

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).

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| 17 | Main and auxiliary machinery, controls and instruments: engines will be tested whenever practical. |
| 18 | Cooling system, exhaust system and fuel system, (exhausts shall be lagged). |
| 19 | Steering systems, emergency steering, (recommended but not mandatory on twin-screw vessels). |
| 20 | 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) |
| 21 | Pipe work, (sea water rubber hoses must be double-clipped at each end). Approved rubber hose to be used eg "Dunlop Diamond 404 red stripe". |
| 22 | Machinery guards on all rotating machinery. |
| 23 | Alarm systems. (All vessels require a machinery space bilge alarm (if driven by inboard engine), audible at helm).
A bilge alarm is required in all compartments where sea water pumping systems are fitted.
The bilge alarm must not operate off the same float switch that operates the electric bilge pump. |
| 24 | Bilge system. Pumps will be tested whenever practical. |
| 25 | Emergency shut-offs on fuel valves, engine room fans etc, vent closures. |
| 26 | Watertight integrity - doors, hatches, closing devices, windows, ventilators, etc. |
| 27 | Guardrails, freeing ports, emergency escapes. |

Auxiliary Vessels - Conditions for Daylight Operation only

The safety requirements required in this checklist are formulated on the basis that:

- Maximum operating distance is the distance measured radially in any direction from the *Parent Vessel*, and is the lesser of:
 - the tabled distance; or
 - a distance whereby radio contact can be maintained between the *Parent Vessel* and the *Auxiliary Vessel*.
- The operating limits in Table 1 apply to vessels that meet the stability requirements for Auxiliary Vessels, subject to note 3 following.
- If the vessel's freeboard must be measured to the bulwark capping (no freeing ports fitted) to pass AS 1799 stability requirements, then the vessel is an *Open Boat*.
Auxiliary Vessels fitted with only one outboard must carry a set of paddles or oars and be demonstrated to be capable of being navigated by the average person while the vessel is fully loaded, or must never operate in areas where the *Parent Vessel* cannot attend.
Only diesel engines may be fitted inboard. The maximum power shall not exceed that recommended in AS 1799.1 Section 2.5 for outboards. It is assumed that there is only one *Parent Vessel* to one or more *Auxiliary Vessels*. *Auxiliary Vessels* shall be capable of being housed on the *Parent Vessel*, or towed by the *Parent Vessel* without persons on board the *Auxiliary Vessel*.
Persons carried on *Auxiliary Vessels* shall be from the *Parent Vessel* only, or shall be intended to board the *Parent Vessel* when the *Auxiliary Vessel* is used as a *Tender* to the *Parent Vessel*.
SPV stickers are to be displayed. The *SPV* will be the same as the *Parent Vessel* with an additional alphabetic character, different for each *Auxiliary Vessel* (eg. *SPV 123A*).
The words *Licensed to Carry (X) Persons*, shall be marked in a conspicuous position inside the vessel for passengers to note, generally on the console. The letters and numbers shall not be less than 20 mm high.
Vessels over 10m in Measured Length are to comply with full Uniform Shipping Laws Code requirements.



**EQUIPMENT LIST &
SURVEY REQUIREMENTS FOR
AUXILIARY VESSELS
(Daylight Operations Only)
3.5 Metres to 10 Metres in Length
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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AUXILIARY VESSEL EQUIPMENT CHECK LIST: (To be read with corresponding note numbers below).

An *Auxiliary Vessel* is a surveyed vessel that is certificated to operate within a defined radius of a single defined *Parent Vessel*.

An *Auxiliary Vessel* is issued with its own Certificate of Survey, and may carry up to 12 passengers.

(Passengers carrying vessels will be restricted to daylight hours operation only!)

NOTE	SURVEY ITEM	VESSEL LENGTH	REQUIREMENTS
1	BUOYANT APPLIANCES	ALL LENGTHS	Built in foam buoyancy 1. to Uniform Shipping Laws Code Section 10 Appendix N, or 2. to Australian Standard 1799.1 Appendix B1 through B4 requirements. REFER NOTE 1
2	LIFEBUOYS	7.5m AND OVER	1 Lifebuoy, with 27.5 metres of buoyant line,
3	LIFEJACKETS	ALL LENGTHS	An approved Coastal Lifejacket with whistle for each person the vessel is certified to carry,
4	PYROTECHNICS	ALL LENGTHS	3 Parachute Rockets, 2 Red hand flares and 1 Orange smoke signal,
5	SOUND SIGNAL	ALL LENGTHS	Horn or portable air/gas horn.
6	MISCELLANEOUS EQUIPMENT	ALL LENGTHS	Gangway or a safe means of access approved by the Department, Anchors, anchor chain (and/or rope), Ropes and Lines of sufficient number, length and strength for the size and service of the vessel, First aid kit (See note below), Gas detector for LPG installations, Radio installation, Approved EPIRB.
13	BILGE PUMPS	UNDER 7.5m 7.5m to 10 m	1 x 4kl/hr manual bilge pump, 2 x 4kl/hr manual bilge pump.
14	FIRE EXTINGUISHERS	ALL LENGTHS	1 suitable for extinguishing oil fires. REFER NOTE 14
15	ELECTRICAL EQUIPMENT	ALL LENGTHS	1 Waterproof Torch, 2 banks of batteries to be carried (i.e. 2 Batteries).
	16 to 27 - VARIOUS	ALL LENGTHS	ITEMS CHECKED AT PERIODIC SURVEY - REFER NOTES 16 to 27 BELOW

Refer to corresponding notes

NOTES

THESE NOTES REFER TO CORRESPONDING EQUIPMENT NOTE NUMBERS ABOVE

- 1 Polyurethane foam buoyancy (32kg/m³ minimum density) is required to be fitted.
- 2 Lifebuoys are to be identified with vessel's name and four bands of reflective tape at 90° to each other. A minimum of 27m of buoyant line is to be attached to the Lifebuoy. The Lifebuoy must be readily accessible at all times.
- 3 Lifejackets are to be marked with vessel's name, fitted with reflective tape and whistle. Jackets are to be stowed in an easily accessible place for emergency use. **"COASTAL" jackets are minimum requirement for Auxiliary vessels. "SOLAS" jackets may be used.**
- 4 Pyrotechnics shall be renewed by the manufacturer's expiry date marked on each one.
- 5 Horn must give a minimum of 110 dB.
- 7 Vessels under 7.5 metres in *Measured Length*, a 6 kg HHP anchor with 8mm x 3m chain attached to 10mm x 45m nylon rope is acceptable. Vessels 7.5 metres and over the anchoring arrangement is to comply with USL Code requirements as a sheltered water vessel. Anchors up to 25kg may be fitted with rope in lieu of chain; but at least 3m of chain must be shackled between rope and anchor.
- 9 The first aid kit is to be a proprietary line kit of common manufacture containing items similar to the following:

Acriflavine,	Adhesive plaster,	Scissors,	Splinter probe & Splinter forceps,
Antiseptic gauze pads,	Bandages,	Safety pins,	Aspirin or Paracetamol (recommended),
Calamine lotion,	Compressive bandage,	Dressings,	Burn and antiseptic cream,
Finger stall,	Sunburn cream,	Gauze,	First Aid pamphlet.
- 10 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.
- 11 A marine radio transceiver approved by the Australian Communications and Media Authority of the Commonwealth is to be fitted, though not necessarily surveyed by a radio surveyor authorised by Department. The radio shall be compatible with at least one radio installed on the Parent Vessel. The operator's certificate is to be produced at the time of survey, and a test call will be made.
- 12 An approved EPIRB shall be carried, mounted in wheelhouse by Auxiliary Vessels (either 121.5/243 or 406 MHz) unless the crew of the Auxiliary vessel can observe the Parent vessel, and the crew of the Parent vessel can observe the Auxiliary vessel **at all times**.
- 13 No bilge pumping system is required on auxiliary vessels less than 7.5 metres in measured length if,
 1. there is a sealed deck,
 2. there are no hull penetrations, and
 3. foam buoyancy is fitted to standards in the USL Code, Section 10, Appendix N, (Foam Buoyancy Calculation Sheet refers).
- 14 Minimum size of foam fire extinguisher is 9 litre,
Minimum size of dry powder extinguisher is 4.5kg,
Minimum size of CO₂ extinguisher is 3kg. } **All portable extinguishers must be serviced annually.**
Fire extinguishers of 0.9 kg Dry Chemical or 1.0 kg CO₂ are accepted on vessels less than 5 metres in measured length.
- 15 Starting batteries on new or modified vessels shall be fitted as high as practicable, above the deepest loaded waterline.
- 16 Table 1: Vessel Measured Length v Distance from Parent Vessel.

Vessel Length	Max Distance from Parent Vessel (Nautical Miles)	
	Sealed Deck	Open Boats
(1nm = 1.85 Kilometres)		
3.5m but less than 5.5m	3.0 nm	2.0 nm
5.5m but less than 10m	5.0 nm	2.0 nm

The distance an *Auxiliary Vessel* may operate from a *Parent Vessel* is dependent upon the *Auxiliary Vessel's* length and design, but in no case shall the *Measured Length* of the *Auxiliary Vessel* be less than 3.5 metres. The *Auxiliary Vessel* must never be longer in *Measured Length*, nor be certificated to carry more crew, or more passengers, or more persons in total complement than the *Parent Vessel* it serves (subject to a maximum of 12 passengers).

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