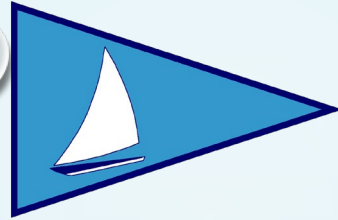


BBSA 2021 TRAINING

SAFETY EQUIPMENT REQUIREMENTS (SERS)



2021 BBSA Training Overview

03 February 2021 (7:00 – 8:30 pm)

- Safety Equipment Requirements (Racing) – Larry Baun
- Racing for Beginners – Al Brazzi
- PHRF vs VPP/ORR rating – Randy Goodman

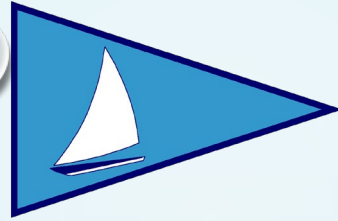
10 February 2021 (6:30 – 7:30 pm)

- Exploring the BBSA Website – Eric Brinsfield

TBD February/March 2021

- Racing Tactics





2021 BBSA Training Overview (continued)

TBD March 2021

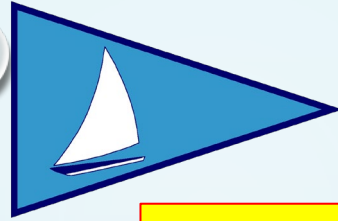
- Racing Rules for Sailing (RRS) (2021-2024) -refresher
- Review of LCSA & WR SIs
- Race Committee Refresher

Saturday, March 27, 2021

- Murphy's Rules of Racing Seminar (Hampton Yacht Club) – details pending

Other topics/sessions?

- Recommendations & “subject matter expert” volunteers wanted



POP QUIZ

(MULTIPLE GUESS)



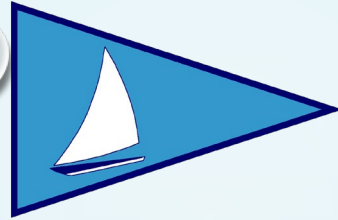
Look Closely

Question:

what is going on here with these “un-named” IRWIN 38’s ? ?

- a) A new BBSA racing strategy to increase boat speed by reducing top-side weight
- b) A *sinister* attempt by un-named local IRWIN 38’s to get an EVEN BETTER %&!@# PHRF Rating
- c) Slouching off on winter boom maintenance





U.S. SAILING SAFETY EQUIPMENT REQUIREMENTS (SER)

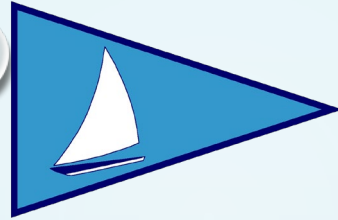
“The US Sailing Safety Equipment Requirements (SER) were initially compiled, with input from the US sailing community, to provide race Organizing Authorities (OAs) an option to clearly specify safety equipment requirements and to provide the ability to modify those requirements for their particular event and venue”

Reference: U.S. Sailing Monohull SER Instructions, Categories, Appendix, & History of Revisions 2020.0

Categories: (progressively increased safety requirements)

- **Ocean:** Long distance races, well offshore, where rescue may be delayed
- **Coastal:** Races not far removed from shorelines, where rescue is likely to be quickly available
- **Nearshore:** Races primarily sailed during the day, close to shore, in relatively protected waters

Local OAs may “pick” from Categories to suit event/venue – as identified in race Sailing Instructions (SI)



U.S. SAILING SAFETY EQUIPMENT REQUIREMENTS (SER)

4 Major sections of the SER:

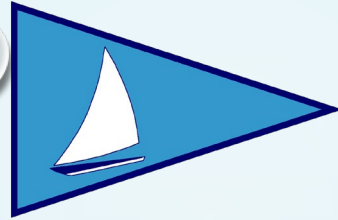
Section 1 (1.0.1 thru 1.8) – Overall (12 items) – Definitions, Responsibility, Inspections, Equipment & Knowledge, Secure Storage, Strength of Build, Watertight Integrity, Scantlings

1.2 – “The safety of a boat and her crew is the sole and inescapable responsibility of the “person in charge”, as per RRS 46, who shall ensure that the boat is seaworthy and manned by an experienced crew with sufficient ability and experience to face bad weather....

1.2.1 – “Should there be an incident during a race, the Organizing Authority or US Sailing may conduct an investigation..”.

1.3 – “A boat may be inspected at any time by an equipment inspector or measurer appointed by the event....”

NOTE: my emphasis applied



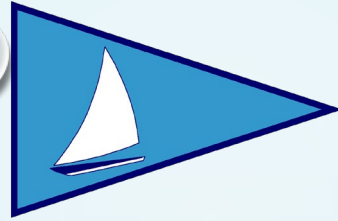
U.S. SAILING SAFETY EQUIPMENT REQUIREMENTS (SER)

4 Major sections of the SER (cont.):

Section 2 (2.1.1 thru 2.73) – Hull & Structure (32 items)– Hull openings, cockpit, through hulls, stability, accommodations, lifelines, dewatering pumps, mast & rigging, mechanical propulsion

Section 3 (3.1.1 thru 3.40) – Safety Equipment (61 items)– personal, deck safety, navigation lights, fire extinguishers, sound producing equipment, visual distress signals, man overboard, emergency communications, navigation, damage control, gear (anchoring/lights/medical/emergency steering/spare parts), sails, rigging, supplies

Section 4 (4.1.1 thru 4.6) – Skills (7 items)– emergency steering, man overboard, safety at sea training, crew training

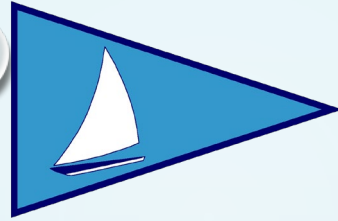


U.S. SAILING SAFETY EQUIPMENT REQUIREMENTS (SER)

SER are designated by the race Organizing Authority (OA) (i.e. BBSA, Hampton Yacht Club, Old Point Comfort Yacht Club, etc.) within the race Sailing Instructions (SI)

In addition to selecting applicable “category” of race SERs (Ocean, Coastal, Nearshore), OAs may, at their discretion, add or subtract items from a category based on unique characteristics of each race they are running

Most (all ?) BBSA & Chesapeake Bay races are “Nearshore” category, modified dependent on the race location, time (day/night), distance, etc.



Significant SER: & sample **Southern Bay Races** with increased requirements (Coastal/Ocean) applied:

1.6 Strength of Build (...capable of withstanding solid water and knockdowns...)

- **LWMCCC, Neptune Regatta**

2.1.4 Hull & Structure: Cockpit (...capable of draining 6" of water in 5 minutes...)

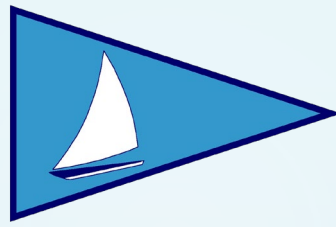
- **LWMCCC, Neptune Regatta**

2.4.4 Hull & Structure: Lifelines (...shall be uncoated stainless steel wire...) – Ocean & Coastal requirement – **NOT** Nearshore (higher requirements not invoked in Southern Bay races, BUT...)

Recommend when replace coated lifelines – replace with uncoated

2.4.6/ 2.4.7 Hull & Structure: Lifelines (...boats under 30' – min. 1 lifeline @ 18" //boats over 30', minimum 2 lifelines with 24" min height, 15" max gap...diameters also specified...)

- **LCSA, Bold Mariner Cup, WR, LWMCCC, Neptune Regatta**



Significant SER: & sample **Southern Bay Races** with increased requirements (Coastal/Ocean) applied: (cont.)

2.5.1 Hull & Structure: Dewatering Pumps (permanently installed manual bilge pump, 10 GPM +, operable from deck with cabin closed, pump handle attached...pump discharge NOT connected to cockpit drain....)

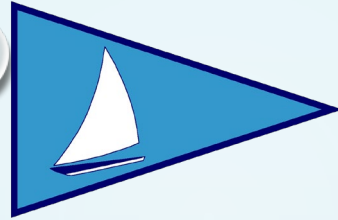
- **Bold Mariner, LCSA, WR, LWMCCC, Plantation Light, Down the Bay, Neptune Regatta**

2.7.2 Hull & Structure: Mechanical Propulsion (...capable of driving boat at a minimum speed ...v(LWL) (feet) for 4 hours..)

- **Bold Mariner, LCSA, WR, LWMCCC, Plantation Light, Down the Bay, Neptune Regatta**

3.1.1 Safety Equipment: Personal ...lifejackets at least 33.7lbs buoyancy...or inherently buoyant offshore life jacket ..22lbs buoyancy...VICE .."3.1.3 ...a life jacket intended for small boat sailing or other active boating...)

- **LCSA, Plantation Light, Down the Bay**



Significant SER: & sample **Southern Bay Races** with increased requirements (Coastal/Ocean) applied: (cont.)

3.1.4/3.2.1/3.2.2 Safety Equipment: Personal/Deck Safety(..safety harness/tether...jacklines, clipping points.)

- **Plantation Light (safety harnesses), Down the Bay (harnesses & jacklines/clipping points)**

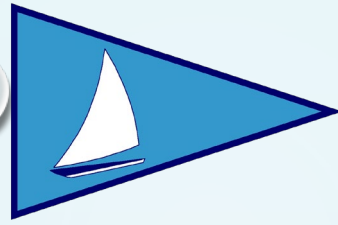
3.7.1 Safety Equipment: Man Overboard ('Lifesling' or equivalent w/ self-igniting light..)

- **Plantation Light, Down the Bay**

3.7.3 Safety Equipment: Man Overboard (..sock type heaving line of 50' + floating polypropylene line...**VICE** 3.7.1/3.7.2 'Lifesling' with self-igniting light, man overboard pole w/ flag, lifebuoy, light, whistle, drogue OR man overboard module – Coastal/Ocean)

3.8.3 Safety Equipment: Emergency Communications (...a VHF radio....fixed or handheld

VICE Coastal/Ocean requirements including AIS (2024 Coastal/Ocean requirement)



Significant SER: & sample **Southern Bay Races** with increased requirements (Coastal/Ocean) applied: (cont.)

3.14/3.15 Safety Equipment: Emergency Communications (...GPS receiver...electronicv means to record position of man overboard within 10 seconds...may be GPS..)

- **Plantation Light, Down the Bay, LWMCCC, Neptune Regatta**

3.22 Safety Equipment: Damage Control (..soft plugs...attached/stowed adjacent to every thru-hull opening..)

- **Down the Bay**

3.24.1 Gear: Lights(..watertight, high-powered searchlight....)

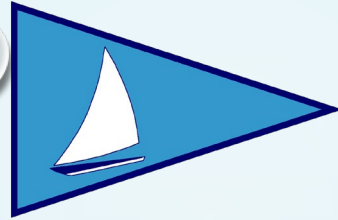
- **Plantation Light , Down the Bay**

3.26 Gear: Radar Reflectors

- **Plantation Light, Down the Bay**

3.29.2 Gear: Emergency Steering(...emergency tiller..)

- **LWMCCC, Neptune Regatta**



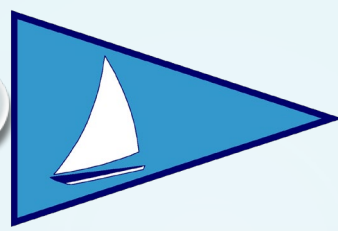
Significant SER: & sample **Southern Bay Races** with increased requirements (Coastal/Ocean) applied: (cont.)

3.35 Rigging: Halyards (..no halyards requiring person to go aloft in order to lower a sail..)

- **LWMCCC, Neptune Regatta**

3.36 Rigging: Boom Support (..means to prevent boom from dropping if support from mainsail or halyard fails..)

- **LWMCCC, Down the Bay, Neptune Regatta**



Significant SER: & sample **Southern Bay Races** with increased requirements (Coastal/Ocean) applied: (cont.)

4.1.1/4.1.2 Skills: Emergency Steering - Ocean/Coastal

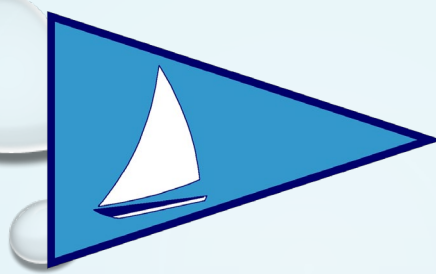
4.2 Skills: Man Overboard (...annually 2/3 of crew ...practice man-overboard procedures.....)
- **Ocean/Coastal/Nearshore**

4.3.1: Skills: Safety at Sea (..1 day or 2 day US Sailing Safety at Sea Seminar) – **Ocean**
- (5 year certificate)

4.3.2 Skills: Safety at Sea(...30% of crew have attended half-day, 1 day or 2 day US Sailing Safety at Sea seminar....) – **Coastal** – (5 year certificate)

4.4 Skills: Crew Training(..all crew know where all emergency equipment is located/how to operate. Discuss how to handle various emergency situations....) – **Ocean/Coastal/Nearshore**

4.6 Skills: Crew Training (..lifejackets ..worn by all crew members on deck in any conditions where recovery may be difficult....unless the person in charge has indicated that they may be set aside. – **Ocean/Coastal/Nearshore**



Questions ?

