



Application for Stability Category Allocation

Royal Yachting Association
RYA House
Ensign Way, Hamble
Southampton, SO31 4YA
Tel: 0845 345 0383
Email: scvcert@rya.org.uk

*For Non-Inflatable Monohull Motor Vessels
Intended for Operation in Categories 2, 3, 4, 5 or 6
Not Carrying More Than 15 Persons
Not Carrying More Than 1000kg of Cargo
Not Engaged in Lifting or Towing*

1. DETAILS OF OWNER or MANAGING AGENT

NAME			
ADDRESS			
POST CODE		TELEPHONE	
Email		MOBILE	

DETAILS OF OWNER (if not listed above)

NAME			
ADDRESS			
POST CODE		TELEPHONE	
Email		MOBILE	

2. DETAILS OF VESSEL

NAME		DESIGN/MODEL	
BUILDER		HIN	
LENGTH	m	BEAM	m

BOAT TYPE (tick one box)	Fully Decked Boat	<input type="checkbox"/>	Open Boat	<input type="checkbox"/>
IS THE BOAT TO BE USED IN AREAS OF ICE ACCRETION?				YES/NO
INTENDED AREA OF OPERATION 2, 3, 4, 5 or 6				
INTENDED NUMBER OF PERSONS (Crew and Passengers)				
INTENDED WEIGHT OF CARGO IN ADDITION TO PERSONS (including any diving gear)				kg

"Cargo" for the purpose of the Code means all items which are transported by the vessel except fuel for the vessel, ballast (either solid or liquid), consumables to be used onboard, permanent outfit and equipment of the vessel, stores and spare gear for the vessel, crew and their personal baggage and passengers and their personal baggage, and activity related equipment;

Bas - Length, number of persons and weight boxes above have max numbers set - bigger numbers trigger error messages

3. STABILITY AND BUOYANCY ASSESSMENT

The vessel may be assessed either by submission of ISO 12217 Part 1 data (3A), or by test (3B)

3A - ISO 12217 PART 1 DATA METHOD (Code section 11.4.5)

Code Stability Category Allocations using ISO 12217 Part 1 needs to be validated by the RYA. To achieve this the RYA will require ISO 12217-1 assessment reports, calculations and data sheets in respect of the design of vessel from the model's Test House or Notified Body. This information is normally made available from the builder. Once validated the RYA will list the model on its stability website list. This may be viewed at www.rya.org.uk/technical/standardstabilitydata/. Each model listed will be detailed with an ID number. Provided the boat requiring Stability Category Allocation is the same as that listed, including engines and crew/persons number, then an Owner/Agent may apply for Code Stability Category Allocation by quoting the ID number and completing the declaration below in Section 4.

Name of listed Model			ID number of listed model		
Number of Engines		Make and Model			kW each Engine

3B - TEST METHOD

3B.1. ALL BOATS - Upright & Heel Tests (Code Section 12.2.2 & 11.4.1)

Tests carried out at			Date		
Number of persons supported by the boat					
Weight of cargo in addition to weight of persons, engine and fuel supported by the boat				kg	

Upright Test - With the vessel fully loaded (including liferaft or equivalent weight) and all persons (or equivalent weight at 75kg each) assembled about the centreline and with ALL cargo aboard in its operational location, record.

Minimum freeboard to lowest part of deck or to gunwale in open boats			mm
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Heel Test, No Cargo - With the vessel fully loaded as above but with all persons, except the helmsman, along the side and with **NO** cargo aboard, the vessel shall be heeled both to port and starboard and the following recorded.

Minimum freeboard to lowest part of deck	To port	mm	To starboard	mm
Either Maximum heel angles:	To port	degrees	To starboard	degrees
Or Maximum pendulum deflections:	To port	mm	To starboard	mm
with length of pendulum:	Length	mm		

Heel Test with Cargo - With the vessel fully loaded as above with all persons, except the helmsman assembled along the side but with **ALL** cargo aboard in its operational location, the vessel shall be heeled both to port and starboard and the following recorded.

Minimum freeboard to deck	To port	mm	To starboard	mm
Either Maximum heel angles:	To port	degrees	To starboard	degrees
Or Maximum pendulum deflections:	To port	mm	To starboard	mm
with length of pendulum:	Length	mm		

3B.2. BOATS OF Over 15m Length - GM Calculation (Code Section 11.4.2)

Displacement of empty vessel with engine and fuel	kg
Average distance of persons from the centreline during No Cargo heel test	mm

3B.3. OPEN BOATS - Swamp Test (Code Section 11.4.4)

Either 1. Demonstration

Swamp test carried out at

Date

<input type="text"/>
<input type="text"/>
<input type="text"/>

Number of persons supported by the swamped boat

Weight of cargo in addition to persons, engine and fuel weight supported by the swamped boat

kg

Or 2. Calculation

Calculations are enclosed showing the number of persons supported by the swamped boat and cargo, in addition to persons, engine and fuel

<input type="text"/>
<input type="text"/>

kg

4. DECLARATION

I certify that the information given is accurate to the best of my knowledge. Also, if Method 3A is used, that the boat is of the specified standard production model without any modification that would effect its stability and/or buoyancy. If I make changes to the vessel or discover any of the information to be incorrect, I will notify the RYA.

I am happy for the RYA to publish the above stability data.

YES/NO

SIGNED

DATE

NAME

Note: It is recommended that a copy is kept by you for future reference