

requirements of part VII of this performance standard shall be fitted inside the liferaft.

(12) Each rigid liferaft shall be fitted with equipment complying with the relevant requirements of Part IV of this performance standard.

12. Markings on Rigid Liferafts—(1) The liferafts shall be marked with:

- (a) name and port of registry of the ship to which it belongs;
- (b) maker's name or trade mark;
- (c) serial number;
- (d) M.O.T. APPROVED (or mark of another approving authority);
- (e) number of persons it is permitted to accommodate over each entrance in characters not less than 100mm in height, of a colour contrasting with that of the liferaft;
- (f) SOLAS 86;
- (g) type of emergency pack enclosed;
- (h) length of painter;
- (i) date of manufacture (month and year);
- (j) maximum permitted height of stowage above waterline (depending on drop-test height and length of painter);
- (k) launching instructions.

13. Davit-launched Rigid Liferafts—(1) In addition to the above requirements, a rigid liferaft for use with an approved launching appliance complying with Part III of the Performance Standard for Launching Appliances shall:

- (a) when suspended from its lifting hook or bridle, withstand a load of 4 times the mass of its full complement of persons and equipment;
- (b) when the liferaft is loaded with its full complement of persons and equipment, be capable of withstanding a lateral impact against the ship's side at an impact velocity of not less than 3.5 metres per second and also a drop into the water from a height of not less than 3 metres without damage that will affect its function;
- (c) be provided with means for bringing the liferaft alongside the embarkation deck and holding it securely during embarkation; the distance between the liferaft and the bowing line securing point shall be kept to a minimum to restrict movement of the liferaft during boarding.

(2) Every passenger ship davit-launched liferaft shall be so arranged that it can be rapidly boarded by its full complement of persons.

(3) Every cargo ship davit-launched liferaft shall be so arranged that it can be boarded by its full complement of persons in not more than 3 minutes from the time the instruction to board is given.

14. Instructions and Information—(1) Instructions and information required for inclusion in the training manual specified in Part I of the Performance Standard for Training Manual and Maintenance Instructions and in the instructions for on-board maintenance specified in Part II of the Performance Standard for Training Manual and Maintenance Instructions shall be in a form suitable for inclusion in such training manual and instructions for on-board maintenance. Instructions and information shall be in English in a clear concise form and shall include the following:

- (a) general description of the liferaft and its equipment;
- (b) installation arrangements;
- (c) operational instructions including use of associated survival equipment;
- (d) survival instructions;
- (e) emergency repair instructions;
- (f) deployment, boarding and launching instructions;
- (g) method of launching from within the raft;

- (h) release from launching appliance;
- (i) on board maintenance requirements;
- (j) servicing requirements.

PART IV

Liferaft Equipment

15. Equipment for SOLAS Liferafts—(1) Subject to the provisions of clauses 16, 17 and 18 of this Part, the equipment of every liferaft shall consist of:

(a) 1 buoyant rescue quoit, attached to not less than 30 metres of buoyant line with a breaking strain of at least 1.0kN;

(b) 1 knife of the non-folding type having a buoyant handle and stowed in a pocket on the upper buoyancy tube near that entrance of the raft which is adjacent to the painter and must be secured to the liferaft by a light line of sufficient length to enable the painter to be readily cut; in addition, a liferaft which is permitted to accommodate 13 persons or more shall be provided with a second knife which need not be of the non-folding type; the stowage position of the knives shall be highlighted;

(c) for a liferaft which is permitted to accommodate not more than 12 persons, one buoyant bailer; for a liferaft which is permitted to accommodate 13 persons or more, 2 buoyant bailers;

(d) 2 sponges;

(e) 2 sea-anchors each complying with the requirements of Part I of the Performance Standard for Survival Craft Equipment and Rations, one being spare and the other permanently attached to the liferaft in such a way as to be readily deployable when the liferaft inflates to enable the liferaft to lie oriented to the wind in the most stable manner;

(f) 2 buoyant paddles;

(g) 3 tin-openers; safety knives containing special tin-opener blades are satisfactory for this requirement;

(h) 1 first-aid outfit complying with the requirements of Part II of the Performance Standard for Survival Craft Equipment and Rations, in a waterproof case capable of being closed tightly after use;

(i) 1 whistle or equivalent sound signal;

(j) 4 rocket parachute flares;

(k) 6 hand flares;

(l) 2 buoyant smoke signals;

(m) 1 waterproof electric torch suitable for Morse signalling together with 1 spare set of batteries and 1 spare bulb in a waterproof container;

(n) an efficient radar reflector;

(o) 1 daylight signalling mirror with instructions on its use for signalling to ships and aircraft;

(p) 1 copy of the Rescue Signal Table;

(q) 1 set of fishing tackle;

(r) a food ration complying with the requirements of Part III of the Performance Standard for Survival Craft Equipment and Rations totalling not less than 10,000 kilojoules for each person the liferaft is permitted to accommodate; these rations shall be supplied in airtight packaging and be stowed in a watertight container;

(s) watertight receptacles containing a total of 1.5 litres of fresh water complying with the requirements of Part IV of the Performance Standard for Survival Craft Equipment and Rations, for each person the liferaft is permitted to accommodate, of which 0.5 litres per person may be replaced by a de-salting apparatus capable of producing an equal amount of fresh water in 2 days;

(t) 1 rustproof drinking vessel graduated in millilitres;