

(u) 6 doses of anti-seasickness medicine and 1 seasickness bag for each person the liferaft is permitted to accommodate;

(v) instructions printed in English on how to survive;

(w) instructions for immediate action;

(x) thermal protective aids sufficient for 10 percent of the number of persons the liferaft is permitted to accommodate or 2, whichever is the greater.

(2) Liferafts equipped in accordance with clause 1(1) shall be marked in block capitals of the Roman alphabet, "SOLAS A PACK".

16. Equipment for Liferafts on Coastal Ships—(1) Liferafts carried on ships of Classes II, III, VIII and X (Coastal) shall be provided with the equipment specified in clauses 1(1)(a) to 1(1)(f) inclusive, 1(1)(h), 1(1)(i), 1(1)(m) to 1(1)(p) inclusive and 1(1)(u) to 1(1)(x) inclusive and 1/2 of the equipment specified in clauses 1(1)(j) to 1(1)(l) inclusive.

(2) Liferafts equipped in accordance with clause 2(1) shall be marked in block capitals of the Roman alphabet, "SOLAS B PACK".

17. Equipment for Liferafts on Restricted-Limit Ships—(1) Liferafts carried on board ships of Classes IV, V, VI, IX and X (Inshore) shall be provided with the equipment specified in clauses 1(1)(a) to 1(1)(d) inclusive, 1(1)(f), 1(1)(i), 1(1)(m), 1(1)(p), 1(1)(u) to 1(1)(w) inclusive and 1/2 of the equipment specified in clauses 1(1)(e) and 1(1)(k).

(2) Liferafts equipped in accordance with sub-clause (1) of this clause shall be marked in block capitals of the Roman alphabet, "M.O.T. C PACK".

18. Stowage of Equipment—Where appropriate the equipment shall be stowed in a container which, if it is not an integral part of, or permanently attached to, the liferaft, shall be stowed and secured inside the liferaft and be capable of floating in water for at least 30 minutes without damage to its contents. The line which secures the equipment container to the liferaft shall have a breaking strain of 2kN or a breaking strain of 3:1 based on the mass of the complete equipment pack, whichever is the greater.

19. Additional Equipment for Inflatable Liferafts—(1) In addition to the above requirements every inflatable liferaft shall be provided with:

(a) 1 repair outfit for repairing punctures in buoyancy compartments;

(b) 1 topping-up pump or bellows.

(2) The knives required by sub-clause (1)(b) of this clause shall be safety knives.

PART V

Automatic Release Hooks

20. Definitions—(1) In this Part the following definitions apply:

(a) "actuating force" means the force required to set the actuating mechanism;

(b) "actuating mechanism" means the mechanism which, when operated, allows the liferaft to be released automatically;

(c) "automatic release mechanism" means the mechanism which opens the hook automatically to release the liferaft;

(d) "hook" means a hook to be used for the launching of liferafts which can be activated to automatically release the liferaft when it is waterborne.

21. Functional Criteria—(1) The hook shall be reliable and easily handled by 1 person during the preparation, embarkation, launching and release of the liferaft.

(2) The hook and its accessories shall be made of materials suitable for use in the marine environment.

(3) A minimum factor of safety of 6 based on the ultimate

strength of the materials used shall be applied to the design of all parts of the hook.

(4) The lever for manual release and the actuating mechanism may be separate.

(5) There shall be a clear and durable indicator to show if the actuating mechanism has been operated. The automatic release mechanism shall be such that positions between "safe" and "cocked" are not possible.

(6) With the hook in the automatic release position the liferaft shall be released as soon as it is waterborne. The release of the liferaft shall be immediate and complete. Means shall be provided to ensure that the hook does not open when the liferaft swings, bumps into the ship's side or is otherwise influenced by the wind during the lowering operation.

(7) It shall be possible to release the hook manually after launching. The manual release mechanism shall be designed having regard to the risk of unintentional release during the preparation, embarkation and lowering of the liferaft.

22. Compatibility—The compatibility of automatic release hooks and inflatable liferafts shall be established by operational tests with each type, size and manufacture of liferaft to be carried, before a particular combination of release hook and liferaft is accepted by the Director.

23. 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.

(2) Instructions and information shall be in English in a clear concise form and shall include the operation and maintenance of the automatic release hook.

PART VI

Float Free Arrangements

24. General—Float free arrangements shall provide for a liferaft to be released automatically in the event of a ship sinking.

25. Painter System—The liferaft painter system shall provide a connection between the ship and the liferaft and shall be so arranged as to ensure that the liferaft when released and in the case of an inflatable liferaft when inflated, is not dragged under by the sinking ship.

26. Hydrostatic Release Unit(1) Construction

A hydrostatic release unit used in the float-free arrangements shall be so constructed that:

(a) the materials used are compatible so as to prevent malfunction of the unit; galvanising or other forms of metallic coating on parts of the release unit will not be accepted.

(b) it has drains to prevent the accumulation of water in the hydrostatic chamber when the unit is in its normal position;

(c) each part connected to the painter system has a strength not less than that required by the painter;

(d) it can readily be removed for replacement or annual servicing.

(2) Materials and Components

Materials and components shall be corrosion-resistant and not affected by seawater, oil or detergents.

(3) Performance

A hydrostatic release unit shall:

(a) function properly throughout an air temperature range of -30°C to $+65^{\circ}\text{C}$;

(b) function properly throughout a seawater temperature range of -1°C to $+30^{\circ}\text{C}$;