



# Bluewater Sailing

Est. 1978, 25<sup>th</sup> Anniversary !!  
A Division of Compass Rose, Inc.  
**SAFETY! FUN!! LEARN!!!™**

Sailing, Power & Navigation  
Instruction  
Yacht Management and Delivery  
Boat Rentals & Yacht Charters  
Group / Private Lessons

Our Professional Instructors Average More than 20 Years Experience On The Water  
American Sailing Association & International Yachtmaster Training Certification Facility

## COASTAL NAVIGATION STANDARDS

**Prerequisites:** None.

**General Description:** Able to demonstrate the navigational theory required to safely navigate a sailing vessel in coastal or inland waters. There is no Sailing Skills part of this Standard and practical application of this Sailing Knowledge is found in the Advanced Coastal Cruising Standard.

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

1. Explain the chart symbols and conventions on U.S. nautical charts in accordance with the terminology of chart #1.

2. Identify a source of official U.S. Guard navigation publications.

3. List the publications required for prudent navigation in the local area including the following ASA minimum requirements:

- Large scale charts of the area and Chart #1
- Federal Requirements for Recreational Boats
- USCG Navigation Rules
- State small vessel regulations
- Local rules and regulations, if applicable
- Local sailing directions
- Tide and current tables, if applicable
- List of lights, buoys, and fog signals
- Radio aids to navigation (if using radio or RDF)

4. List the instruments required for prudent navigation in the local area, including the following minimum requirements:

- Steering compass and deviation table
- Hand bearing compass and/or pylonus
- Binoculars
- Depth sounder or lead line
- Dividers
- Pencil, eraser, and notebook
- Protractor or parallel rule
- Watch or clock
- Log/Knotmeter

5. Describe the purpose of “Notice to Mariners.”

6. Use the tide and current tables to find:

- Times and heights of tides at reference and secondary ports
- Direction and rate of current at reference and secondary stations

7. Convert courses and bearings between true, magnetic and compass.

8. Check compass deviation by means such as a transit bearing.
9. Plot a dead reckoning position on a chart using speed, time and course to steer.
10. Allow for the effect of current and leeway to plot the estimated position.
11. Determine a course to steer that takes into account known current and leeway.
12. Determine current given the course steered and speed and two observed positions.
13. Plot a chart position from terrestrial objects using:
  - Two or more bearings on different objects taken at one time
  - One bearing and a transit range
  - One distance (i.e. a sounding or dipping a light) and one bearing
  - Bearings at different times (i.e. a running fix)
14. Use the above techniques to chart a course of at least 20 miles and 3 course changes.
15. Explain the terms and characteristics used for lighted navigation aids.
16. Explain the significance of shapes, colors and lights used in the buoyage system.