

INTERMEDIATE CREW STANDARD (Bareboat Crew – Sail)

OBJECTIVE

To be able to cruise safely in familiar waters as both skipper and crew of a sailing yacht of 9 to 12 meters, sloop rigged with an inboard engine, in moderate wind and sea conditions by day. The standard emphasizes on-the-water skills at a level acceptable for bare boat chartering for extended cruises in coastal waters.

PREREQUISITES

Basic Crew or Basic Cruising Standard;
ROC(M) VHF with DSC endorsement;
Pleasure Craft Operator's Card.

It is recommended that the student have a recognized first aid and CPR certificate and have completed the CYA Coastal Navigation Standard.

Note: To maximize the likelihood of successfully completing the Intermediate Crew Standard, a student should:

- a) Have experience as crew of at least ten day sails (or equivalent),
- b) Have applied the knowledge and practiced the skills in the Basic Crew or Basic Cruising Standard,
- c) Be able to consistently demonstrate the skills learned in the Basic Crew or Basic Cruising Standard.

ASHORE KNOWLEDGE

This section is the same as the Intermediate Cruising Standard sections I through V, Performance Objectives 1-39.

AFLOAT SKILLS

Section VI: Preliminaries

The candidate must be able to:

1. File a sailing plan;
2. Obtain and interpret the Marine forecast;
3. Check stowage and condition of all mandated and recommended equipment aboard the vessel;
4. Perform routine daily and weekly maintenance procedures on engine;
5. With specific reference to the vessels engine;
 - a) Identify and describe the function of the following engine systems:
 - (i) Ignition and Electrical,
 - (ii) Fuel,
 - (iii) Propulsion,
 - (iv) Cooling,
 - (v) Lubrication;
 - b) Describe the basic engine troubleshooting procedures to follow when:
 - (i) The engine cooling water fails to flow,
 - (ii) The engine fails to turn over sufficiently when starting,
 - (iii) The engine overheats;
 - c) Describe the dangers of excessive engine cranking;
6. With specific reference to the candidate's boat, identify and describe the functions of all through-hulls, sea cocks, bilge pumps and related plumbing components;
7. Check out that all systems on boat are in working order: galley, head, electronics, sails, hull, deck hardware etc.

Section VII: Under Way

8. Sail a vessel of the given size as crew:
 - a) On all points of sail, tacking, gybing, and sailing to weather efficiently,
 - b) Execute a series of tacks from close hauled to close hauled (six in ten minutes) using appropriate responses,
 - c) Execute a series of gybes while running (six in ten minutes) using appropriate responses,
 - d) Using the appropriate commands for all turns and changes of tack, assume any point of sail as directed and adjust sails and trim appropriately within a maximum of three minutes,
 - e) Sail a close hauled course (within ± 5 degrees) with sails set, keeping foresail telltales flying efficiently,
 - f) Sail a compass course with sails set properly, with no land references for a minimum of five minutes,
 - g) Demonstrate appropriate use of the mainsail traveler and foresail cars;



9. Reef the main sail while underway in an efficient manner;
10. Apply Rules 1 through 19, 40 and 45 of the *Collision Regulations*;
11. Manoeuvre the boat under power
 - a) In a minimum space;
 - b) Stop the bow of the boat within 4 feet of a fixed marker in various wind and sea conditions;
 - c) Pick up and secure the vessel to a mooring buoy;
12. Assist skipper by handling ground tackle or helming while docking with stern or bow to dock or shore using a bow or stern anchor;
13. Demonstrate the use of a spring line to spring a vessel off of and on to a dock;
14. Prepare a suitable hot meal aboard the vessel while in harbour, demonstrating suitable choice of food and drink and economy of resources;
15. Demonstrate suitable methods and precautions while towing a dinghy;
16. Demonstrate in response to the skipper's actions/commands, while under sail, the Triangle method and one alternative method (i.e. Quick Stop, Fast Return, life sling, etc.) of returning to a crew overboard in daytime in moderate winds safely and efficiently within three minutes using appropriate communications.

Section VIII: Navigation

17. Read a chart and identify corresponding landmarks and aids to navigation;
18. Demonstrate how to take soundings using electronic and manual methods;
19. Determine the depth above or below chart datum and apply;
20. Lay off a course and determine compass heading and Estimated Time of Arrival (ETA) (assuming no current or leeway);
21. Plot and determine your position using deduced reckoning (DR) methodology;
22. Plot a fix using bearings taken on objects visible at the same time;
23. Assist in the piloting of a vessel into an unfamiliar harbour or anchorage by day using charts and publications and application of passage planning techniques.

Section IX: Seamanship

24. Throw a heaving line to a target a distance of ten meters away, coming within two meters in three times out of five attempts;
25. Demonstrate use of the VHF marine radio, including specific operation aboard the candidate's vessel;
26. Tie a rolling hitch;
27. Act as responsible crew on a live-aboard cruise of at least 48 hours.

ENDORSEMENTS

Flying Sails

1. Pack, set, hoist, fly, gybe and douse a cruising spinnaker;
2. Describe the advantages of, and demonstrate the use of a whisker pole for sailing downwind with genoa.

Marlinspike Seamanship

3. Make an eye splice in laid line;
4. Whip a line.

Resource Material

Sail Canada *Intermediate Cruising Student Notes*