

RYA Intermediate Powerboat Certificate
Powerboat Day Cruising

Aim: To teach powerboating up to the standard required to complete short coastal passage by day. The ratio of students to instructors should not exceed 3:1

Assumed Knowledge: Candidates should be competent to the standard of the National Powerboat Certificate Level 2 with coastal endorsement.

Duration: 2 days

Minimum Age: 16

Section A
Theory

Planning a day cruise

Knowledge of:

Navigation
True and magnetic bearings
Bearing and distance
Chart symbols
Tidal diamonds and tidal streams
Use of pilot books
Position lines
Use of marina locks (can be covered practically if appropriate)

Understands:

Latitude and longitude
The principles of GPS
Sources of forecast information and the interpretation of forecasts
Tidal heights at secondary ports

Can:

Use a plotting instrument and plot a course to steer (CTS)
Work out tidal heights for standard ports using a tidal curve
Interpret Lateral and Cardinal Buoyage
Implement IRPCS, in particular rules 5, 7, 8, 9, 12-19, 23
Use GPS waypoints navigation and determine XTE, SOG, COG, BYW, DTW*
Use a laminated chart afloat
Use pilotage to enter an unfamiliar port by day
Explain how to make a emergency VHF call

*XTE – cross track error, SOG – speed over ground, COG – course over ground

BTW – bearing to waypoint, DTW – distance to waypoint

Section B

Practical

The aim of the practical session is to put into practice the theory detailed above and to complete a passage, which should include:

Boat preparation

Understands

The importance of protective clothing and safety equipment

The minimum level of equipment for the boat

Considerations of equipment required for longer passages

Correct stowage of equipment

Boat handling

Knowledge of:

Effect of waves

Rougher conditions

Awareness of other water users

Mooring stern-to between posts or Med style

Can:

Demonstrate awareness of wind and tide

Moor alongside, in a marina berth (where available)

Demonstrate the use of an appropriate length kill cord at all times

Pilotage

Can:

Demonstrate a practical application of techniques for pilotage in local waters

Passage making

Understands

The need for preplanning, including advice in the event of having to return at night

Can:

Apply the lessons learnt in the theory section and successfully complete the practical passage

Fix position by traditional and electronic means

Man Overboard

Understands

Techniques for picking up a man overboard in differing conditions

Can:

Pick up a man overboard