

## **LEVEL 2 POWERBOAT COURSE**

**AIM:** to teach boat handling and seamanship in powerboats

The course may be conducted in a variety of boat types, both planning and displacement and the certificate issued will be endorsed to show the type (s) of boat in which the training took place. The ratio of students to instructors should not exceed 3:1

**Duration:** 2 days

### **PRACTICAL SECTION A**

#### **1. Launching and recovery**

Use of trailer or launching trolley

Consideration of launching and sea conditions, including hazards and obstructions

Number of persons required to launch/recover

Construction, width and condition of slipway

Steep/slippery slipways, beaching launching, lee shores

Care of trailer bearings, hitch, lashings, ties, lights, winch

Trailer parking

Preparation of boat, lines, fenders, safety equipment, fuel tanks and lines

Stowing and securing gear on board

#### **2. Boat handling**

Pre-start checks

Starting and stopping

Use of kill cords

Loading: effect on handling and performance, effect on balance and trim, manufacture's recommendations

Crew members: minimum number in high-speed craft, keeping a look out

Awareness of other water users, including effect of wash

Steering, controls, effect of current or tidal stream

Low speed manoeuvring: turning in a confined area, effect of wind on bow, holding off, danger of flooding when going astern

High speed manoeuvring: planning, trim tabs and power trim

S-turns and U-turns

Planning boats: propeller angle and immersion, shallow drive, high/low speed handling, tiller/consol steering

Displacement boats: handling ahead and astern, carrying way

#### **3. Securing to a buoy**

Preparation of mooring warp

Use of boat hook

Method of approach

Crew communication

Making fast

Procedure when overshooting

#### **4. Anchoring**

Types of anchor  
Stowage and attachment to boat  
Depth of water, holding ground, scope required  
Preparation of anchor, chain and warp  
Method of approach in various conditions  
Taking way off  
Crew communication  
Checking holding  
Weighing anchor

#### **5. Leaving and coming alongside**

Preparation and use of painter, lines and fenders, attachment to boat, stowage under way  
Speed and angle of approach  
Wind effect  
Method of approach in tidal stream or current  
Making fast alongside  
Leaving – ahead or astern  
Use of springs

#### **6. Man overboard**

Immediate action  
Observation of man overboard  
Correct return, awareness of propeller  
Recovery of man overboard  
Approach to man in water

### **SHOREBASED TEACHING SECTION B**

Types of craft: advantages and disadvantages of different hull forms with respect to sea keeping ability  
Engines and drives: advantages and disadvantages of outboard, inboard and outdrive units, power tilt and trim tabs, single and twin screws, choice and use of fuel  
Sitting of fuel tanks, fuel lines, batteries, wiring, fire extinguishers  
Routine engine maintenance checks, basic fault diagnosis  
Safety equipment  
Personal buoyancy  
Awareness of other water users  
Applications of IRPCS, Rules of the Road  
Knowledge and application of local bylaws  
Weather forecasts  
Communication with other craft – hand and sound signals  
Advice to inland drivers about coastal waters  
Disable craft  
Emergency action, preventing sinking  
Adrift – alternative means of propulsion  
Towing and being towed  
Fire precautions and fire fighting  
Distress signals  
Rope work

## **COASTAL SECTION C**

Practical application of Section A in coastal waters

Practical use of charts, understanding of chart symbols and buoyage systems

Practical understanding of tides and tidal streams, use of steering and hand bearing compass

Pilotage and passage planning

CG66 Small Craft Safety Scheme

## **DIRECT ASSESSMENT FOR EXPERIENCED POWERBOAT DRIVERS SECTION D**

The candidate should have the equivalent of at least one full season's powerboat handling experience.

The candidate must complete the practical exercise and satisfactorily answer questions on Section B

Candidates seeking assessment on coastal water will demonstrate knowledge and practical application of Section C

## **PRACTICAL ASSESSMENT OF ALL CANDIDATES FOR LEVEL 2**

The practical exercise detailed in the diagram shows the manoeuvres required to be demonstrated during the practical test. Candidates are expected to show that they understand the principles of each manoeuvre. Failure to successfully complete a manoeuvre at the first attempt will not necessarily result in overall failure, but a timely awareness of the need to abort an exercise and try again is important.

**\* THIS COURSE CAN BE COMMERCIALY ENDORSED WITH THE ADDITION OF A BASIC SEA SURVIVAL COURSE AND A PERSONAL MEDICAL**

Course last for 2 days during which student will learn launching, mooring, anchoring and recovery plus boat driving skills required for basic competence in a powerboat. Candidates require no previous experience. (min age 12)

**Course costs 450€** per person. Including 16% IVA and mooring fee in Puerto Portals.

Minimum 2 persons

**bringing the dream alive**

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