOR NEW CLASS B, C AND D SHIPS AND EXISTING...
FOR EXISTING CLASS B NON RO-RO PASSENGER
SHIPS: 1,0
- 7 Special requirements concerning ship subdivision (R 7)
NEW CLASS B, C AND D AND EXISTING CLASS B
SHIPS:...
.1 Where in a portion or portions of a ship the...
.2
.3
.4
.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
.8
.9
- 8 Stability in damaged conditions (R 8)
NEW CLASS B, C AND D AND EXISTING CLASS B...
.1.1
.1.2
.1.3
.2.1
.2.2

- NEW CLASS B, C AND D SHIPS AND EXISTING CLASS...
- .2.3 The stability required in the final condition after damage, and...
- .2.4
- .2.5
- .2.6
- 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
- .6 The final conditions of the ship after damage and, in...
- .7
- .8
- .9
- .10
- .11
- .12
- 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 more...
 - 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
 - .2 Where any part of the ship below the waterline extends...
 - .3
 - .4 The extension required in paragraph 3 need not be fitted...
 - .5
 - .6
 - .7
 - .8
- 10 Double bottoms (R 12)
 - NEW CLASS B, C AND D AND EXISTING CLASS B SHIPS,...
 - .1 In new class B, C and D and existing class B...
 - .2
 - .3
 - .4
 - .5
- 11 Assigning, marking and recording of subdivision load lines (R 13)

- NEW CLASS B, C AND D AND EXISTING CLASS B...
- .1
- .2 The subdivision load lines assigned and marked shall be recorded...
- .3
- .4
- .5
- .6
- .7
- 12 Construction and initial testing of watertight bulkheads, etc. (R 14)
- NEW CLASS B, C AND D AND EXISTING CLASS B...
- .1
- .2.1
- .2.2
- .3
- .4
- .5
- .6
- 13 Openings in watertight bulkheads (R 15)
- NEW CLASS B, C AND D AND EXISTING CLASS B...
- .1
- .2.1
- .2.2
- .2.3
- .3.1 No doors, manholes, or access openings are permitted:
- .3.2
- .3.3
- .4
- .5.1 EXISTING CLASS B SHIPS AND NEW CLASS B, C AND D...
- NEW CLASS B, C AND D SHIPS OF 24 METRES IN...
- .5.2 EXISTING CLASS B SHIPS AND NEW CLASS B, C AND...
- NEW CLASS B, C AND D SHIPS OF 24 METRES IN...
- NEW CLASS B, C AND D SHIPS AND EXISTING CLASS...
- .5.3
- NEW CLASS B, C AND D SHIPS OF 24 METRES...
- .5.4
- .5.5
- EXISTING CLASS B SHIPS AND NEW CLASS B, C AND...
- .5.6
- NEW CLASS B, C AND D SHIPS OF LESS THAN...
- .6.1
- EXISTING CLASS B SHIPS:
- .6.2
- NEW CLASS B, C AND D SHIPS OF 24 METRES IN...
- .7.1 Each power-operated sliding watertight door:
- .7.2
- .7.3 Power-operated sliding watertight doors shall have either:

		.7.4	.....	NEW CLASS B, C AND D SHIPS AND EXISTING CLASS B...
				NEW CLASS B, C AND D SHIPS OF 24 METRES IN...
		.7.5	.....
		.7.6	.....
		.7.7	.....
		.7.8	.....
		.8.1	.....
		.8.2	.....
		.8.3	.....
				NEW CLASS B, C AND D AND EXISTING CLASS B...
		.9.1	.....
		.9.2	.....
		.9.3	.....
				NEW CLASS B, C AND D SHIPS:
		.10.1	.....
		.10.2	.....
		.11	.....
14	Ships carrying goods vehicles and accompanying personnel (R 16)			NEW CLASS B, C AND D AND EXISTING CLASS B...
		.1	.....
		.2	.....
		.3	.....
15	Openings in the shell plating below the margin line (R...			NEW CLASS B, C AND D AND EXISTING CLASS B...
		.1	.....
		.2	.....
		.2.2	.....
		.2.3	.....
		.2.4	.....
		.2.5	.....
		.3	.....
		.4	.....
		.4.1		Subject to the requirements of the International Convention on Load...
		.4.2	.....
		.5		Machinery space main and auxiliary sea inlets and discharges in...
				NEW CLASS B, C AND D SHIPS:
		.6	.....
		.7	.....
		.8	.....
16	Watertight integrity of passenger ships above the margin line (R...			NEW CLASS B, C AND D AND EXISTING CLASS B...
		.1	.....
		.2	.....
		.3	.....
		.4	.....
		.5	.....
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
- .3
- .4
- 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
- .1.2
- .1.3
- .1.4
- .1.5
- .1.6
- .1.7
- EXISTING CLASS B RO-RO PASSENGER SHIPS:
- .2.1
- .2.2
- .2.3
- .2.4
- 17-2 Access to ro-ro decks (R 20-3)
- ALL RO-RO PASSANGER 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
- .2
- 18 Stability information (R 22)
- NEW CLASS B, C AND D AND EXISTING CLASS B...
- .1
- .2
- .3
- .4
- 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
- .2
- .3
- .4
- 21 Marking, periodical operation and inspection of watertight doors, etc. (R...)
- NEW CLASS B, C AND D AND EXISTING CLASS B...
- .1
- .2
- .3
- .4
- 22 Entries in log (R 25)
- NEW CLASS B, C AND D AND EXISTING CLASS B...
- .1
- .2

- 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.
 - 2.

PART C

MACHINERY 1 General (R 26) NEW CLASS B, C AND...

MACHINERY

- 1 General (R 26)
 - NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1
 - .2
 - .3
 - NEW CLASS B AND C SHIPS:
 - .4
 - NEW CLASS A, B, C AND D SHIPS AND EXISTING...
 - .5
 - CLASS B, C AND D SHIPS, CONSTRUCTED ON OR AFTER...
 - .6
- 2 Internal combustion engines (R 27)
 - NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1
- 3 Bilge pumping arrangement (R 21)
 - NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1.1
 - .1.2
 - .1.3
 - .1.4
 - .1.5
 - NEW CLASS B, C AND D SHIPS:
 - .1.6
 - .1.6.1
 - .1.6.2
 - NEW CLASS A, B, C AND D SHIPS:
 - .1.6.3
 - .1.6.4
 - NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .2.1
 - .2.2
 - .2.3
 - .2.4
 - .2.5
 - .2.6
 - .2.7
 - .2.8 The diameter 'd' of the main and branch bilge suction...
 - .2.9
 - .2.10
 - .2.11

- 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
- .2
- .3
- 6 Steering gear (R 29)
NEW CLASS B, C AND D AND EXISTING CLASS B...
- .1
- .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
- .9
- .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
- NEW CLASS B, C AND D SHIPS:
- .2
- NEW CLASS B, C AND D AND EXISTING CLASS B...
- .3
- NEW CLASS B, C AND D SHIPS:
- .4
- 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
- .2 Where remote control of propulsion machinery from the navigating bridge...
- .3

- .4
- CLASS B, C AND D SHIPS, CONSTRUCTED ON OR AFTER...
- .5 The ships shall comply with the requirements of paragraphs .1 to .4...
- 13 Steam pipe systems (R 33)
NEW CLASS B, C AND D SHIPS:
 - .1
 - .2
 - .3
- 14 Air pressure systems (R 34)
NEW CLASS B, C AND D SHIPS:
 - .1
 - .2
 - .3
 - .4
- 15 Protection against noise (R 36)
NEW CLASS B, C AND D SHIPS:
- 16 Lifts
NEW CLASS A, B, C AND D SHIPS:
 - .1
 - .2
 - .3
 - .4

PART D

ELECTRICAL INSTALLATIONS 1 General (R 40) NEW CLASS B, C AND D AND...

ELECTRICAL INSTALLATIONS

- 1 General (R 40)
NEW CLASS B, C AND D AND EXISTING CLASS B SHIPS:
 - .1 Electrical installations shall be such that:
 - .2
- 2 Main source of electrical power and lighting (R 41)
NEW CLASS B, C AND D AND EXISTING CLASS B SHIPS:
 - .1 New ships of class C and D in which the electrical...
 - .2.1
 - .2.2
 - .2.3
 - .3
- 3 Emergency source of electrical power (R 42)
NEW CLASS B, C AND D AND EXISTING CLASS B SHIPS:
 - .1
 - .2
 - .3
 - .4
 - .5 The emergency source of power required by paragraph .1 shall:
 - .6 The transitional source of emergency electrical power required by paragraph .2...

- .7 CLASS B, C AND D SHIPS, CONSTRUCTED ON OR AFTER 1 JANUARY 2003:...
- 4 Supplementary emergency lighting for ro-ro ships (R 42-1)
NEW CLASS B, C AND D AND EXISTING CLASS B SHIPS:
- 5 Precautions against shock, fire and other hazards of electrical origin...
NEW CLASS B, C AND D AND EXISTING CLASS B SHIPS:
 - .1 Exposed metal parts of electrical machines or equipment which are...
 - .2
 - .3
 - .4
 - .5.1
 - .5.2
 - NEW CLASS B, C AND D SHIPS:
 - .5.3
 - .6
 - NEW CLASS B, C AND D AND EXISTING CLASS B SHIPS:
 - .7.1
 - NEW CLASS B, C AND D SHIPS:
 - .7.2
 - .8.1
 - .8.2
 - .9

PART E

ADDITIONAL REQUIREMENTS FOR PERIODICALLY UNATTENDED MACHINERY SPACES Special consideration (R 54)...

- ADDITIONAL REQUIREMENTS FOR PERIODICALLY UNATTENDED MACHINERY SPACES
- Special consideration (R 54)
NEW CLASS B, C AND D AND EXISTING CLASS B SHIPS:
- 1 General (R 46)
NEW CLASS B, C AND D AND EXISTING CLASS B SHIPS:
 - .1
 - .2
 - .3
 - 2 Fire precautions (R 47)
NEW CLASS B, C AND D SHIPS:
 - .1 Means shall be provided to detect and give alarms at...
 - .2
 - 3 Protection against flooding (R 48)
NEW CLASS B, C AND D AND EXISTING CLASS B SHIPS:
 - .1
 - .2
 - .3
 - 4 Control of propulsion machinery from the navigating bridge (R 49)

- NEW CLASS B, C AND D SHIPS:
 - .1 Under all sailing conditions, including manœuvring, the speed, direction of...
 - .2
 - .3
 - .4
 - .5
 - .6 Indicators shall be fitted on the navigating bridge for:
 - .7
- 5 Communication (R 50)
NEW AND EXISTING CLASS B SHIPS AND NEW CLASS C AND D...
- 6 Alarm system (R 51)
NEW CLASS B, C AND D AND EXISTING CLASS B SHIPS:
 - .1 An alarm system shall be provided indicating any fault requiring...
 - .2.1
 - .2.2
 - .3.1
 - .3.2
- 7 Safety systems (R 52)
NEW CLASS B, C AND D AND EXISTING CLASS B SHIPS:
- 8 Special requirements for machinery, boiler and electrical installations (R 53)
NEW CLASS B, C AND D AND EXISTING CLASS B SHIPS:
 - .1 The main source of electrical power shall comply with the...
 - .2
- 9 Automatic control and alarm system (R 53.4)
NEW CLASS B, C AND D AND EXISTING CLASS B SHIPS:
 - .1
 - .2
 - .3
 - .4
 - .5

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...

GENERAL

- 1 Basic principles (R 2)
NEW CLASS B, C AND D AND EXISTING CLASS B SHIPS:
 - .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 above 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 carrying more...
- 2 Definitions (R 3)
- NEW CLASS B, C AND D AND EXISTING CLASS B SHIPS:
- .1
- .1.a FOR B, C AND D SHIPS, CONSTRUCTED ON OR AFTER 1 JANUARY...
- .2 A standard fire test is one in which specimens of...
- .2a. FOR CLASS B, C AND D SHIPS, CONSTRUCTED ON OR AFTER 1 JANUARY...
- .3 'A' class divisions are those divisions formed by bulkheads and...
- .4 'B' class divisions are those divisions formed by bulkheads, decks,...
- .5
- .6
- .7
- .8
- .8a FOR CLASS B, C, AND D SHIPS, CONSTRUCTED ON OR AFTER...
- .9
- .10
- .11
- .12
- .13
- .13-1
- .14
- .15
- .15-1
- .16
- .16-1
- .17
- .18
- .19.1 Machinery spaces of category A are those spaces and trunks to...
- .19.2
- .20
- .21
- .21.1 Central control station is a control station in which the...
- .21.2
- .22 Rooms containing furniture and furnishings of restricted fire risk are,...
- .23
- .24
- .25

	.26	.....
	.27	.....
3	Fire pumps, fire mains, hydrants, hoses and nozzles (R 4)	
	NEW CLASS B, C AND D AND EXISTING CLASS B SHIPS:	
	.1.1	.....
	NEW CLASS B, C AND D SHIPS, CONSTRUCTED BEFORE 1 JANUARY 2003:	
	.1.2	.....
	NEW CLASS B, C AND D SHIPS, CONSTRUCTED ON OR AFTER 1 JANUARY...	
	.1.3	.....
	ALL NEW AND EXISTING CLASS B SHIPS AND NEW CLASS C AND...	
	.2	Capacity of fire pumps
	.1	.....
	.2	.....
	.3	.....
	.3	Arrangements of fire pumps, fire mains and ready availability of...
	.1	Ships shall be provided with power driven fire pumps as...
	.2	.....
	.3	The arrangement of sea connections, fire pumps and their sources...
	.4	.....
	.5	.....
	.6	.....
	.4	Diameter of and pressure in the fire mains
	.1	.....
	.2	Withtwo pumps simultaneously delivering through nozzles specified in paragraph .8...
	.3	.....
	.5	Number and position of hydrants
	.1	.....
	.2	.....
	.3	.....
	.6	Pipes and hydrants
	.1	.....
	.2	.....
	.3	.....
	.7	Fire hoses
	.1	.....
	.2	.....
	.8	Nozzles
	.1.1	.....
	.1.2	.....
	.2	.....
	.3	.....
	NEW CLASS C AND D SHIPS OF LESS THAN 24 METRES...	
	.9	Fire pumps, fire mains, hydrants, hoses, nozzles and ready availability...

	.1	.....
	.2	.....
	.3	.....
	.4	.....
	.5	.....
	.6	.....
	.7	.....
4	Fixed fire-extinguishing systems (R 5 + 8 + 9 + 10)	
	.1	Fixed gas fire-extinguishing systems: General (R 5.1)
		NEW CLASS B, C AND D SHIPS, CONSTRUCTED BEFORE 1 JANUARY...
	.1	.....
	.2	.....
	.3	.....
	.4	.....
	.5	.....
	.6	.....
	.7	.....
	.8	.....
	.9	.....
	.10	.....
	.11	When the fire-extinguishing medium is stored outside a protected space,...
	.12	.....
		NEW CLASS B, C AND D SHIPS, CONSTRUCTED ON OR...
	.13	.....
	.14	.....
	.15	When the fire-extinguishing medium is stored outside a protected space,...
		NEW CLASS A, B, C AND D SHIPS AND EXISTING...
	.16	.....
	.17	.....
	.18	.....
	.19	.....
	.20	.....
	.21	.....
	.2	Carbon dioxide systems (R 5.2)
		NEW CLASS B, C AND D SHIPS, CONSTRUCTED BEFORE 1 JANUARY...
	.1.1	For cargo spaces the quantity of CO2 available shall, unless...
	.1.2	For machinery spaces the quantity of carbon dioxide carried shall...
	.2	.....
	.3	.....
	.4	Release mechanism of carbon dioxide:
	.5	.....
		NEW CLASS B, C AND D SHIPS, CONSTRUCTED ON OR...
	.6	.....
	.7	.....

- .3 Fixed low-expansion foam fire-extinguishing systems in machinery spaces (R 8)...
 - NEW CLASS B, C AND D SHIPS, CONSTRUCTED BEFORE 1 JANUARY...
 - .1
 - .2
 - NEW CLASS B, C AND D SHIPS, CONSTRUCTED ON OR...
 - .3
- .4 Fixed high-expansion foam fire-extinguishing systems in machinery spaces (R 9)...
 - NEW CLASS B, C AND D SHIPS, CONSTRUCTED BEFORE 1 JANUARY...
 - .1
 - .2
 - .3
 - .4
 - NEW CLASS B, C AND D SHIPS, CONSTRUCTED ON OR...
 - .5
- .5 Fixed pressure water-spraying fire-extinguishing systems in machinery spaces (R 10)...
 - NEW CLASS B, C AND D SHIPS CONSTRUCTED BEFORE 1 JANUARY...
 - .1
 - .2
 - .3
 - .4
 - .5
 - .6
 - NEW CLASS B, C AND D SHIPS, CONSTRUCTED BEFORE 1 JANUARY...
 - .7
 - NEW CLASS B, C AND D SHIPS, CONSTRUCTED ON OR...
 - .8
- 5 Portable fire extinguishers (R 6)
 - NEW CLASS B, C AND D SHIPS, CONSTRUCTED BEFORE 1 JANUARY...
 - .1
 - .2
 - .3
 - .4
 - NEW CLASS B, C AND D SHIPS, CONSTRUCTED ON OR...
 - .5
 - .6
 - .7
 - .8
 - .9
 - NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .10
 - .11

- .12
 .13 The minimum number of fire extinguishers shall be as follows:...
- .14
 .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
 .3
 IN NEW CLASS B, C AND D SHIPS OF LESS...
- .4
 .5 one portable fire extinguisher suitable for extinguishing oil fires for...
 IN NEW CLASS B, C AND D AND EXISTING CLASS...
- .6
 IN NEW CLASS B, C AND D SHIPS AND EXISTING...
- .7
 IN NEW CLASS B, C AND D SHIPS, CONSTRUCTED ON...
8.
 IN NEW CLASS B, C AND D, CONSTRUCTED BEFORE 1 JANUARY...
- .9
- 7 Special arrangements in machinery spaces (R 11)
 NEW CLASS B, C AND D AND EXISTING CLASS B...
- .1
 .2
 NEW CLASS B, C AND D SHIPS:
- .3
 NEW CLASS B, C AND D AND EXISTING CLASS B...
- .4
 .5 Means of control shall be provided for:
 .6
 .7
- 8 Automatic sprinkler, fire detection and fire alarm systems (R 12)...
 NEW CLASS B, C AND D SHIPS, CONSTRUCTED BEFORE 1 JANUARY...
- .1
 .2
 .3
 .4
 .5
 .6
 .7
 .8 Sprinklers shall be placed in an overhead position and spaced...
 .9
 .10
 .11
 .12
 .13

	.14	.....
	.15	.....
	.16	.....
	.17	.....
	.18	.....
	.19	.....
	.20	.....
	.21	.....
	NEW CLASS B, C AND D SHIPS, CONSTRUCTED ON OR...	
	.22	.....
	.23	.....
9	Fixed fire detection and fire alarm systems (R 13)	
	NEW CLASS B, C AND D SHIPS, CONSTRUCTED BEFORE 1 JANUARY...	
	.1	General
	.1	.....
	.2	.....
	.3	.....
	.4	.....
	.5	.....
	.6	.....
	.7	.....
	.8	.....
	.9	.....
	.10	.....
	.11	.....
	.12	.....
	.13	The function of the detection system shall be periodically tested...
	.14	.....
	.15	Fire detection systems with a zone address identification capability shall...
	.2	Installation requirements
	.1	.....
	.2	.....
	.3	.....
	.4	.....
	.5	The maximum spacing of detectors shall be in accordance with...
	.6	.....
	.3	Design requirements
	.1	.....
	.2	Smoke detectors to be installed in stairways, corridors and escape...
	.3	.....
	.4	.....
	NEW CLASS B, C AND D SHIPS, CONSTRUCTED ON OR...	
	.4.1	.....
	.4.2	.....
	NEW CLASS A, B, C AND D SHIPS:	
	.5	.....

- 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
 - .1.1
 - .1.2
 - .2
 - .3
 - .4
 - .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
 - .1.1
 - .1.2
 - .1.3
 - NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .2
 - .3
 - .7
 - .8 Oil fuel pipes and their valves and fittings shall be...
 - NEW CLASS B, C AND D SHIPS:
 - .9
 - .10
 - .11
 - NEW CLASS B, C AND D SHIPS, CONSTRUCTED ON OR...
 - .12
 - .13
 - .14
 - .15
 - .16
 - 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 A firefighter's outfit shall consist of:
 - .2
 - .3 New class B and existing class B ships of 24 metres...
 - .4
 - .5
- 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
- .5
- .6
- .7
- .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
- 14 Operational readiness and maintenance
NEW CLASS B, C AND D AND EXISTING CLASS B SHIPS:...
 - .1 General requirements
 - .2 Additional requirements
- 15 Instructions, on-board training and drills
NEW CLASS B, C AND D AND EXISTING SHIPS:
 - .1 Instructions, duties and organisation
 - .1
 - .2
 - .3
 - .2 On-board training and drills
 - .1
 - .2
 - .3
 - .4
 - .5
 - .3 Training manuals
 - .4 Fire control plans
- 16. Operations
NEW CLASS B, C, D AND EXISTING CLASS B SHIPS:...
 - .1
 - .2
 - .3
 - .4

PART B

FIRE SAFETY MEASURES 1 Structure (R 23) NEW CLASS B, C...

FIRE SAFETY MEASURES

- 1 Structure (R 23)
 - NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1
 - .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 and...
 - NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .1.2
 - NEW CLASS B, C AND D SHIPS:
 - .2
 - NEW CLASS B, C AND D SHIPS AND EXISTING CLASS...
 - .3
 - .4
 - .5
- 3 Bulkheads within a main vertical zone (R 25)
 - NEW CLASS B, C AND D SHIPS CARRYING MORE THAN...
 - .1.1
 - NEW CLASS B, C AND D SHIPS CARRYING NOT MORE...
 - .1.2 For new ships carrying not more than 36 passengers and existing...
 - NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .2 In new class B, C and D ships carrying not...
 - .3
- 4 Fire integrity of bulkheads and decks in new ships carrying...
 - NEW CLASS B, C AND D SHIPS:
 - .1
 - .2 The following requirements shall govern the application of the tables:...
 - .3
 - .4
- 5 Fire integrity of bulkheads and decks in new ships carrying...
 - NEW CLASS B, C, AND D SHIPS CARRYING NOT MORE THAN...
 - .1 In addition to complying with the specific provisions for fire...
 - .2 The following requirements shall govern application of the tables:
 - .3
 - .4
 - Notes to be applied to both tables 5.1 and 5.2, as...
- 6 Means of escape (R 28)
 - NEW CLASS B, C AND D SHIPS AND EXISTING CLASS B SHIPS:
 - .1
 - .1 Below the bulkhead deck two means of escape, at least...
 - .2
 - .3

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- .4 In existing class B ships, a corridor, or part of a...
NEW CLASS B, C AND D SHIPS OF 24 METRES IN LENGTH AND...
.5 At least one of the means of escape required by...
NEW CLASS B, C AND D SHIPS OF 24 METRES IN LENGTH AND...
.5a At least one of the means of escape required in...
NEW CLASS B, C AND D, CONSTRUCTED BEFORE 1 JANUARY 2003 AND EXISTING...
.6
NEW CLASS B, C AND D SHIPS, CONSTRUCTED ON OR AFTER 1 JANUARY...
.6a
NEW CLASS B, C AND D SHIPS:
.7 In addition to the emergency lighting required by regulations II-1/D/3...
NEW CLASS B, C AND D SHIPS, CONSTRUCTED ON OR AFTER 1 JANUARY...
.8
.9 Normally locked doors that form part of an escape route....
NEW CLASS B, C AND D AND EXISTING CLASS B SHIPS:
.2 .1 In special category spaces the number and disposition of...
.1 In special category spaces the number and disposition of the...
.2
.3
.3.1
.1 Where the space is below the bulkhead deck the two...
.2
NEW CLASS A, B, C AND D SHIPS:
.3
.4
NEW CLASS B, C AND D AND EXISTING CLASS B SHIPS:
.3.2 In a ship of less than 24 metres in length, the...
.3.3
.4
.5 NEW CLASS B, C AND D AND EXISTING CLASS B SHIPS OF...
.1
.2
.3
.4

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	.5
	.6
	.7
6-1	Escape routes on ro-ro passenger ships (R 28-1)	
	.1
	.1.1
	.1.2
	.1.3
	.1.4
	.1.5
	.1.6
	.1.7
	.1.8
	.2
	.2.1
	.2.2	.....
	.2.3	.....
	.3	.....
7	Penetrations and openings in ‘A’ and ‘B’ class divisions (R 30,...	
	NEW CLASS B, C AND D AND EXISTING CLASS B SHIPS:	
	.1	.....
	.2	.....
	.3	.....
	.4	Fire doors in main vertical zone bulkheads and stairways enclosures...
	.1	.....
		NEW CLASS B, C AND D SHIPS:
	.2	.....
	.3	.....
	.4	.....
	.5	.....
	.6	.....
	CLASS B, C AND D SHIPS CONSTRUCTED ON OR AFTER 1 JANUARY 2003:...	
	.4a	Fire doors in main vertical zone bulkheads, galley boundaries and...
		NEW CLASS B, C AND D SHIPS:
	.5	.....
	CLASS B, C AND D SHIPS, CONSTRUCTED ON OR AFTER 1 JANUARY 2003:...	
		NEW CLASS B, C AND D SHIPS:
	.6	.....
	NEW CLASS B, C AND D AND EXISTING CLASS B SHIPS:	
	.7	.....
	.7.1	For reasons of noise reduction, the Administration may approve, as...
		NEW CLASS B, C AND D SHIPS:
	.8	.....
	NEW CLASS B,C AND D AND EXISTING CLASS B SHIPS:	
	.9	.....

- 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 and shall...
 - NEW CLASS B, C AND D AND EXISTING CLASS B SHIPS:
 - .2 Stairway enclosures shall have direct access with the corridors and...
 - NEW CLASS B, C AND D AND EXISTING CLASS B SHIPS:
 - .3
- 9 Ventilation systems (R 32)
 - .1 Ships carrying more than 36 passengers
 - NEW CLASS B, C AND D SHIPS:
 - .1
 - NEW CLASS B, C AND D AND EXISTING CLASS B SHIPS:
 - .2
 - .3
 - NEW CLASS B, C AND D SHIPS:
 - .4 Ventilation ducts shall be constructed of the following materials:
 - .5
 - NEW CLASS B, C AND D AND EXISTING CLASS B SHIPS:
 - .6
 - NEW CLASS B, C AND D SHIPS:
 - .7
 - .8
 - .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,...
 - .2a Where the ventilation ducts with a free-sectional area exceeding 0,02 m²...
 - .2b
 - .3 Ducts provided for the ventilation of machinery spaces, galleys, car...
 - .4 Ducts provided for ventilation to accommodation spaces, service spaces or...
 - .5
 - .6
 - .7 Where they pass through accommodation spaces or spaces containing combustible...
 - .8
 - NEW CLASS B, C AND D AND EXISTING CLASS B...
 - .9
 - NEW CLASS B, C AND D SHIPS:
 - .10

- .3 ALL CLASS B,C AND D SHIPS, CONSTRUCTED ON OR AFTER 1 JANUARY...
- 10 Windows and sidescuttles (R 33)
NEW CLASS B, C AND D AND EXISTING CLASS B SHIPS:
- .1 All windows and sidescuttles in bulkheads within accommodation and service...
- .2
- NEW CLASS B, C AND D SHIPS CARRYING MORE THAN 36 PASSENGERS:
- .3 Windows facing life-saving appliances, embarkation and assembly areas, external stairs...
- NEW CLASS B, C AND D SHIPS CARRYING NOT MORE THAN 36...
- .4
- 11 Restricted use of combustible material (R 34)
NEW CLASS B, C AND D SHIPS:
- .1
- .2 Vapour barriers and adhesives used in conjunction with insulation, as...
CLASS B, C AND D SHIPS,
CONSTRUCTED ON OR AFTER
1 JANUARY 2003:...
- .3 The following surfaces shall have low flame-spread characteristics:
- .4 The total volume of combustible facings, mouldings, decorations and veneers...
- .5
- .6
- .7
- CLASS B, C AND D SHIPS, CONSTRUCTED ON OR AFTER 1 JANUARY 2003:...
- CLASS B, C AND D SHIPS, CONSTRUCTED ON OR AFTER 1 JANUARY 2003:...
- 12 Details of construction (R 35)
NEW CLASS B, C AND D AND EXISTING CLASS B SHIPS:
- 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 ships...
- .2 Ships carrying more than 36 passengers, except ships with a length...
- .3 In periodically unattended machinery spaces a fixed fire detection and...
- 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 B SHIPS...
- .1 General
- .1
- .2

- .2 Structural protection
 - .1 In new ships carrying more than 36 passengers the boundary bulkheads...
 - .2
 - .3 Indicators shall be provided on the navigating bridge which shall...
 - .3 Fixed fire-extinguishing system
 - .4 Patrols and detection
 - .1 An efficient patrol system shall be maintained in special category...
 - .2 Manually operated call points shall be provided as necessary throughout...
 - 5 Portable fire-extinguishing equipment
NEW CLASS B, C AND D, CONSTRUCTED BEFORE 1 January 2003 AND...
 - .5a There shall be provided in each special category space:
NEW CLASS B, C, AND D SHIPS, CONSTRUCTED ON OR AFTER...
 - .5b Portable extinguishers shall be provided at each deck level in...
NEW CLASS B, C AND D AND EXISTING CLASS B SHIPS:
 - .6 Ventilation system
 - .1 There shall be provided an effective power ventilation system for...
 - .2
 - .3
 - .4
 - .5 Ventilation ducts, including dampers, shall be made of steel and...
- .2 Additional provisions applicable only to special category spaces above the...
 - NEW CLASS B, C AND D SHIPS:
 - .1.1 Scuppers
NEW CLASS B, C AND D AND EXISTING CLASS B RO-RO PASSENGER...
 - .1.2 Discharges
 - .1.2.1
 - .1.2.2
 - NEW CLASS B, C AND D SHIPS:
 - .2 Precautions against ignition of flammable vapours
 - .1
 - .2
- .3 Additional provisions applicable only to special category spaces below the...
 - NEW CLASS B,C AND D SHIPS:
 - .1 Bilge pumping and drainage
 - .2 Precautions against ignition of flammable vapours
 - .1

- .2
- .4 Permanent openings
CLASS B, C AND D SHIPS, CONSTRUCTED ON
OR AFTER 1 JANUARY...
- 15 Fire patrols, detection, alarms and public address systems (R 40)
NEW CLASS B, C AND D SHIPS:
.1
.2
.3
.4 A public address system or other effective means of
communication...
.5 NEW CLASS B, C AND D AND EXISTING
CLASS B SHIPS:
NEW CLASS B, C AND D SHIPS:
.6
.7
- 16 Upgrading of existing class B ships carrying more than 36 passengers
(R 41-1)...
- 17 Special requirements for ships carrying dangerous goods (R 41)
NEW CLASS B, C AND D SHIPS, CONSTRUCTED
BEFORE 1 JANUARY..
NEW CLASS B, C AND D SHIPS, CONSTRUCTED ON OR
AFTER...
- 18 Special requirements for helicopter facilities
NEW CLASS B,C AND D SHIPS, CONSTRUCTED ON OR
AFTER 1 JANUARY...

CHAPTER III

LIFE SAVING APPLIANCES

- 1 Definitions (R 3)
NEW AND EXISTING CLASS B, C AND D SHIPS:
- 2 Communication, survival craft and rescue boats, personal life-saving appliances
(R 6 + 7 + 18 + 21 + 22)...
NEW AND EXISTING CLASS B, C AND D SHIPS:
- 3 Emergency alarm, operating instructions, training manual, assembly lists and
emergency...
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 OR...
.2 A public address system (R 6.5)
.2.1
.2.2
.2.3 The public address system shall be protected against
unauthorised use...
FOR NEW CLASS B, C AND D SHIPS,
CONSTRUCTED ON OR...
.2.4 NEW CLASS B, C AND D SHIPS:
.2.5

- .2.6
- .3 Assembly list and emergency instructions (R 8)
- .4 Operating instructions (R 9)
- .5 Training manual
- .6 Instruction for maintenance (R 20.3)

- 4 Manning of survival craft and supervision (R 10)
 NEW AND EXISTING CLASS B, C AND D SHIPS:
 - .1
 - .2
 - .3
 - .4

- 5 Survival craft assembly and embarkation arrangements (R 11 + 23 + 25)
 NEW AND EXISTING CLASS B, C AND D SHIPS:
 - .1
 - .2
 - .3 Assembly and embarkation stations, alleyways, stairways and exits giving access...
 - .4
 - .5
 - .6
 NEW CLASS B, C AND D SHIPS:
 - .7 If a survival craft launching arrangement does not allow embarkation...
 - .8

- 5-1 Requirements for ro-ro passenger ships (R 26)
 CLASS B, C AND D RO-RO SHIPS CONSTRUCTED BEFORE 1...
 - .1 Ro-ro passenger ships constructed before 1 January 2003, shall comply...
 - .2 Life-rafts
 - .1 The ro-ro passenger ship's life-rafts shall be served by marine...
 - .2
 - .3
 - .4 Every life-raft on ro-ro passenger ships shall either be automatically...
 - .3 Fast rescue boats
 - .1
 - .2
 - .3
 - .4 In the case where the arrangement or size of an...
 - .4 Means of rescue
 - .1
 - .2 The means of transfer of survivors to the ship may...
 - .3
 - .5 Life jackets
 - .1
 - .2
 CLASS B, C AND D RO-RO SHIPS CONSTRUCTED AFTER 1...
 - .6 Life-rafts
 - .1 The ro-ro passenger ship's life-rafts shall be served by marine...
 - .2

- .3
- .4 Every life-raft on ro-ro passenger ships shall either be automatically...
- .7 Fast rescue boats
 - .1
 - .2
 - .3
 - .4 In the case where the arrangement or size of an...
- .8 Means of rescue
 - .1
 - .2 The means of transfer of survivors to the ship may...
 - .3
- .9 Life jackets
 - .1
 - .2
- 5-2 Helicopter landing and pick-up areas (R 28)
NEW AND EXISTING CLASS B, C AND D RO-RO SHIPS:
 - .1
 - .2
 - .3
- 5-3 Decision support system for masters (R 29)
NEW AND EXISTING CLASS B, C AND D SHIPS:
 - .1
 - .2
 - .3 The system shall, as a minimum, consist of a printed...
 - .4
 - .5
 - .6
- 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
 - .3 Every life-raft shall be stowed:
 - .4
 - .5
 - .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, C AND...
 - 1.
 - 2.
 - 3.
 - 4.
- 9 Survival craft launching and recovering arrangements (R 16)
NEW AND EXISTING CLASS B, C AND D SHIPS:

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- .1 Launching appliances complying with the requirements of section 6.1 of the...
 - .2 Each lifeboat shall be provided with an appliance which is...
FOR NEW CLASS B, C AND D SHIPS, CONSTRUCTED ON OR...
ON OR...
 - .3
 - .4
 - .5
 - .6
 - .7
 - .8
- 10 Rescue boat embarkation, launching and recovery arrangements (R 17)
NEW AND EXISTING CLASS B, C AND D SHIPS:
- .1
 - .2
 - .3
 - .4
 - .5
 - .6 FOR NEW CLASS B,C AND D SHIPS, CONSTRUCTED ON OR AFTER...
- 11 Emergency instructions (R 19)
NEW AND EXISTING CLASS B, C AND D SHIPS:
- 12 Operational readiness, maintenance and inspections (R 20)
NEW AND EXISTING CLASS B, C AND D SHIPS:
- .1
 - .2
- 13 Abandon ship training and drills (R 19 + R 30)
NEW AND EXISTING CLASS B, C AND D SHIPS:
- .1
 - .2 An abandon ship drill and fire drill shall take place...
 - .3
 - .4 Lifeboats and rescue boats shall be lowered at successive drills...
 - .5
 - .6
 - .7
 - .8

ANNEX II

FORM OF PASSENGER SHIP SAFETY CERTIFICATE

PASSENGER SHIP SAFETY CERTIFICATE

ANNEX III

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

.....

1. Access to the ship
2. Signs
3. Means to communicate messages
4. Alarm
5. Additional requirements ensuring mobility inside the ship