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STATUTORY INSTRUMENTS

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**1998 No. 1012**

**MERCHANT SHIPPING**

**SAFETY**

**The Merchant Shipping (Fire Protection:  
Large Ships) Regulations 1998**

*Made - - - - 7th April 1998*

*Laid before Parliament 20th April 1998*

*Coming into force 11th May 1998*

**THE MERCHANT SHIPPING (FIRE PROTECTION:  
LARGE SHIPS) REGULATIONS 1998**

PART I

PRELIMINARY

***Citation, commencement, interpretation, application, exemption and revocation***

1. Citation and commencement
2. Classification of ships

PART II

**FIRE PREVENTION AND FIRE APPLIANCESPASSENGER SHIPSSHIPS OF CLASS I**

3. Fire pumps, fire main, water service pipes, hydrants, hoses and nozzles

*Additional requirements for ships constructed on or after 25th May 1980*

4. Portable fire extinguishers in accommodation, cargo and service spaces
5. Fixed fire-extinguishing systems in cargo spaces

*Additional requirements for ships constructed on or after 25th May 1980*

Special requirements for cargo space ventilation

*Requirements for ships constructed on or after 1st September 1984*

6. (1) In every ship of Class I there shall be...

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7. Machinery spaces of Category A
8. Machinery spaces containing steam turbines or enclosed steam engines

*Additional requirements for ships constructed on or after 1st September 1984*

Fire-extinguishing appliances in other machinery spaces

*Requirements for ships constructed on or after 25th May 1980*

9. In every ship of Class I where a fire hazard...
10. Paint lockers etc.
11. Fire patrol, detection and alarm systems

*Additional requirements for ships constructed on or after 25th May 1980*

8. In every ship of Class I, in any machinery space...
9. In special category spaces in which the patrol is not...

*Additional requirement for ships constructed on or after 1st January 1994*

10. In every ship of Class I, where a public space...

*Additional requirement for ships constructed on or after 1st October 1994*

12. Firemen's outfits
13. International shore connection

## SHIPS OF CLASS II

14. Regulations 3 to 13 inclusive shall apply to ships of...

### SHIPS OF CLASS II(A) OF 21.34 METRES IN LENGTH OR OVER

15. Regulations 3 to 13 inclusive shall apply to ships of...

## PART III

### FIRE PREVENTION AND FIRE APPLIANCESSHIPS OTHER THAN PASSENGER SHIPS AND TANKERS SHIPS OF CLASS VII OF 500 TONS OR OVER

16. Fire pumps, fire mains, water service pipes, hydrants, hoses and nozzles

*Additional requirements for ships constructed on or after 1st September 1984*

17. Portable fire extinguishers

*Additional requirements for ships constructed on or after 25th May 1980*

18. Fixed fire-extinguishing arrangements in cargo spaces

*Additional requirements for ships constructed on or after 25th May 1980*

3. In every ship of Class VII engaged in the carriage...
4. In every ship of Class VII of 2,000 tons or...

*Additional requirements for ships constructed on or after 1st September 1984*

Special requirements for cargo space ventilation

*Requirements for ships constructed on or after 1st September 1984*

19. (1) In every ship of Class VII of 500 tons...
20. Machinery spaces of Category A
21. Machinery spaces containing steam turbines or enclosed steam engines

*Additional requirement for ships constructed after 1st September 1984*

Fire-extinguishing appliances in other machinery spaces

*Requirements for ships constructed on or after 25th May 1980*

22. Where a fire hazard exists in any machinery space for...
23. Paint lockers etc.
24. Fire detection and fire alarm systems and sample extraction smoke detection systems

*Additional requirements for ships constructed on or after 25th May 1980*

2. In every ship of Class VII of 500 tons or...

*Additional requirements for ships constructed on or after 1st September 1984*

25. Firemen's outfits

*Requirements for ships constructed on or after 25th May 1980*

26. International shore connection

SHIPS OF CLASS VII(A)

27. Regulations 16 to 26 inclusive shall apply to every ship...

SHIPS OF CLASS VIII

28. Requirements for ships of 1,000 tons or over constructed before 25th May 1980

*Requirements for ships of 500 tons or over but under 1,000 tons constructed before 25th May 1980*

2. Regulations 16, 17, 20 to 23 and 25 shall apply...

*Requirements for ships of 500 tons or over constructed on or after 25th May 1980*

3. Regulations 16 to 26 inclusive shall apply to ships of...

SHIPS OF CLASS VIII(A), IX AND IX(A)

*Requirements for ships of 1,000 tons or over constructed before 25th May 1980*

4. Regulations 16, 17 and 20 to 26 inclusive shall apply...

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*Requirements for ships of 500 tons or over but under 1,000 tons constructed before 25th May 1980*

5. Regulations 16, 17, 20 to 23 shall apply to ships...

*Requirements for ships of 500 tons or over constructed on or after 25th May 1980*

6. Regulations 16 to 26 inclusive shall apply to ships of...

#### SHIPS OF CLASS XI

*Requirements for ships of 1,000 tons or over constructed before 25th May 1980*

7. Regulations 16, 17 and 20 to 26 shall apply to...

*Requirements for ships of 500 tons or over but under 1,000 tons constructed before 25th May 1980*

8. Regulations 16, 17, 20 to 23 and 25 shall apply...

*Requirements for ships of 500 tons or over constructed on or after 25th May 1980*

9. Regulations 16 to 26 inclusive shall apply to ships of...

#### SHIPS OF CLASS XII

*Requirements for ships of 1,000 tons or over constructed before 25th May 1980*

10. Regulations 16, 17 and 20 to 26 shall apply to...

*Requirements for ships of 500 tons or over but under 1,000 tons constructed before 25th May 1980*

11. Regulations 16, 17, 20 to 23 and 25 shall apply...

*Requirements for ships of 500 tons or over constructed on or after 25th May 1980*

12. Regulations 16 to 26 inclusive shall apply to ships of...

#### PART IV

##### FIRE PREVENTION AND FIRE APPLIANCE TANKERS OF CLASS VII(T) OF 500 TONS OR OVER

29. General requirements  
Cargo tank protection

##### *Inert gas systems*

30. (1) Every tanker of Class VII(T) of 20,000 tons or...

##### *Deck foam systems*

8. Every Category A tanker of Class VII(T) of 100,000 tons...
9. Every tanker referred to in paragraph (1), constructed before 25th...
10. Every tanker of Class VII(T) of 2,000 tons or over...
11. Every fixed foam fire-extinguishing installation fitted to meet the requirements...
12. Every tanker of Class VII(T) of 2,000 tons or over...
13. Every tanker of Class VII(T) of under 2,000 tons not...

*Requirements for ships constructed between 25th May 1980 and 1st September 1984*

14. Every tanker of Class VII(T) of 2,000 tons or over...
15. Every tanker of Class VII(T) of under 2,000 tons shall...

*Requirements for ships constructed on or after 1st September 1984*

16. Every tanker of Class VII(T) of 500 tons or over...
17. Where a liquid cargo (other than one referred to in...

*Equivalence*

Cargo tank purging and/or gas freeing

*Requirements for ships constructed on or after 1st September 1984*

31. (1) In every tanker of Class VII(T) of 500 tons...  
Cargo pump rooms

*Fixed fire-extinguishing arrangements in cargo pump rooms*

32. (1) In every category A tanker of Class VII(T) of...

*Requirements for ships constructed on or after 25th May 1980*

Fire main isolating valves

*Requirements for ships constructed on or after 1st September 1984*

33. In every tanker of Class VII(T) of 500 tons or...
34. Firemen's outfits

TANKERS OF CLASS VIII(T)

35. Regulations 29 to 34 inclusive shall apply to tankers of...

TANKERS OF CLASSES VIII(A)(T) AND IX(A)(T)

36. (a) Regulation 25(4) shall apply to tankers of Classes VIII(A)(T)...

PART V

FIRE PREVENTION AND APPLIANCES

GENERAL

37. Requirements for ships provided with helicopter decks with or without fuelling facilities  
Helicopter deck operations manual

*Additional requirements for ships constructed after 1st February 1992*

38. Fire pumps

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*Additional requirement for ships constructed on or after 1st September 1984*

- 39. Fire main, water service pipes and hydrants
- 40. Fire hoses, nozzles, etc.  
Special requirements for fixed fire-extinguishing systems

*Requirements for ships constructed on or after 1st September 1984*

- 41. (1) Where halogenated hydrocarbon is used as an extinguishing medium...
- 42. Fixed low-expansion foam fire-extinguishing systems in machinery spaces  
Fixed fire-extinguishing systems not required by these Regulations

*Requirements for ships constructed on or after 25th May 1980*

- 43. In every ship where a fixed extinguishing system not required...
- 44. Fire extinguishers
- 45. Fire buckets
- 46. Firemen's outfits
- 47. Means for stopping machinery, shutting off oil fuel suction pipes and closing of openings  
Gaseous fuel for domestic purposes

*Requirements for ships constructed on or after 1st September 1984*

- 48. Where gaseous fuel is used for domestic purposes the arrangements...
- 49. Fire control plans
- 50. Availability of fire-fighting appliances

PART VI

STRUCTURAL FIRE PROTECTION

PASSENGER SHIPSSHIPS OF CLASSES I, II, AND II(A)

- 51. Application
- 52. Structure  
Helicopter decks

*Requirements for ships constructed on or after 1st February 1992*

- 53. (1) This regulation applies to a ship having a helicopter...
- 54. Main vertical zones and horizontal zones

*Additional requirements for a ship constructed on or after 1st October 1994*

- 55. Bulkheads within a main vertical zone
- 56. Fire Integrity of bulkheads and decks
- 57. Protection of stairways and lifts in accommodation and service spaces
- 58. Openings in "A" Class divisions
- 59. Openings in "B" Class divisions
- 60. Ventilation systems

*Additional requirements for a ship constructed on or after 1st January 1994*

- 61. Windows and sidescuttles
- 62. Restriction of combustible materials

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63. Miscellaneous items of fire protection  
Automatic sprinkler, fire detection and fire alarm system or fixed fire detection and fire alarm system

*Requirements for a ship constructed on or after 25th May 1980*

64. (1) In every ship there shall be installed in all...

*Additional requirements for a ship constructed on or after 1st July 1986*

2. In a ship constructed on or after 1st July 1986...

*Additional requirements for a ship constructed on or after 1st January 1994*

3. In a ship constructed on or after 1st January 1994,...

*Ships Constructed before 1st October 1994*

4. On or after 1st October 1997, every ship constructed before...
5. (a) In every ship constructed before 1st October 1994 carrying...

*Ships Constructed on or after 1st October 1994*

65. Protection of special category spaces and ro-ro cargo spaces
66. Protection of cargo spaces, other than special category spaces and ro-ro cargo spaces intended for the carriage of motor vehicles with fuel in their tanks for their own propulsion
67. Special arrangements in machinery spaces
68. Means of escape

*Additional requirement for a ship constructed on or after 1st January 1994*

8. Where a ship constructed on or after 1st January 1994...

*Additional requirements for ro-ro passenger ships*

9. (a) Ro-ro passenger ships shall comply with subparagraphs (b) to...
10. (a) This paragraph applies to ro-ro passenger ships constructed on...
11. An evacuation analysis demonstrating compliance with paragraph (1) shall be...

## PART VII

### STRUCTURAL FIRE PROTECTION:

SHIPS OTHER THAN PASSENGER SHIPS OR TANKERS TO WHICH PART VIII APPLIES SHIPS OF CLASSES VII, VII(A), VIII, VIII(A), IX and IX(A) AND TANKERS OF CLASSES VII(T), VIII(T), VIII(A)(T) AND IX(A)(T) OF 500 TONS OR OVER

69. Application
70. Structure
71. Helicopter decks
72. Methods of fire protection
73. Bulkheads within accommodation spaces, services spaces and control stations
74. Fire integrity of bulkheads and decks

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75. Protection of stairways and lifts in accommodation and service spaces
76. Openings in "A" Class divisions
77. Openings in "B" Class divisions
78. Ventilation systems
79. Details of construction
80. Restriction of combustible materials
81. Miscellaneous items of fire protection
82. Fixed fire detection and fire alarm system, and automatic sprinkler, fire detection and fire alarm system
83. Special arrangements in machinery spaces
84. Means of escape

#### PART VIII

### STRUCTURAL FIRE PROTECTION

#### TANKERS

#### TANKERS OF CLASSES VII(T), VIII(T), VIII(A)(T) AND IX(A)(T) OF 500 TONS OR OVER

85. Application
86. Structure
87. Helicopter decks
88. Exterior boundaries of superstructures and deckhouses
89. Boundary bulkheads and decks of machinery spaces of Category A and cargo pump rooms
90. Bulkheads within accommodation spaces, service spaces and control stations
91. Fire integrity of bulkheads and decks
92. Protection of stairways and lifts in accommodation and service spaces
93. Openings in "A" Class divisions
94. Openings in "B" Class divisions
95. Ventilation systems
96. Details of construction
97. Restriction of combustible materials
98. Miscellaneous items of fire protection
99. Fixed fire detection and fire alarm system
100. Special arrangements in machinery spaces
101. Means of escape

#### PART IX

### SPECIAL REQUIREMENTS FOR SHIPS CARRYING DANGEROUS GOODS

102. Ships carrying explosives
103. Ships carrying dangerous goods

#### PART X

### EQUIVALENTS, PENALTIES AND DETENTION

104. Alternative construction and equivalents
105. Penalties
106. Powers to detain



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