



**YDSA Certifying Authority**  
 (Authorised by the Maritime and Coastguard Agency)

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THE SAFETY OF SMALL COMMERCIAL MOTOR AND SAILING VESSELS – Codes of Practice

**STABILITY APPLICATION. RIBs and Inflatables under 24 metres operating in Categories 2 to 6, carrying less than 1000kg cargo, less than 16 persons and not engaged in lifting or towing.** (All other vessels will require a stability book approved by the Certifying Authority)

**Owner / Managing Agent**

Name.....  
 Address.....  
 .....  
 Post Code.....  
 Tel .....Fax or email.....

**Vessel Details**

Name .....  
 Designer .....  
 Builder .....  
 Model .....  
 Launch Year .....Length.....metres

**Cargo.**

Certificates will be issued for a RIB or Inflatable to carry a combination of persons and cargo to the total weight of persons on board carrying out the tests (at 75kg per person). For example a RIB or Inflatable tested with 6 persons would be certificated for 6 persons or a combination of persons and cargo totaling (6 x 75kg) 450kg. If she passes the various tests with additional cargo this will be added to the certificate thus with a larger RIB she could well be certified for, say, 15 persons plus 750kg cargo or a combination of up to 15 persons and cargo not exceeding 2125kg of which the cargo element must not exceed 1000kg. Owners should be aware of the consequences of overloading particularly with RIBs used for diving.

Note that weights may be used in lieu of engines, tanks etc and persons for test purposes.

**Inflation test Requirement. Inflation test. All inflatables and RIBs Code para 4.5.3 (note, this test is also an annual requirement)**

Inflate boat to 120% of manufacturers working pressure on alternate compartments at a time for 30 minutes and then together for the 30 minute test. See note below

Examine tubes and joints with soapy water for integrity. Were leaks noted No

Was the pressure the same after 30 minutes. Yes

Was the pressure no less than 100% of manufacturers working pressure after 24 hours Yes

Test witnessed by.....Qualifications.....Date...../...../20....

The initial inflation test for all boats (to be repeated annually) is best done on the boat to be coded by the manufacturer or manufacturer's agent as they should have the appropriate test equipment and facilities for rectifying any leaks found.

The Certifying Authority will accept the signature of a responsible person who in addition to his qualifications should state his position within the Company. The afloat tests should be witnessed by the Nominated Surveyor.

**Freeboard & Damage Requirement. Upright freeboard. Intact, damaged and swamped.**

All tests to be conducted with the vessel fully laden. Code paras 11.5.1, 11.5.2, 11.5.3, 11.5.4 and 12.2.4

Upright freeboard required by the Code when fully laden.  
(300mm and 250mm at the transom)

Minimum upright freeboard achieved at the buoyancy tubes when fully laden .....mm

Minimum upright freeboard achieved at the transom when fully laden .....mm

Number of persons on board (weights may be used in lieu) .....

Weight of cargo on board in addition to persons (if any) .....kg

Is dispensation requested in respect to paragraph 12.2.4.3 for a RIB operating in Cat 6 Yes

Indicate the freeboard with half the persons embarked crowded to one side and seated on the buoyancy tube. Port .....mm  
Starboard .....mm

If cargo is carried in addition to persons repeat the test  
With persons and cargo in the stowed position Port .....mm  
Starboard .....mm

*(boat must have positive freeboard all round the periphery of the boat)*

Were 2 persons able to recover a third person feigning unconsciousness from the water Yes

Did the boat support all persons and cargo (if any) with the bow compartment deflated and the entire buoyancy on one side deflated Yes

Did the boat support all persons and cargo (if any) when fully swamped Yes

Was the boat seriously deformed No

Was subsequent drainage satisfactory Yes

Test witnessed by.....Qualifications.....Date...../...../20....