

## SCHEDULE 9

### LIFEBUOYS AND ATTACHMENTS

Regulations 2(3), 6, 7(2), 7(3), 7(4), 9 and 17

## PART II

### LIFEBUOY SELF-IGNITING LIGHTS

#### Construction

##### 1

**1.1** A lifebuoy self-igniting light shall be constructed with proper workmanship and materials.

**1.2** As applicable the materials of a lifebuoy self-igniting light shall be rot-proof, corrosion resistant, and not be unduly affected by sea-water, oil or fungal attack.

**1.3** It shall be constructed to withstand a drop into the water from the height at which it is stowed above the waterline in the lightest seagoing condition or 30 metres, whichever is the greater, without impairing either its operating capability or that of the lifebuoy to which it is attached.

**1.4** It shall be provided with means for being efficiently attached to a lifebuoy.

**1.5** Components of electronic circuits shall comply with the quality control requirements of BS 9000 or an equivalent standard. Where components cannot be obtained under one of the above standards these components shall be covered by a Certificate of Conformance from the manufacturer of the components.

#### Performance

##### 2

**2.1** A lifebuoy self-igniting light shall not be damaged in stowage throughout the air temperature range  $-30^{\circ}\text{C}$  to  $+65^{\circ}\text{C}$ .

**2.2** It shall operate throughout a sea-water temperature range of  $-1^{\circ}\text{C}$  to  $+30^{\circ}\text{C}$ .

**2.3** It shall be resistant to deterioration from exposure to sunlight.

**2.4** It shall be capable of satisfactory operation in a seaway.

**2.5** A lifebuoy self-igniting light shall be such that it cannot be extinguished by water.

**2.6** It shall be capable of either burning continuously with a luminous intensity of not less than 2 candela in all directions of the upper hemisphere or flashing (discharge flashing) at a rate of not less than 50 flashes per minute with at least the corresponding effective luminous intensity and be provided with a source of energy which will give this performance for a period of at least 2 hours.

#### Marking

**3.** A lifebuoy self-igniting light shall be marked indelibly with:

**3.1** the manufacturer's name or trade mark;

**3.2** the words "DOT (UK) APPROVED";

**3.3** clear and concise directions for use in English supported where necessary by illustrations;

**3.4** type of energy source;

**Status:** This is the original version (as it was originally made). This item of legislation is currently only available in its original format.

- 3.5 date of manufacture and expiry in the case of a light with a non-replaceable energy source; and
- 3.6 maximum height above waterline at which it can be stowed.

### **Instructions and Information**

#### **4**

4.1 Instructions and information required for inclusion in the training manual specified in Part I of Schedule 11 and, if appropriate, in the instructions for on-board maintenance specified in Part II of Schedule 11 shall be in a form suitable for inclusion in such a training manual or instructions for on-board maintenance. Instructions and information shall be in English in a clear and concise form and shall include the following:

- (4.1.1) the stowage of the light and attachment to lifebuoy;
- (4.1.2) type of energy source and if replaceable, method and frequency of replacement;
- (4.1.3) type of light source and whether replaceable;
- (4.1.4) any maintenance requirements including the method and recommended frequency of checks of energy source, if energy source capable of checking; and
- (4.1.5) operation of light and duration.