

11	Medicines and Medical Stores as required by Marine Orders Part 10, Annex 1, Category A Scale.
12	A book designated as the Vessel record book, (log book) is required to be kept on board at all times and made available to the Marine Surveyor on completion of the survey.
13	The radio installation is to be in accordance with Marine Orders Part 27 Appendix 7 or, vessels require the following distress frequencies: 4125, 6215, 8291 kHz, (it is recommended that 2182 kHz be retained). All vessels must also fit at least ONE of the following weather warning frequencies appropriate to the area of operation:- 2056, 4149, 6230, 8113, 12362, 16528 kHz, as well as the navigation warning frequency of 8176 kHz. The Bureau of Meteorology web site is (www.bom.gov.au/marine). An approved 406 MHz EPIRB shall also be carried, mounted in the wheelhouse or liferaft. A call sign and tuning card for these frequencies must be displayed next to the radio. The radio station licence and operator's certificate are to be produced at the time of survey. A test call will be made.
14	The compass is to be adjusted every 3 years and the deviation card displayed adjacent to the steering position.
15	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.
16	Fire pumps will be tested with the fire hoses and nozzles fitted. The fire hoses required shall be in addition to any hoses required in the machinery space.
17	Fixed fire fighting installation is to be serviced annually and a copy of the service document provided to this department. Fixed fire fighting systems are to have an alarm fitted that is audible from the helm whilst underway.
18	CO ₂ systems to be fitted with an isolation valve (AS 4214). 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.
19	Starting batteries on new or modified vessels are to be fitted as high as possible, at least above the deepest loaded waterline. All portable extinguishers must be serviced annually.

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 run whenever practical.
21	Cooling system, exhaust system and fuel system (exhausts must 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/fishing gear, including winches, cranes, deck machinery etc.
27	Alarm systems. (All vessels require a machinery space bilge alarm, audible at helm).
28	A bilge alarm is required in all compartments where sea water pumping systems are fitted.
29	The bilge alarm must not operate off the same float switch that operates the electric bilge pump.
30	Bilge system. Pumps will be tested whenever practical.
31	Emergency shut-offs on fuel valves, engine room fans etc, vent closures. Watertight integrity - doors, hatches, closing devices, windows, ventilators, etc. Guardrails, freeing ports, emergency escapes.

**EQUIPMENT LIST &
SURVEY REQUIREMENTS FOR
CLASS 3A VESSELS
UNDER 35m & UNDER 500 ton
DATE OF ISSUE: Dec 2004**

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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CLASS 3A FISHING VESSEL EQUIPMENT CHECK LIST: (To be read with corresponding note numbers below).

NOTE	SURVEY ITEM	VESSEL LENGTH	REQUIREMENTS
1	LIFERAFT	OVER 25M LESS THAN 25m	SOLAS lifeboat for 100% complement and SOLAS liferafts for 50% complement, or SOLAS liferafts for 100% complement and a Rescue boat, or SOLAS liferafts for 200% complement, SOLAS liferaft for 100% complement. SEE NOTE 1
2	LIFEBUOYS	25m – 35m 15 - 25m	4 Lifebuoys. Two with self-igniting lights & Smoke signals, two with buoyant lines, 2 Lifebuoys. One with self-igniting light and Smoke Signal, one with buoyant line.
3	LIFEJACKETS	ALL LENGTHS	SOLAS Lifejackets with lifejacket light and whistle for each person the vessel is certified to carry.
4	PYROTECHNICS	OVER 25m LESS THAN 25	12 Rocket Parachute Flares, 6 Rocket Parachute Flares, 4 Red hand flares and 2 buoyant orange smoke signals.
5	SOUND SIGNAL	ALL LENGTHS	Horn or portable air/gas horn.
6	MISCELLANEOUS EQUIPMENT	ALL LENGTHS	Chronometer or Deck Watch, Barometer or Barograph, Mechanical Depth sounding device (echo sounder), Hand lead line, (<i>Exemption may apply</i>) Daylight Signalling light. (Vessels less than 25m may carry a signalling torch in lieu), N & C flags, Charts suitable for areas of operation. (Electronic allowed but must have paper backup), Gangway or a safe means of access approved by the authority, Navigation lights and shapes appropriate to vessel's operation, Anchors, anchor chain (or rope where permitted), anchor winch, Hawsers and warps, Medicines and Medical Stores, Vessel Record Book (Log book), Approved radio installation and EPIRB, Approved Class A Compass (ISO 449), Gas detector for LPG installations.
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16	FIRE PUMPS, HYDRANTS, and HOSES	15 - 25m OVER 25m	1 Fire pump, hydrant, hose and nozzle to suit, 1 Fire pump, complying with USL Sect 11 App. B, Hydrants, 2 hoses (with spare hose in addition) and nozzle's to suit.
	EMERGENCY FIRE PUMP	OVER 25m	1 manually operated fire pump in a position outside compartment containing propelling machinery. (Required if Main Fire Pump is not situated outside compartment containing propelling machinery).
17	FIXED FIRE INSTALLATION	OVER 12.5m	Fitted in propulsion machinery space. (Over 25m in addition, any space with aggregate total of power of not less than 750 kW for auxiliary purposes).
18	FIRE EXTINGUISHERS	OVER 25m	1 readily available in each accommodation and service space, but not less than two, Unmanned machinery spaces used for propelling or auxiliary machinery (over 750kW BHP), 2 but not more than 6 shall be provided in any such space,
		15m - 25m LESS THAN 25m	1 readily available in each accommodation and service space, 2 suitable for extinguishing oil fires.
	FIRE BLANKETS	OVER 25 m	1 in a galley less than 15m ² overall deck area, 2 in larger galleys.
	BREATHING APPARATUS	OVER 25 m	1, if refrigeration machinery is installed, B.A. to comply with requirements of USL Code, apparatus shall be stowed in an accessible position at all times, in the event of leakage of gas.
	FIRE BUCKETS	LESS THAN 25m	2 metal buckets with lanyards attached.
19	EMERGENCY ELECTRICAL INSTALLATION	ALL LENGTHS	An electric torch or hand lamp and AMSA Survival at Sea Manual for each crew member. An emergency power source capable of operating the navigation lights, signalling lamps (if powered from main electrical source), fire detection system and radio for at least 3 hours. Normal engine starting batteries may be acceptable provided they are suitably positioned.
	20 to 31 - VARIOUS	ALL LENGTHS	ITEMS CHECKED AT PERIODIC SURVEY - SEE NOTES 20 to 31 BELOW

Refer to corresponding notes

NOTES

THESE NOTES REFER TO CORRESPONDING EQUIPMENT NOTE NUMBERS ABOVE

- Inflatable Liferafts to be serviced annually.** Lifeboats are to have the capability of being launched from either side of the vessel. Liferafts for the 200% option must be capable of being launched one from either side of the vessel. Liferaft/boat shall be marked with vessel's name/I.D., fitted with reflective tape 300mm long, 50mm wide and spaced at 500mm centres. The raft/boat shall be fitted in a place for easy access, be fitted with hydrostatic release and weak link, or be float free with a weak link, or be fitted to approved launching device.
- Lifebuoys are to be marked with vessel's name and four bands of reflective tape at 90° to each other. The self-igniting lights and smoke signals are to be attached to 50% of the lifebuoy's with the buoyant line (minimum of 27m) is to be attached to the other lifebuoy's. Lifebuoys must be readily accessible at all times.
- Lifejackets are to be marked with vessel's name, fitted with reflective tape and self-igniting lights which are to be renewed by the expiry date. Jackets are to be stowed in an easily accessible place for emergency use. **"SOLAS" approved life jackets and life jacket lights are required.** In addition to the lifejackets for the persons the vessel is certified to carry, a sufficient number of lifejackets must be stowed in working places for the use of crewmembers who may be required to remain on duty in those spaces.
- Pyrotechnics are to be renewed by the manufacturer's expiry date marked on each one.
- Horn must give a minimum of 110 dB.
- Chronometer or Deck Watch is to be in view of radio installation.
- Where a torch is allowed in lieu of a Daylight Signalling light it requires a facility for flashing, not just on/off switch.
- The minimum size of the N & C flags is 600mm x 400mm.
- Navigation lights and Day shapes will be viewed and tested at survey. A minimum of 3 Ball, 2 Cone and 1 Cylinder shapes are to be carried. Anchor and Masthead lights are to be separately switched.
- Anchors 25 to 49kg may be fitted with rope, providing 6m of chain is shackled between rope and anchor, Anchors 50 to 100kg:- one anchor requires to have chain shackled to it, the second anchor may have rope fitted with 6m of chain shackled to it, Anchors over 100kg:- both anchors require chain to be fitted.
A manual anchor winch is required for anchors over 30kg, a powered winch is required for anchors 50kg and over.

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