

service spaces shall be sub-divided into main vertical zones by "A" class divisions. These divisions shall have insulation values in accordance with tables in clause 73 of this Code.

(3) As far as practicable, the bulkheads forming the boundaries of the main vertical zones above the bulkhead deck shall be in line with watertight sub-division bulkheads situated immediately below the bulkhead deck. Such bulkheads shall extend from deck to deck and to the shell or other boundaries.

(4) Where a main vertical zone is subdivided by horizontal "A" class divisions into horizontal zones for the purpose of providing an appropriate barrier between sprinklered and non-sprinklered zones of the ship, the divisions shall extend between adjacent main vertical zone bulkheads and to the shell or exterior boundaries of the ship and shall be insulated in accordance with the fire insulation and integrity values given in table 72.3 or in table 73.2 of this Code.

(5) On ships designed for special purposes, such as automobile or railroad car ferries, where the provision of main vertical zone bulkheads would defeat the purpose for which the ship is intended, equivalent means for controlling and limiting a fire shall be substituted and specifically approved by the Chief Surveyor.

However, in a ship with special category spaces, any such space shall comply with the applicable provisions of clause 82 of this Code and in so far as such compliance would be inconsistent with compliance with other requirements of this part, the requirements of clause 82 of this Code shall prevail.

71. Bulkheads Within a Main Vertical Zone—(1) For ships carrying more than 36 passengers all bulkheads which are not required to be "A" class divisions shall be at least "B" class or "C" class divisions as prescribed in the tables in clause 73 of this Code.

(3) All such divisions may be faced with combustible materials in accordance with the provisions of clause 80 of this Code.

(4) All corridor bulkheads where not required to be "A" class shall be "B" class divisions which shall extend from deck to deck except:

(a) when continuous "B" class ceilings or linings are fitted on both sides of the bulkhead, the portion of the bulkhead behind the continuous ceiling or lining shall be of material which, in thickness and composition, is acceptable in the construction of "B" class divisions but which shall be required to meet "B" class integrity standards only in so far as is reasonable and practicable in the opinion of the Chief Surveyor.

(b) in the case of a ship protected by an automatic sprinkler system complying with the provisions of the Shipping (Fire Appliances) Regulations 1989 the corridor bulkheads of "B" class materials may terminate at a ceiling in the corridor provided such a ceiling is of material which, in thickness and composition, is acceptable in the construction of "B" class divisions. Notwithstanding the requirements of clauses 72 and 73 of this Code, such bulkheads and ceilings shall be required to meet "B" class integrity standards only in so far as is reasonable and practicable in the opinion of the Chief Surveyor. All doors and frames in such bulkheads shall be of non-combustible materials and shall be so constructed and erected as to provide substantial fire resistance to the satisfaction of the Chief Surveyor.

(5) All bulkheads required to be "B" class divisions, except corridor bulkheads, shall extend from deck to deck and to the shell or other boundaries unless continuous "B" class ceilings or linings are fitted on both sides of the bulkhead, in which case the bulkhead may terminate at the continuous ceiling or lining.

72. Fire Integrity of Bulkheads and Decks in Ships Carrying More than 36 Passengers—(1) In addition to complying with the specific provisions for fire integrity of bulkheads and decks mentioned elsewhere in this part, the

minimum fire integrity of all bulkheads and decks shall be as prescribed in tables 72.1 to 72.4. Where, due to any particular structural arrangements in the ship, difficulty is experienced in determining from the tables the minimum fire integrity value of any divisions, such values shall be determined to the satisfaction of the Chief Surveyor.

(2) The following requirements shall govern application of the tables;

(a) Table 72.1 shall apply to bulkheads bounding main vertical zones or horizontal zones.

Table 72.2 shall apply to bulkheads not bounding either main vertical zones or horizontal zones.

Table 72.3 shall apply to decks forming steps in main vertical zones or bounding horizontal zones.

Table 72.4 shall apply to decks not forming steps in main vertical zones nor bounding horizontal zones.

(b) For determining the appropriate fire integrity standards to be applied to boundaries between adjacent spaces, such spaces are classified according to their fire risk as shown in categories (1) to (14) below. Where the contents and use of a space are such that there is a doubt as to its classification for the purpose of this regulation, it shall be treated as a space within the relevant category having the most stringent boundary requirements. The title of each category is intended to be typical rather than restrictive. The number in parentheses preceding each category refers to the applicable column or row in the tables.

(1) Control Stations

Spaces containing emergency sources of power and lighting. Wheelhouse and chartroom.

Spaces containing the ship's radio equipment.

Fire-extinguishing rooms, fire control rooms and fire-recording stations.

Control room for propulsion machinery when located outside the propulsion machinery space.

Spaces containing centralised fire alarm equipment.

Spaces containing centralised emergency public address system stations and equipment.

(2) Stairways

Interior stairways, lifts and escalators (other than those wholly contained within the machinery spaces) for passengers and crew and enclosures thereto.

In this connection a stairway which is enclosed at only one level shall be regarded as part of the space from which it is not separated by a fire door.

(3) Corridors

Passenger and crew corridors and lobbies.

(4) Lifeboat and liferaft handling and embarkation stations

Open deck spaces and enclosed promenades forming lifeboat and liferaft embarkation and lowering stations.

(5) Open Deck Spaces

Open deck spaces and enclosed promenades clear of lifeboat and liferaft embarkation and lowering stations.

Air spaces (the space outside superstructures and deckhouses.)

(6) Accommodation spaces of minor fire risk

Cabins containing furniture and furnishings of restricted fire risk.

Offices and dispensaries containing furniture and furnishings of restricted fire risk.

Public spaces containing furniture and furnishings of restricted fire risk and having a deck area of less than 50m².

(7) Accommodation spaces of moderate fire risk