

11	For a complete First Aid equipment list, contact the Department, (contact numbers can be found on the front of this Pamphlet).
12	Navigation lights will be tested at survey. Anchor and Masthead lights are to be individually switched.
13	If LPG is fitted a gas detector is required if it is possible for the gas to leak below deck or accumulate in the vessel.
15	The Fire pump(s) will be tested with the fire hose and nozzle fitted, (deck hoses are only acceptable if nozzle is readily attachable in an emergency).
16	Fixed fire fighting installation is to be serviced annually and a copy of the service document provided. Fixed fire fighting systems are to have an alarm fitted that is audible from the helm whilst underway. Detectors that are fitted in lieu of structural fire protection in accommodation, control and high risk spaces are to meet the same requirements as, and can be incorporated in, the detection system fitted for the propulsion machinery space. CO ₂ systems to be fitted with an isolation valve (AS 4214).
17	Minimum size of foam fire extinguisher is 9 litre, Minimum size of dry powder extinguisher is 4.5kg, Minimum size of CO ₂ extinguisher is 3kg. All portable extinguishers must be serviced annually.
18	One of these torches may be the vessel's signalling light (refer note 7). Starting batteries on new or modified vessels shall be fitted as high as practicable, above the deepest loaded waterline.
19	It is recommended that a means of communication, be it, VHF, 27 MHz or mobile phone, be fitted to enable help to be contacted in case of breakdown or emergency.

	AT EACH PERIODICAL SURVEY OF THE VESSEL, THE SURVEYOR MAY ALSO INSPECT THE FOLLOWING: (MANY SMALL VESSELS WILL NOT HAVE ALL OF THE FOLLOWING ITEMS).
20	Main and auxiliary machinery, controls and instruments: engines will be tested whenever practical.
21	Cooling system, exhaust system and fuel system, (exhausts shall be lagged).
22	Steering systems, emergency steering, (recommended but not mandatory on twin-screw vessels).
23	LPG installation, (LPG audible alarm and solenoid cut-off to be functional). Pressure vessels. Electrical installation, (Note: Residual Current Device's (RCD's) required on systems exceeding 32 volts)
24	Pipe work, (sea water rubber hoses must be double-clipped each end). Approved rubber hose to be used eg "Dunlop Diamond 404".
25	Machinery guards on all rotating machinery.
26	Cargo gear, including winches, cranes, deck machinery etc.
28	Alarm systems, (It is recommended that a machinery space bilge alarm be fitted, audible at the helm). It is recommended that a bilge alarm be fitted in all compartments where sea water pumping systems are fitted. The bilge alarm must <u>not</u> operate off the same float switch that operates the electric bilge pump.
28	Bilge system. Pumps will be tested whenever practical.
29	The bilge system shall be capable of pumping from and draining any watertight compartment in the vessel.
30	Emergency shut-offs on fuel valves, engine room fans etc, vent closures.
31	Watertight integrity - doors, hatches, closing devices, windows, ventilators, etc. Guardrails, freeing ports, emergency escapes.

**EQUIPMENT LIST &
SURVEY REQUIREMENTS FOR
CLASS 1E VESSELS**

**Less than 25 Metres in Length
and Under 500 tons GRT**

DATE OF ISSUE: March 2005

IMPORTANT

This leaflet has been designed to assist a vessel owner in preparing a vessel for periodical survey in accordance with the Western Australian Marine Act.

This leaflet is not intended to cover every aspect of survey, and compliance with this leaflet does not necessarily constitute compliance with all relevant statutes.

For further information, please contact the **COMMERCIAL VESSEL SAFETY BRANCH** at:.

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