

exposure to weather and sea. Adequate means shall be provided to reduce the engine noise. Starter batteries shall be provided with casings which form a watertight enclosure around the bottom and sides of the batteries. The battery casings shall have a tight fitting top which provides for necessary gas venting.

(7) The dinghy engine and accessories shall be designed to limit electromagnetic emissions so that engine operation does not interfere with the operation of radio equipment used in the dinghy.

(8) Means shall be provided for recharging all engine-starting, searchlight and, when fitted, radio batteries. Radio batteries shall not be used to provide power for engine starting. The electric power supply from the ship to any dinghy shall be at a voltage not exceeding 55 volts direct current or 55 volts root mean square alternating current and shall be capable of being disconnected automatically at the dinghy embarkation station.

(9) Water-resistant instructions for starting and operating the engine shall be provided and mounted in a conspicuous place near the engine starting controls.

4. Dinghy Fittings—(1) All dinghies shall be provided with at least 1 drain valve fitted near the lowest point in the hull, which shall automatically open to drain water from the hull when the dinghy is not waterborne and shall automatically close to prevent entry of water when the dinghy is waterborne. Each drain valve shall be provided with a cap or plug to close the valve, which shall be attached to the dinghy by a lanyard, chain, or other suitable means. Drain valves shall be readily accessible and capable of being closed from inside the dinghy and their position shall be clearly indicated.

(2) All dinghies shall be provided with a rudder and tiller or other suitable means of steering. When a wheel or other remote steering mechanism is also provided the alternative means shall be capable of steering the dinghy in the case of failure of the steering mechanism. Except where the rudder and tiller forms part of an outboard engine the rudder shall be permanently attached to the dinghy and the tiller shall be permanently installed on or linked to the rudder stock. However, if the dinghy has a remote steering mechanism the tiller may be removable and securely stowed near the rudder stock. The steering arrangements shall be so arranged as not to be damaged by operation of the release mechanism or the propeller.

(3) Except in the vicinity of the rudder, propeller or outboard engine, a buoyant lifeline shall be becketed around the outside of the dinghy.

(4) Dinghies which are not self-righting when capsized shall have suitable handholds on the underside of the hull to enable persons to cling to the dinghy. The handholds shall be fastened to the dinghy in such a way that, when subjected to an impact sufficient to cause them to break away from the dinghy they break away without damaging the dinghy.

(5) Every dinghy to be launched by a fall or falls shall be fitted with a release mechanism complying with Part IV of the Performance Standard for Rescue Boats.

(6) Every dinghy shall be fitted with a release device to enable the forward painter to be released when under tension.

(7) Dinghies intended for launching down the side of a ship shall have skates and fenders as necessary to facilitate launching and prevent damage to the dinghy.

(8) Unless expressly provided otherwise, every dinghy shall be provided with effective means of bailing or be automatically self-bailing.

5. Markings—(1) The dimensions of the dinghy the number of persons which it is permitted to accommodate, the maker's serial number, name or trade mark and the date of manufacture shall be marked on the dinghy in clear permanent characters.

(2) The name and port of registry of the ship to which the

dinghy belongs shall be marked on each side of the dinghy's bow in block capitals of the Roman alphabet.

(3) Means of identifying the ship to which the dinghy belongs and the number of the dinghy shall be marked in such a way that they are visible from above.

6. Dinghy Equipment—(1) All items of dinghy equipment, with the exception of the boat-hook which shall be kept available for fending off purposes, shall be secured within the dinghy by lashings, storage in lockers or compartments, storage in brackets or similar mounting arrangements, or other suitable means. The equipment shall be secured in such a manner as not to interfere with any launching or recovery procedures. All items of dinghy equipment shall be as small and of as little mass as possible and shall be packed in suitable and compact form.

(2) The equipment of every dinghy shall consist of:

(a) sufficient buoyant oars or paddles to make headway in calm seas; thole pins, crutches or equivalent arrangements shall be provided for each oar; thole pins or crutches shall be attached to the dinghy by lanyards or chains;

(b) a buoyant bailer;

(c) a binnacle containing an efficient compass complying with the requirements of Part V of the Performance Standard for Survival Craft Equipment and Rations which is luminous or provided with suitable means of illumination;

(d) a sea-anchor complying with the requirements of Part 1 of the Performance Standard for Survival Craft Equipment and Rations;

(e) a painter of sufficient length and strength, attached to the release device complying with the requirements of clause 4 (6) of this performance standard and placed at the forward end of the dinghy;

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

(g) 1 whistle or equivalent sound signal;

(h) a 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) 2 buoyant rescue quoits, attached to not less than 30 metres of buoyant line with a breaking strain of at least 1.0kN;

(j) thermal protective aids sufficient for 10 per cent of the number of persons the dinghy is permitted to accommodate or 2, whichever is the greater;

(k) a boat hook;

(l) a bucket;

(m) a knife or hatchet;

(n) a portable fire extinguisher.

7. 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 and concise form and shall include the following:

(a) general description of the dinghy 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;