

GUIDANCE NOTE No: 4/94

REVISION No: 10

Class 2 Vessels Under 7 Metres - Initial Survey Requirements

Class 2D and 2E trading vessels, less than 7 metres measured length may only be used in partially smooth or smooth waters of the Northern Territory.

Guidance Note 7/94 'Small Passenger Carrying Vessels' should be consulted.

Guidance Note 33/98 should be consulted for details of partially smooth or smooth waters (gazetted sheltered waters).

Vessels not more than 5 metres in length carrying four or less people and operating within declared sheltered waters are exempt from survey but are required to carry safety equipment as prescribed for pleasure craft. For details Guidance Note 8/94 should be referred to.

The steps to be followed are: -

1. Provide completed application form for initial survey and make payment of initial survey fees.
2. Survey of the vessel to establish the measured length and suitability for its required operation. Applicants must show compliance to Guidance Note 7/94.
3. Calculation of:
 - maximum power capacity to AS 1799.1;
 - Vessels must comply with 3(a) **or** 3(b) **or** 3(c).
 - (a) Required internal buoyancy both quantity and location using Appendix N of USL Code Section 10 and the longitudinal distribution as per AS 1799.1. It is essential that **all** requirements of Appendix N be complied with. Show by calculations that the centre of mass of the material is above the flooded centre of gravity of the vessel, otherwise a heel and swamp test for level flotation in accordance with AS 1799.1 in maximum loaded operating condition may be shown as per 4(b); **OR**
 - (b) Submit following calculations and sketches to AS 1799.1:
 - i. Maximum load and person capacity for level flotation;
 - ii. Location of the buoyancy to AS 1799.1 for obtaining level flotation;
 - iii. Weight distribution for carrying out heel and swamp test for level flotation in maximum loaded operating condition; **OR**
 - (c) Carry coastal life-rafts fitted with hydrostatic release gear for 100% complement in addition to the safety equipment shown in the Appendix. Life-rafts must be

connected to an approved hydrostatic release gear and located in an approved location to enable it to float free in all conditions.

4. Verify that the solid buoyancy is fitted as required.
 - (a) If Appendix N has been used in calculating and fitting solid buoyancy, a heel test to USL Code Cat T criteria using a mass equivalent to the motor, fuel, equipment and the maximum person capacity may be shown; **OR**
 - (b) If AS 1799.1 has been used in calculating and fitting solid buoyancy a heel and swamp test for level flotation to AS 1799.1 in maximum loading operating condition may be shown. Prior to the tests being carried out the weight distribution for carrying out heel and swamp test for level flotation must be submitted. Openings of bungs to flood vessel are not permitted. Water must be filled from over the gunwale. Deck openings must be open/shut as in normal operating condition. Weights may be substituted for tanks, persons, safety equipment, outboard(s) and fuel; **OR**
 - (c) In case no internal buoyancy is fitted [paragraph 3(c)], stability test to Cat T of USL Code is to be carried out.
5. Confirm the ability to manoeuvre and use maximum power safely under working conditions.
6. Guard rails, bulwarks, gunwales to be minimum 750 mm high from all deck levels accessible to passengers. Fixed seating must be provided for all passengers on board. Gunwales, bulwarks or rails are not permitted for use as seating.
7. Complete a Request for Safety Manning Determination form;
8. Safety equipment to be verified by a Surveyor.
9. Requirements not specified to meet USL Code requirements
10. Issue Certificate of Survey.

Signed by: Sri Srinivas

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REQUIRED LIFESAVING APPLIANCES AND SAFETY EQUIPMENT

	AREA OF OPERATION 2D	AREA OF OPERATION 2E
Safety Equipment Required	<i>Gazetted partially smooth waters</i> Refer to Guidance Note: 33/98	<i>Gazetted smooth waters</i> Refer to Guidance Note: 33/98
INTERNAL BUOYANCY/ BUOYANT APPLIANCES	Comply with paragraph 3(a) or (b) or (c)	Comply with paragraph 3(a) or (b) or (c)
LIFEBUOYS	One with Light	One with light
LIFEJACKETS	100% Coastal	100% Personal Flotation Devices to AS 1512 or higher standard
DISTRESS SIGNALS	3 Parachute Rockets 2 Red Hand Flares 1 Orange Smoke Signal	2 Red Hand Flares 2 Orange Smoke
EMERGENCY WATERPROOF TORCH	One	One
PORTABLE FIRE EXTINGUISHER SUITABLE FOR OIL FIRES (MIN 30B)	One	One
FIRE BUCKETS/BAILER (WITH LANYARDS)	One	One
BILGE PUMP - 4000 1/HR (Note 3)	One	One
MAGNETIC COMPASS	Yes	-
HAND LEAD LINE/DEPTH SOUNDER	Exempt	-
ANCHORS & CABLES (Note 2)	As Calculated for Vessel	As Calculated for Vessel
BOAT HOOK/OARS FITTED WITH ROWLOCKS (UNDER 5 M)	Yes	Yes
NAVIGATIONAL LIGHTS (Note 1)	Yes	Yes
MEDICAL KIT – SCALE "G"	Yes	Yes
HORN	(Over 5 metres)	(Over 5 metres)

NOTE:

1. Navigation lights are not required for operations restricted to daylight hours only.
2. Details as per USL Code.
3. Manual bilge pump is acceptable. Electrical can be accepted only in spaces not containing fuel tanks.
4. Vessels for operation within 1 nautical mile of the coast must also carry lights on all life jackets and a sea anchor of minimum 700 mm diameter fitted with tripping line and hawser each of minimum 25 m length and 16 mm diameter.
5. It is strongly recommended that a 406 MHz EPIRB to AS/NZS 4280 requirements be carried.
6. Any enquires should be made to a Surveyor at Marine Safety Branch.