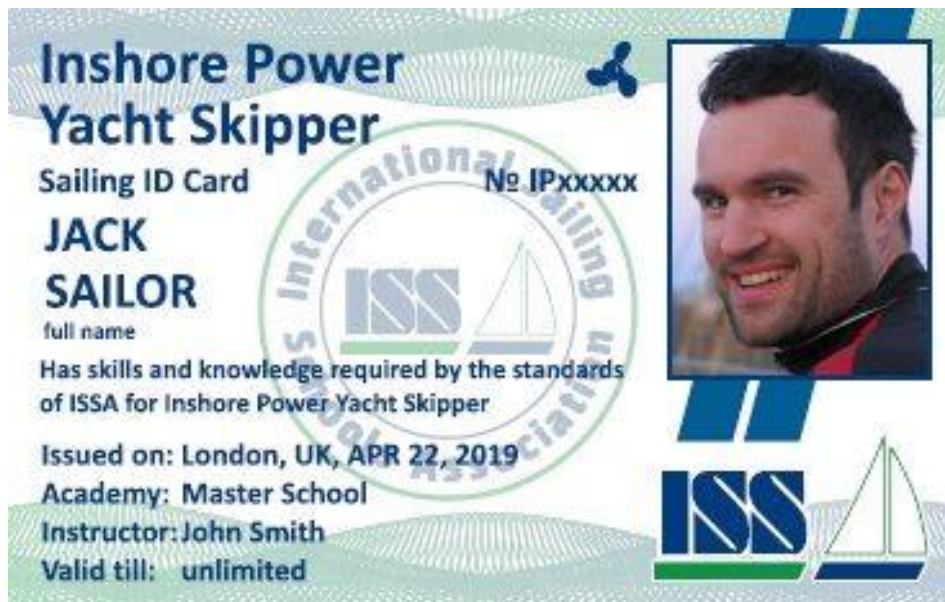


Inshore Power Skipper



Experience required prior training: At least 1 cruise on a power yacht

Certification required prior training: None

Minimum age required: 16 years old

Suggested number of training hours: 10 hours theory / one day practical

Who can run the training: ISSA Instructor

Who can do the examination: ISSA Instructor

How to submit the application: To authorized ISSA school only

Skills and knowledge required for an Inshore Power Yacht Skipper

Yacht's construction

1. Knows the basic parts of yacht and what are they designed for:

- a. Cockpit
- b. Bildge
- c. Heads
- d. Galley
- e. Bow
- f. Stern, aft etc.

2. Can operate elementary yacht's systems:

- a. Toilet
- b. Gass oven
- c. Sink
- d. Shower

3. Can fill up the water and diesel tanks

4. Can operate the inboard engine

- a. Start it
- b. Switch it off
- c. Check whether cooling system works
- d. Inspection before starting
- e. Top up engine oil
- f. Check cooling fluid level
- g. Top up cooling fuel level
- h. Control the tension of V-belt on engine
- i. Find bottom valves
- j. Recognize the breakdown of impeller in cooling system and possibly replace it
- k. Check whether alternator is charging batteries when engine is working.

5. Knows elementary yacht equipment

- a. Boom
- b. Mast (with various methods of sail reefing)
- c. Rigging
- d. Haulyards
- e. Echosounder (location, operation, typical errors);
- f. Log
- g. Steering system
- h. Keel

Line and spring handling

1. Can combine two lines of the same and different diameter

2. Can make:

- a. Bowline
- b. Fast a line on a cleat
- c. Fishermen's bend
- d. Coil mooring lines

3. Can:

- a. Pass, take, make fast on cleat, let go mooring lines
- b. Throw mooring lines
- c. Describe different ways of taking a mooring

Handling fenders

1. Can:

- a. Fix them by applying adequate knots
- b. effectively operate the manouvering fender

Operating the anchor

1. Can:

- a. Prepare anchor for weighing (switches and controls)
- b. Operate the windlass (control the letting out and pulling in the chain)
- c. Select safe location for staying at anchor
- d. Apply rules for safe anchoring (4xdepth, anchor alarm/watch)
- e. Distinguish different types of anchors and their characteristics

Handling the dinghy

1. Can:

- a. Inflate dinghy, take it off the deck and put it back on the deck
- b. Secure the dinghy to the yacht
- c. Paddle
- d. Secure the dinghy to the yacht deck
- e. Install the outboard engine on the yacht (for storage) and on the dinghy (for work)
- f. Connect the fuel system to the outboard engine
- g. Start and switch off the outboard engine

Safety

1. Can perform the safety briefing under the deck:

- a. Gas system
- b. Toilet operation
- c. Fire fighting equipment
- d. Water supply system
- e. Electric system

2. Can perform the safety briefing on deck:

- a. How to move on deck
- b. How to apply personal safety equipment (harness, jackstay, etc.)
- c. Apply distress signalling equipment (pyrotechnics, flags, etc.)
- d. Liferaft
- e. Different methods to send distress signal
- f. Make a distress call with help of VHF

- g. Knows procedures to be applied in restricted visibility
- h. Basic knowledge about SAR procedures (RIB, helicopter)
- i. First Aid Kit (location and content)

Handling yacht under Power

1. Can:

- a. Manouver a yacht under power
- b. Approach a MOB
- c. Take a berth/leave a berth (longside, stern-to, bow-to)
- d. Weigh anchor

International Rules for Preventing Collisions at Sea

1. Knows the navigation shapes and lights:

- a. Vessel not under command
- b. Vessel restricted in ability to manouver
- c. Vessel engaged in fishing
- d. Vessel aground
- e. Pilot vessel
- f. Towing set
- g. Sailing yacht
- h. Power driven vessel

2. Knows the vessels' priority at sea

3. Knows how to proceed in a „close encounter“ situation

4. Is familiar and complies with the requiremet for continues observation

5. Is familiar with other legal obligations of a skipper and crew

6. Is familiar with and understands after-collission rules applicable at sea

Navigational Aids

- 1. Knows, understands and is able to recognize lateral and smaller channel marks at day time in system IALA A and B**
- 2. Knows, understands and is able to recognize cardinal marks and other navigational marks (safe watermark, isolated danger mark) at day time**
- 3. Is able to use the list of marks and symbols used on charts (eg. Chart 5011)**
- 4. Is able to apply navigational publications when planning a port's entry (pilot books, almanachs, navigational plans)**
- 5. Knows and can recognize light characteristics of Lighthouses/navigational marks**

Terrestrial navigation

- 1. Knows and understands the basic terms from geography:**
 - a. Latitude
 - b. Longitude
 - c. Magnetic pole
 - d. Geographic pole
 - e. Earth's magnetic field
- 2. Knows the basic types of sea charts, their construction and application:**
 - a. Mercator's projection chart (how is it constructed, spreading of parallels, construction parallel)
 - b. Passage charts, coastal charts, plans
- 3. Can read elementary information from a chart that is crucial for safe sailing:**
 - a. Depths
 - b. Distance
 - c. Navigational obstacles
 - d. Navigational marks
- 4. Can read charts/ plot latitude and longitude**
- 5. Knows and understands the phenomenon of Earth's magnetism, variation and deviation**

- 6. Can use a compass**
- 7. Can calculate, set, read and plot courses on a chart with respect of variation, deviation and leeway**
- 8. Can plot yacht's position using bearing lines**
- 9. Can plot yacht's position using the maintained course, distance ran and estimated leeway**
- 10. Can make use of various bearing lines**
- 11. Has general information about tides and tide-related dangers**

Electronic-based navigation

- 1. Knows how the GPS system works.**
- 2. Can enable and check the elementary settings of GPS and plotter.**
- 3. Can set and read adequate course on GPS.**
- 4. Can plot a position on a chart taken from a GPS.**
- 5. Knows what is AIS, ARPA, VTS.**

Meteorology

- 1. Knows the Beaufort scale and its meaning for small craft.**
- 2. Knows sources of meteo information and how to use them.**
- 3. Has the basic knowledge about high, low pressure areas, fronts.**
- 4. Can recognize cumulonimbus clouds.**
- 5. Understands meteo messages (including those broadcast by radio coastal stations).**
- 6. Can take meteo factors into consideration when planning a passage in a coastal zone.**
- 7. Has the habit not to leave harbour without valid weather forecast.**

Other

- 1. Environmental friendly approach and respect to other yachtsmen.**
- 2. Knows and applies basic pro-environmental rules.**
- 3. Knows and applies social friendly approach at sea and in harbour.**