

# Bareboat Chartering Standard 104

## **(Intermediate Coastal Cruising Standards)**

**Prerequisites:** Basic Keelboat Sailing 101 and Basic Coastal Cruising Certification 103.

**General Description:** An advanced cruising Standard for individuals with cruising experience. The individual can act as skipper or crew of a 30 - 50 foot boat sailing by day in coastal waters. The Standard includes knowledge of boat systems and maintenance procedures.

## **SAILING KNOWLEDGE**

**A Certified Sailor has successfully demonstrated his or her ability to:**

### **PLANNING**

#### **1. State and discuss the following:**

- ✓ The fuel tank capacity and powering range of the candidate's boat.
- ✓ Factors which affect the range under power.
- ✓ The boat's water capacity and crew's minimum daily water requirements.
- ✓ The causes, prevention and treatments for sea sickness.
- ✓ The appropriate clothing for sailing comfort and safety.
- ✓ Menu planning and provisioning and suitability to the day's activities.
- ✓ The minimum contents of a first aid kit for a one week cruise.
- ✓ The spare engine parts for a one week cruise.
- ✓ The documents and procedures required to cross international borders and how to determine the above for any cruising location.

### **LIVING AFLOAT**

2. Discuss galley procedures that minimize the danger of fire, scalding or other galley accidents.
3. Use common cooking systems (stoves and fuel).

## **WEATHER**

4. Describe the sea breeze and land breeze effect.
5. Identify conditions which cause fog.

## **SEAMANSHIP**

6. Describe the use of a radar reflector.
7. Describe and discuss what to do when (under power);
  - ✓ The engine cooling water fails to flow
  - ✓ The engine fails in a crowded anchorage where safe sailing is impossible
  - ✓ The engine fails in a busy channel
8. Describe two methods of getting a man overboard back on board.
9. Describe the information required and the procedure for tying a boat to a fixed dock in areas with a large tidal range.
10. State the factors to be considered before allowing anyone to go swimming while at anchor
11. Describe how to secure the boat with an anchor on the bow or stern with the other end made fast to a dock or shore.
12. Describe the use of an anchor to hold boat off a windward dock when abreast of that dock.
13. Describe methods of rafting at anchor and potential dangers.
14. Describe the actions taken to prevent the dinghy from bumping the boat in the night.
15. Describe the proper operating procedures for the marine head and list precautions that prevent malfunction.
16. Describe the following common courtesies and customs of yachtsmen:
  - ✓ Permission to board
  - ✓ Permission to come alongside
  - ✓ Courtesy in crossing adjacent boats when rafted
  - ✓ Right of first boat at an anchorage
  - ✓ Keeping clear of boats racing
  - ✓ Flag etiquette: national flag, courtesy flag, burgee / house flag
  - ✓ Offering assistance to other yachtsmen in trouble

## **SAILING SKILLS**

### **A Certified Sailor has successfully demonstrated his or her ability to:**

17. Perform routine daily and weekly maintenance procedures on an engine.
18. Locate and check condition of all USCG required equipment aboard.
19. Maneuver the boat under power in a confined space.
20. Stop the bow of the boat within four feet of a fixed marker in various conditions while under power (pick up a mooring buoy).
21. Dock stern or bow to dock or shore using bow or stern anchor.
22. Apply 72 COLREGS (Navigation Rules), rules 1 - 19.
23. Demonstrate basic use of the VHF.
24. Check that all systems and equipment on the boat are in working order: engine, electrical system, stove, electronics, sails, hull, deck hardware, ground tackle, and through-hulls and demonstrate knowledge of safety relating to them.
25. Demonstrate the proper operation of a marine stove and the proper way to extinguish a fire.
26. Demonstrate suitable methods and precautions while towing a dinghy.
27. Sail a compass course with sails set properly while reaching and running.
28. Demonstrate two different ways of returning to a man overboard in moderate winds.
29. Plot a course and determine compass heading and E.T.A.
30. Read a nautical chart and identify corresponding landmarks and aids to navigation.
31. Take a fix using visual bearings.
32. Determine the depth above or below chart datum using tide tables.
33. Pilot a boat into an unfamiliar harbor or anchorage by day using a nautical chart and tidal information.
34. Obtain and interpret the marine forecast.
35. Set and retrieve two anchors set in a Bahamian mooring (for and aft).
36. Has acted as skipper and crew on a live-aboard cruise of at least 48 hours.

## **KNOTS**

37. Tie a rolling hitch and a trucker's hitch within 20 seconds.

**The course outline is provided by the American Sailing Association as a guideline for content and subject matter. Actual course syllabus taught by the instructor may not follow the preceding plan as presented.**