



## Dive Boat Coxswains Certificate - Irish Sailing (Irish Sailing)

# DIVE BOAT COXSWAINS CERT

### Checklist for Irish Sailing Training

★ UNSTARTED

#### PREVIOUS KNOWLEDGE / EXPERIENCE

All participants on this course must hold ...

- ☐ The ISA National Powerboat Certificate or an equivalent certificate
- ☐ Personal experience in, or knowledge of diving would be an advantage. The ISA strongly advise that the Dive Boat Coxswains hold an appropriate First Aid Certificate and the Short Range (SRC) VHF radio operator's certificate
- ☐ Those Coxswains taking divers to dive sites that are further offshore, or to coastal sites with which they are not familiar, should consider completing the ISA Advanced Powerboat Course

#### DURATION

This course should ordinarily consist of a minimum of 14 hours contact time. However the length of the course may be extended where it suits participants to take a more relaxed approach to the programme.

#### TYPES OF BOATS

This course may be conducted in a variety of boat types. When you book your course, do ensure that you will be using the type of boat that you expect to be using as a diveboat coxswain.

#### ASSESSMENT

Assessment is continuous throughout the course. However, instructors may at their discretion require the use of a formal practical assessment of boat handling skills and / or a short written paper or oral interview in assessing a candidate's level of background knowledge.

#### ACCREDITATION

This certificate is recognized by The Irish Government.  
This certificate may be offered as a module accredited by Qualities and Qualifications Ireland (QQI)

#### PREPARATION OF BOAT FOR USE

Having prepared a Dive Boat for use. Including ...

- |   |                                    |
|---|------------------------------------|
| Rigging and fuelling a Dive Boat for use  | <input type="checkbox"/> Completed |
| Conducting pre-departure checks on the boat, engine and controls  | <input type="checkbox"/> Completed |
| Identifying what equipment should be carried on a Dive Boat and describing how it would be used and maintained. | <input type="checkbox"/> Completed |
| Stowing diving and other equipment on board.  | <input type="checkbox"/> Completed |

#### BOAT HANDLING

- |  |                                    |
|--|------------------------------------|
| Be able to hold position off of a moored boat,   | <input type="checkbox"/> Completed |
| Be able to hold position off of a motorboat that is making way at displacement speeds, | <input type="checkbox"/> Completed |
| Be able to hold position off of a free floating object in the water.                   | <input type="checkbox"/> Completed |
| Be able to safely and effectively recover a person from the water.                     | <input type="checkbox"/> Completed |
| Be able to land and recover the Divers from lee shore.                                 | <input type="checkbox"/> Completed |
| Be able to safely and effectively steer a compass course.                              | <input type="checkbox"/> Completed |
| Be able to describe how to handle a boat in rough weather.                             | <input type="checkbox"/> Completed |

#### DIVING OPERATIONS

- |   |  |
|---|--|
| Be able to describe what to look for and what to avoid when choosing a dive site.   | <input type="checkbox"/> Completed   |
| Have demonstrated that you can deploy ...   | <input type="checkbox"/> Shot lines<br><input type="checkbox"/> Lazy shots<br><input type="checkbox"/> Decompression stops |
| Have demonstrated that you can safely and effectively deploy divers into, and recover divers from, the water using methods appropriate to the divers boat and conditions. | <input type="checkbox"/> Completed   |
| Have demonstrated that you can get divers onto a shot line.   | <input type="checkbox"/> Completed   |
| Be able to describe the use of sweep or distance lines.   | <input type="checkbox"/> Completed   |
| Have demonstrated that you can effectively patrol a dive site   | <input type="checkbox"/> Completed   |
| Have demonstrated that you can organise and manage a drift dive.  | <input type="checkbox"/> Completed   |
| Describe how and why Surface marker Buoys are used.   | <input type="checkbox"/> Completed   |
| Have demonstrated that you can properly use diver record cards.   | <input type="checkbox"/> Completed   |

Be able to describe, and where appropriate demonstrate, that you can communicate with divers who are on the surface or submerged. ☐ Completed

Be able to describe the use of wreck finding equipment including ... ☐ Grapnel hook  
☐ Magnemometer

#### PREPARATION OF BOAT FOR USE

Have demonstrated that you can ... ☐ Orientate a chart using topographical features, navigation marks and / or a compass,  
☐ Identify features, including hazards, from a chart,  
☐ Identify your position on the chart,  
☐ Identify distances from the chart and accurately predict expected progress,  
☐ Describe the effects of compass deviation and variation,  
☐ Plot a course to steer, taking account of the effects of wind & current.

Be able to demonstrate the use of the following when travelling to and from a dive site, in locating a dive site and holding position on a dive site ... ☐ GPS  
☐ Depth sounder and fish finder  
☐ Steering compass  
☐ Hand bearing compass  
☐ Transits to fix position and hold a course.

#### PASSAGE PLANNING

Have devised passage / pilotage plans for a coastal passage, by day and in waters with which you are familiar. ☐ Completed

Be able to identify where to obtain the information needed to devise a passage plan. ☐ Completed

Be able to programme a passage plan into a GPS set. ☐ Completed

Be able to predict how much fuel you will need. ☐ Completed

#### PASSAGE MAKING

Have safely skippered the boat on a coastal passage by day in waters with which you are familiar. ☐ Completed

Be able to steer a compass course. ☐ Completed

#### WEATHER

Be able to identify common weather conditions and describe how they may affect your powerboating and diving activities. ☐ Completed

Be able to identify sources of weather forecasts. ☐ Completed

Be able to interpret the forecast with regard to planned activities. ☐ Completed

Be able to identify key indicators of impending short term weather conditions. ☐ Completed

#### COASTAL KNOWLEDGE

Be able to describe the effect tides can have on your powerboating and diving activities. ☐ Completed

Be able to determine, for any point on the coast, through calculation or otherwise ... ☐ Expected rate of flow of tides at a given time,  
☐ The time of slack water,  
☐ Tidal heights as they affect dive sites, pilotage, and launch and recover of the boat.

#### APPLICATION OF "RULES OF THE ROAD"

Have demonstrated the ability to apply the International Rules for the Prevention of Collision at Sea in all circumstances and particularly as they affect diving operations. ☐ Completed

Be able to identify the principal day marks used in IALA-A buoyage system and describe their significance. ☐ Completed

Be able to identify the type, aspect and behaviour of vessels by day from day shapes. ☐ Completed

Be able to identify the correct navigation lights and day shapes to use on the powerboats. ☐ Completed

Be able to describe and use manoeuvring (sound) signals. ☐ Completed

#### BOAT TYPES

Be able to describe the characteristics you would look for in powerboats used as dive boats. ☐ Completed

Be able to identify what types of boats, engines and drive types would have these characteristics. ☐ Completed

#### SAFETY

Be able to demonstrate how to communicate with other vessels. ☐ Completed

Be able to describe what information should be provided to whom, prior to, during and subsequent to a dive trip. ☐ Completed

Be able to describe when and how to summon assistance both for diving incidents and boat related incident. ☐ Completed

Be able to describe how to manage divers and passengers who are seasick. ☐ Completed

Be able to describe how to manage a case of decompression illness and other medical emergencies on board the dive boat.	<input type="checkbox"/> Completed
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Be able to describe how to manage a helicopter lift from a dive boat.	<input type="checkbox"/> Completed
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Be able to describe, and where appropriate demonstrate, appropriate methods of conducting searches for lost divers.	<input type="checkbox"/> Completed
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#### CARE OF BOATS & EQUIPMENT

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Be able to ...	<input type="checkbox"/> Undertake basic fault diagnosis on the engines used,
	<input type="checkbox"/> Change a propeller,
	<input type="checkbox"/> Explain how to manually start an engine.

Be able to de-rig a powerboat after use and store equipment properly	<input type="checkbox"/> Completed
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#### FURTHER TRAINING

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Be able to identify what further training courses are available and where to find out about them