

# Inshore Skipper

<b>Experience required prior training:</b>	At least one sailing cruise
<b>Certification required prior training:</b>	None
<b>Minimum age required:</b>	16 years old
<b>Suggested number of training hours:</b>	50 hours
<b>Who can run the training:</b>	ISSA Instructor
<b>Who can do the examination:</b>	ISSA Instructor
<b>How to submit the application:</b>	To authorized ISSA school only

## **Skills and knowledge required for an Inshore Skipper**

### **Yacht's construction**

- ▲ Knows the basic parts of yacht and what are they designed for:
  - Cockpit;
  - Bilge;
  - Heads;
  - Galley;
  - Bow;
  - Stern, aft, etc.
- ▲ Can operate elementary yacht's systems:
  - Toilet;
  - Gas oven;
  - Sink;
  - Shower;
- ▲ Can fill up the water and diesel tanks;
- ▲ Can operate the inboard engine;
  - Start it;
  - Switch it off;
  - Check operation of cooling system;
  - Check oil level;
  - Top up engine oil;
  - Check cooling fluid level;
  - Top up cooling fluid level;
  - Control the tension of V-belt on engine;
  - Find bottom valves;

- Recognize the breakdown of impeller in cooling system and possibly replace it;
  - Check whether alternator is charging batteries when engine is working.
- ⤴ Knows elementary equipment of yacht:
- Boom;
  - Mast (with various methods of sail reefing);
  - Rigging;
  - Haulyards;
  - Echosounder (location, operation, typical errors);
  - Log;
  - Steering system;
  - Keel.

### **Can name the points of sail in relation to wind**

#### **Operating sail sheets and haulyards.**

- ⤴ Can:
- Manage crew to set and bring down the sails;
  - Manage the crew to reef down and shake off the reefs;
  - Adjust sails depending on the point of sails;
  - Make a tack;
  - Make a gybe.

#### **Line and spring handling**

- ⤴ Can combine two lines of the same and different diameter;
- ⤴ Can make:
- Bowline;
  - Fast a line on a cleat;
  - Fishermen's bend;
  - Coil mooring lines;
- ⤴ Can:
- Pass, take, make fast on cleat, let go mooring lines;
  - Throw mooring lines;
  - Describe different ways of taking a mooring.

#### **Handling fenders.**

- ⤴ Can:
- Fix the fenders using adequate knots;
  - Effectively apply the manouvring fender;

#### **Operating the anchor.**

- ⤴ Can:

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

### **Handling the dinghy.**

#### ⤴ Can:

- Inflate dinghy, take it off the deck and put it back on the deck;
- Secure the dinghy to the yachts;
- Paddle;
- Secure the dinghy on the deck of the yacht;
- Install the outboard engine on the yacht (for storage) and on the dinghy (for work);
- Connect the fuel system to the outboard engine;
- Start and switch off the outboard engine.

### **Safety.**

#### ⤴ Can:

- Perform the safety briefing:
  - Under deck:
    - ⤴ Gas system;
    - ⤴ Toilet operation;
    - ⤴ Fire fighting equipment;
    - ⤴ Water supply system;
    - ⤴ Electric system.
  - On deck:
    - ⤴ How to move on deck;
    - ⤴ How to apply personal safety equipment (harness, jackstay, etc.);
    - ⤴ Apply distress signalling equipment (pyrotechnics, flags, etc.);
    - ⤴ Liferaft;
    - ⤴ Different methods to send distress signal;
    - ⤴ Make a distress call with help of VHF;
    - ⤴ Knows procedures to be applied in restricted visibility;
    - ⤴ Basic knowledge about SAR procedures (RIB, helicopter);
    - ⤴ First Aid Kit (location and content).

### **Handling yacht under power.**

#### ⤴ Can:

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

### **Handling yacht under sails.**

- ♣ Can:
  - Heave-to;
  - Approach MOB – as emergency manouver;
  - Approach a bouy/ weigh anchor – as emergency manouver;

### **International Rules for Preventing Collisions at Sea**

- ♣ Knows the navigation shapes and lights:
  - Vessel not under command;
  - Vessel restricted in ability to manouver;
  - Vessel engaged in fishing;
  - Vessel aground;
  - Pitol vessel;
  - Towing set
  - Sailing yacht;
  - Power driven vessel;
- ♣ Knows the vessels' priority at sea;
- ♣ Knows how to proceed in a „close encounter” situation;
- ♣ Is familiar and complies with the requiremet for continues observation;
- ♣ Is familiar with other legal obligations of a skipper and crew;
- ♣ Is familiar with and understands after-collision rules applicable at sea.

### **Navigational Aids**

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

### **Terrestrial navigation**

- ♣ Knows and understands the basic terms from geography:
  - Latitude;
  - Longitude;
  - Magnetic pole;
  - Gegraphic pole;
  - Earth's magnetic field;
- ♣ Knows the basic types of sea charts, their construction and application:
  - Mercator's projection chart (how is it constructed, spreading of parallels, construction parallel)
  - Passage charts, coastal charts, plans;
- ♣ Can read elementary information from a chart that is crucial for safe sailing:

- Depths;
- Distance;
- Navigational obstacles
- Navigational marks;
- ⤴ Can read charts/ plot latitude and longitude;
- ⤴ Knows and understands the phenomenon of Earth's magnetism, variation and deviation;
- ⤴ Can use a compass;
- ⤴ Can calculate, set, read and plot courses on a chart with respect of variation, deviation and leeway;
- ⤴ Can plot yacht's position using bearing lines;
- ⤴ Can plot yacht's position using the maintained course, distance ran and estimated leeway;
- ⤴ Can make use of various bearing lines;
- ⤴ Has general information about tides and tide-related dangers.

### **Electronic-based navigation**

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

### **Meteorology**

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

### **Other**

- ⤴ Environmental friendly approach and respect to other yachtsmen and women;
- ⤴ Knows and applies basic pro-environmental rules;
- ⤴ Knows and applies social friendly approach at sea and in harbour.