

GUIDANCE NOTE NO: 13/94

REVISION NO:

Hire & Drive Vessels - Inspection Requirements for Sailing Boats

1. GENERAL:

This guidance note should be read in conjunction with the Northern Territory Marine (Hire and Drive Vessel) Regulations. Information as required by Section 8 of the regulations are given below.

2. SAILING BOATS:

2.1 A sailing boat of less than 7.5 metres in length, which is intended for use as a hire and drive vessel shall :

- (a) be of an established and/or proven design;
- (b) be constructed in accordance with appropriate sections of the Small Boats Code (AS1799) or with such other requirements as the Marine Safety Branch shall determine;
- (c) have locking nuts or pins fitted to the rudder, tiller and centreboard to prevent their loss in the event of capsizing;
- (d) have sails capable of being lowered or hoisted while the vessel is afloat;
- (e) have securely fixed to it in the bows a towing point suitable for securing a tow line or painter;
- (f) have a flotation device fitted to the top of the mast to prevent complete capsize; and
- (g) where used by persons residing on board for an overnight period or longer, be provided with accommodation, consistent with USL Code 18.5.1.2., subject to the following relaxations:
 - (i) the headroom in accommodation spaces may be reduced to 1.6 metres;
 - (ii) the passageway widths should not be less than 600mm;
 - (iii) a bunk should be provided for each person for whom the boat is certificated;
 - (iv) fixed cooking facilities shall be provided;
 - (v) a portable toilet may be provided;

- (h) In the case of a ballasted boat, meet the following stability criteria:
 - (i) wind moment = $M_w = 0.005 Ah$
where
A = total sail area in square metres
h = distance between centroids of the above waterline projected lateral area and of the below waterline projected lateral area
 - (ii) the vessel loaded in the worst foreseeable condition should be gradually inclined to about 12°. Readings of the heel angle are to be taken as the moment is increased at enough intervals to provide sufficient points to draw a curve of heel angle versus moment;
 - (iii) the curve derived in (ii) is to be extrapolated to intersect the theoretical heeling moment calculated in (i);
 - (iv) the stability will be considered satisfactory if the intersection of the two lines occurs at any angle less than 25°.

2.2 A sailing boat of 7.5 metres or more in length, which is intended for use as a hire and drive vessel, shall:

- (a) be of an established and/or proven design;
- (b) be constructed in accordance with :
 - (i) such provisions of the USL Code as the Marine Safety Branch shall determine; or
 - (ii) the rules and requirements of such other bodies as the Marine Safety Branch shall allow;
- (c) be provided with an auxiliary motor designed for marine use and using only those fuels with a flash point of 60°C or higher; and
- (d) where to be used by persons residing on board for an overnight period or longer, have accommodation fitted consistent with the type of vessel and the area of operations, as required
- (e) meet the following stability criteria :
 - (i) wind moment = $M_w = 0.005 Ah$
where
A = total sail area in square metres
h = distance between centroids of the above waterline projected lateral area and of the below waterline projected lateral area
 - (ii) the vessel loaded in the worst foreseeable condition should be gradually inclined to about 12°. Readings of the heel angle are to be taken as the moment is increased at enough intervals to provide sufficient points to draw a curve of heel angle versus moment;
 - (iii) the curve derived in (ii) is to be extrapolated to intersect the theoretical heeling moment calculated in (i);

- (iv) the stability will be considered satisfactory if the intersection of the two lines occurs at an angle less than 25°.

3. SAFETY EQUIPMENT

1 Coastal lifejacket suitable for every person adult or child whilst the vessel is engaged in sheltered waters (harbour) operations or 1 PFD (AS1512) for inland water operations.

1 Waterproof torch

Bailer or bucket with lanyard

Anchor with rope as per USL Code.

Sailing boats will not be permitted to operate outside sheltered waters (harbour).

4. INSPECTION OF SAILING VESSELS

Check overall condition of craft.

Inspect rigging.

Check in-built vessels buoyancy, subdivision or float-off buoyancy.

Check mast-head flotation device.

Verify that safety equipment is provided and check condition.

Subsequent to initial inspection the vessel will be inspected annually.

The report of Hire Boat inspection must be completed in all cases. The vessel identification number will be verified and checked to see that it is clearly visible.

5. Items not covered under this note shall be as per USL Code.

Signed by: Sri Srinivas

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