

However, existing monitoring systems already fitted having a pre-set level not greater than 30% of the lower flammable limit may be accepted.

## **Regulation 2**

### *Fire safety objectives and functional requirements*

#### **1 Fire safety objectives**

1.1 The fire safety objectives of this chapter are to:

- .1 prevent the occurrence of fire and explosion;
- .2 reduce the risk to life caused by fire;
- .3 reduce the risk of damage caused by fire to the ship, its cargo and the environment;
- .4 contain, control and suppress fire and explosion in the compartment of origin; and
- .5 provide adequate and readily accessible means of escape for passengers and crew.

#### **2 Functional requirements**

2.1 In order to achieve the fire safety objectives set out in paragraph 1 above, the following functional requirements are embodied in the regulations of this chapter as appropriate:

- .1 division of the ship into main vertical and horizontal zones by thermal and structural boundaries;
- .2 separation of accommodation spaces from the remainder of the ship by thermal and structural boundaries;
- .3 restricted use of combustible materials;
- .4 detection of any fire in the zone of origin;
- .5 containment and extinction of any fire in the space of origin;
- .6 protection of means of escape and access for fire-fighting;
- .7 ready availability of fire-extinguishing appliances; and
- .8 minimization of possibility of ignition of flammable cargo vapour

#### **3 Achievement of the fire safety objectives**

The fire safety objectives set out in paragraph 1 above shall be achieved by ensuring compliance with the prescriptive requirements specified in parts B, C, D, E or G, or by alternative design and arrangements which comply with Part F. A ship shall be considered to meet the functional requirements set out in paragraph 2 and to achieve the fire safety objectives set out in paragraph 1 when either:

- .1 the ship's designs and arrangements, as a whole, complies with the relevant prescriptive requirements in parts B, C, D, E or G;
- .2 the ship's designs and arrangements, as a whole, have been reviewed and approved in accordance with part F; or