Safety Equipment Requirements

Note: Organizing Authorities may add or delete items based on the conditions of their specific races.

Effective Date: January 1, 2018, revision 2018.0

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Section Name	#	Requirement	Ocean	Coastal	Nearshore
		Ocean: Long distance races, well offshore, where rescue may be			
Definition	1.0.1	delayed	Х		
Definition	1 0 2	Coastal: Races not far removed from shorelines, where rescue is			
Definition	1.0.2	likely to be quickly available Nearshore: Races primarily sailed during the day, close to shore, in		Х	
Definition	1.0.3	relatively protected waters.			х
Definition	1.0.5	relatively protected waters.			^
		The Safety Equipment Requirements establish uniform minimum			
		equipment and training standards for a variety of boats racing in			
		differing conditions. These regulations do not replace, but rather			
		supplement, the requirements of applicable local or national			
		authority for boating, the Racing Rules of Sailing, the rules of Class			
Overall	1.1	Associations and any applicable rating rules.	х	х	Х
		The cafety of a heat and her grow is the cole and increanable			
		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. S/he			
		shall be satisfied as to the soundness of hull, spars, rigging, sails and			
		all gear. S/he shall ensure that all safety equipment is at all times			
Overall:		properly maintained and safely stowed and that the crew knows			
Responsibility	1.2	where it is kept and how it is to be used.	x	х	х
пезропзынгу	1.2	where it is kept and now it is to be asea.	^		^
		A boat may be inspected at any time by an equipment inspector or			
		measurer appointed for the event. If she does not comply with			
		these regulations, her entry may be rejected or she will be subject to			
Overall:		a protest filed by the RC. A Violation of the Safety Equipment			
Inspections	1.3	Requirements may result in a penalty other than disqualification.	х	х	х
		All and the second and the helpful for all the second all the second at			
		All equipment required shall function properly, be regularly			
		checked, cleaned and serviced, and be of a type, size and capacity			
Overalle		suitable for the intended use and size of the boat and the size of the			
Overall:		crew. This equipment shall be readily accessible while underway and, when not in use, stored in such a way that deterioration is			
Equipment and Knowledge	1.4	minimized.	v	x	v
Kilowieuge	1.4	minimizeu.	Х	^	Х
Overall: Secure		A boat's heavy items such as batteries, stoves, toolboxes, anchors,			
Storage	1.5	chain and internal ballast shall be secured.	x	х	х
		A boat shall be strongly built, watertight and, particularly with			
		regard to hulls, decks and cabin trunks, capable of withstanding			
		solid water and knockdowns. A boat shall be properly rigged and			
		ballasted, be fully seaworthy and shall meet the standards set forth			
Overall: Strength	l	herein. A boat's shrouds and at least one forestay shall remain			
of Build	1.6	attached at all times.	Х	Х	
0		A boat's hull, including, deck, coach roof, windows, hatches and all			
Overall:		other parts, shall form an integral watertight unit, and any openings			
Watertight	1 -	in it shall be capable of being immediately secured to maintain this			
Integrity	1.7	integrity.	Х	Х	Х
Overally Committee	1.0	Hull Construction Standards - Scantlings with plan review approval -			
Overall: Scantlings	11.0	(See Appendix)	Х		ı I

Section Name	#	Requirement	Ocean	Coastal	Nearshore
Hull and		A boat's companionway(s) shall be capable of being blocked off to			
Structure: Hull		main deck level (sheerline). The method of blocking should be solid,			
Openings	2.1.1	watertight, and rigidly secured, if not permanent.	х	х	
Hull and					
Structure: Hull		A boat's hatch boards, whether or not in position in the hatchway,			
Openings	2.1.2	shall be secured in a way that prevents their being lost overboard.	Х	Х	
		A boat's entire cockpit shall be solid, watertight, strongly fastened			
Hull and		and/or sealed. Weather-tight seat hatches are acceptable only if			
Structure: Cockpit	2.1.3	capable of being secured when closed.	х	х	
·		A boat's cockpit drains shall be capable of draining six inches of			
		water in 5 minutes. One square inch (645mm2) of effective drain per			
Hull and		eight square feet (0.743m2) of cockpit sole will meet this			
Structure: Cockpit	2.1.4	requirement.	Х	Х	
		A la cable conscience of contract to the contract of the contr			
		A boat's maximum cockpit volume for cockpits not open to the sea, including any compartments capable of flooding, to lowest points of			
		coaming over which water can adequately escape, shall not exceed			
Hull and		0.06 x LOA x Max. Beam x Freeboard aft. The cockpit sole shall be at			
Structure: Cockpit	2.1.5.1	least 0.02 x LOA above LWL.	x		
Structure: Cockpit	2.1.5.1	icast olde X Edit above Evel.			
		A boat's maximum cockpit volume for cockpits not open to the sea,			
		including any compartments capable of flooding, to lowest points of			
		coaming over which water can adequately escape, shall not exceed			
		0.08 x LOA x Max. Beam x Freeboard aft. The cockpit sole shall be at			
	2.1.5.2	least 0.02 x LOA above LWL.		Х	
		A boat's through-hull openings below the waterline shall be			
Hull and		equipped with sea cocks or valves, except for integral deck scuppers,			
Structure:		speed transducers, depth finder transducers and the like; however a			
Through Hulls	2.1.6	means of closing such openings shall be provided.	x	х	
		The state of the s			
Hull and		The boat must have a stability index greater than or equal to 115, or			
Structure: Stability	2.2.1	meet the requirements of ISO 12217-2A	Х		
Livill and		The best worth being a stability index constant being an appellate 103 and			
Hull and Structure: Stability	2 2 2	The boat must have a stability index greater than or equal to 103 or		v	
Structure. Stability	2.2.2	meet the requirements of ISO 12217-2B.		Х	
Hull and		A boat with moveable or variable ballast (water or canting keel) shall			
Structure: Stability	2.2.3	comply with the requirements of Appendix K.	x	х	х
,					
Hull and					
Structure:					
Accommodations	2.3.1	A boat shall be equipped with a head or a fitted bucket.	х		
Hull and					
Hull and Structure:		A boat shall have bunks sufficient to accommodate the off watch			
	2.3.2	crew.	v		
Accommodations	2.3.4	Cicw.	Х		
Hull and					
Structure:					
Accommodations	2.3.3	A boat shall have a stove with a fuel shutoff.	х		
Hull and		Vessels shall carry water as required by the Notice of Race such that			
Structure:]	a single failure of a tank or delivery system will not allow the loss of			
Accommodations	Z.3.4	more than half the water.	Х		

Section Name	#	Requirement	Ocean	Coastal	Nearshore
Hull and					
Structure:					
Accommodations	2.3.5	A boat shall have adequate hand holds below decks.	x		
Accommodations	2.3.3	A boat shall have adequate halld holds below decks.	^		
Hull and		A boat's deck including the headstay shall be surrounded by a			
Structure:		suitably strong enclosure, typically consisting of lifelines and pulpits,			
Lifelines	2.4.1	meeting the requirements in 2.4.2 to 2.4.8.	x	х	
Hull and		meeting the requirements in 21 ii2 to 21 iie.			
Structure:					
Lifelines	2.4.2	A boat's stanchion and pulpit bases shall be within the working deck.	х	х	
Hull and		Bow pulpits may be open, but the opening between the vertical			
Structure:		portion of stanchion pulpit and any part of the boat shall not exceed			
Lifelines	2.4.3	14.2" (360mm).	х	х	
Hull and		Lifelines shall be-uncoated stainless steel wire. A multipart-lashing			
Structure:		segment not to exceed 4" per end termination for the purpose of			
Lifelines	2.4.4	attaching lifelines to pulpits is allowed. Lifelines shall be taut.	x	х	
		6			
		Lifeling deflection shall not average the followings of Mileson			
		Lifeline deflection shall not exceed the following: a) When a			
		deflecting force of 9 lbs (40N) is applied to a lifeline midway			
		between supports of an upper or single lifeline, the lifeline shall not			
		deflect more than 2" (50mm). This measurement shall be taken at			
		the widest span between supports that are aft of the mast. b) When			
		a deflecting force of 9 lbs (40N) is applied midway between supports			
Hull and		of an intermediate lifeline of all spans that are aft of the mast,			
Structure:		deflection shall not exceed 5" (120mm) from a straight line between			
Lifelines	2.4.4.1	the stanchions.	Х	Х	
Hull and					
Structure:		The maximum spacing between lifeline supports (e.g. stanchions			
Lifelines	2.4.5	and pulpits) shall be 87" (2.2m).	Х	Х	
		Boats under 30' (9.14m) shall have at least one lifeline with 18"			
Hull and		(457mm) minimum height above deck, and a maximum vertical gap			
Structure:		of 18" (457mm). Taller heights will require a second lifeline. The			
Lifelines	2.4.6	minimum diameter shall be 1/8" (3mm).	Х	Х	
		Boats 30' and over (9.14m) shall have at least two lifelines with 24"			
Hull and		(762mm) minimum height above deck, and a maximum vertical gap			
Structure:		of 15" (381mm). The minimum diameter will be 5/32" (4mm) for			
Lifelines	2.4.7	boats to 43' (13.1m) and 3/16" (5mm) for boats over 43' (13.1m).	Х	Х	
		Toe rails shall be fitted around the foredeck from the base of the			
		mast with a minimum height of 3/4" (18mm) for boats under 30'			
Hull and		(9.14m) and 1" (25mm) for boats over 30'. An additional installed			
Structure:		lifeline that is 1-2" (25-51mm) above the deck will satisfy this			
Lifelines	2.4.8	requirement for boats without toerails.	х	х	
		Trimarans are exempted from the lifeline requirement where there			
		is a trampoline outboard of the main hull, except that a lifeline must			
		run from the top of a bow pulpit to the forward crossbeam at the			
		outboard edge of the bow net or foredeck. Catamarans with			
Hull and		trampoline nets between the hulls are exempted from the lifeline			
Structure:		requirement. All catamarans are exempted from the need for			
Lifelines	2.4.9	pulpits and lifelines across the bow.	х	Х	

Section Name	#	Requirement	Ocean	Coastal	Nearshore
		A boat shall have a permanently installed manual bilge pump of at			
		least a 10 GPM (37.8 liter per minute) capacity and which is			
		operable from on deck with the cabin closed with the discharge not			
		dependent on an open hatch. Unless permanently attached to the			
Hull and		pump, the bilge pump handle shall be securely attached to the boat			
Structure:		in its vicinity via a lanyard or catch. A bilge pump discharge shall not			
Dewatering		be connected to a cockpit drain. The bilge pump shall not discharge			
pumps	2.5.1	into a cockpit unless that cockpit opens aft to the sea.	х	х	
Hull and		·			
Structure:		A boat shall have a second permanently installed manual bilge pump			
Dewatering		of at least 10 GPM (37.8 liter per minute) capacity, operable from			
pumps	2.5.2	below deck, meeting the same criteria as above.	х		
Hull and					
Structurea:					
Dewatering		A boat shall have a manual bilge pump of at least a 10 GPM (37.8			
pumps	2.5.3	liter per minute) capacity.			х
Hull and					
Structure: Mast		A boat shall have the heel of a keel-stepped mast securely fastened			
and Rigging	2.6	to the mast step or adjoining structure.	Х		
Hull and		A boat shall have a mechanical propulsion system that is quickly			
Structure:		available and capable of driving the boat at a minimum speed in			
Mechanical		knots equivalent to the square root of LWL in feet (1.81 times the			
Propulsion	2.7.1	square root of the waterline in meters) for 10 hours.	Х		
Hull and		A boat shall have a mechanical propulsion system that is quickly			
Structure:		available and capable of driving the boat at a minimum speed in			
Mechanical		knots equivalent to the square root of LWL in feet (1.8 times the			
Propulsion	2.7.2	square root of the waterline in meters) for 4 hours.		Х	
Hull and					
Structure:					
Mechanical		The boat's engine and generator installation (if so equipped) must			
Propulsion	2.7.3	conform to ABYC, ISO, or U.S. Coast Guard standards.	Х	Х	
		Each crewmember shall have a life jacket that provides at least			
		33.7lbs (150N) of buoyancy, intended to be worn over the shoulders			
		(no belt pack), meeting either U.S. Coast Guard or ISO specifications.			
		Alternatively, each crewmember shall have an inherently buoyant			
Safety Equipment:		off-shore life jacket that provides at least 22lbs (100N) of buoyancy			
Personal	3.1.1	meeting either U.S. Coast Guard or ISO specifications.	x	х	
Cisonal	3.1.1	incesting citates 0.5. court cutara or 150 specimentarions.			
		Life jackets shall be equipped with crotch or leg straps, a whistle, a			
		waterproof light, be fitted with marine-grade retro-reflective			
		material, and be clearly marked with the boat's or wearer's name,			
Safety Equipment:		and be compatible with the wearer's safety harness. If the life jacket			
Personal	3.1.2	is inflatable, it shall be regularly checked for air retention. Each crewmember shall have a life jacket intended for small boat	х	х	
		sailing or other active boating. Each such life jacket shall be USCG,			
Safety Equipment:		ISO, or applicable government approved or shall meet the ocean			
Personal	3.1.3	requirement of 3.1.1.			х
		Each crewmember shall have a safety harness and compatible safety			
		tether not more than 6'7" (2m) long with a minimum tensile			
		strength of 4500 lb. (20kN). The tether shall have a snap hook at its			
	ĺ	far end and a means to quickly disconnect the tether at the chest		I	
Safety Equipment:		frai end and a means to quickly disconnect the tether at the chest			

Section Name	#	Requirement	Ocean	Coastal	Nearshore
		A boat shall carry jacklines with a breaking strength of at least 4500			
		lb. (20kN) which allow the crew to reach all points on deck,			
Safety Equipment:		connected to similarly strong attachment points, in place while			
Deck Safety	3.2.1	racing.	Х	Х	
Safety Equipment:		A boat shall have adequate clipping points or jacklines that allow the			
Deck Safety	3.2.2	crew to clip on before coming on deck and unclip after going below.	x		
Safety Equipment:		Multihulls must have jacklines or attachment points that are			
Deck Safety	3.2.3	accessible when the vessel is inverted.	Х	Х	
		A boat racing between sunset and sunrise shall carry navigation			
		lights that meet U. S. Coast Guard or applicable government			
Safety Equipment:		requirements mounted so that they will not be obscured by the sails			
Navigation Lights	3.3.1	nor be located below deck level.	x	х	х
<u> </u>		A boat shall have a second set of navigation lights that comply with			
		US Coast Guard or applicable government requirements and which			
Safety Equipment:		can be connected to a different power source than the primary			
Navigation Lights	3.3.2	lights.	Х		
Safety Equipment:		A boat shall carry fire extinguisher(s) that meets U.S. Coast Guard or			
Fire Extinguishers	3.4	applicable government requirements, when applicable.	х	х	x
THE Extiliguishers	3.4	аррисаме government requirements, when applicame.	^	^	^
Safety Equipment:					
Sound Producing		A boat shall carry-sound-making devices that meets U.S. Coast			
Equipment	3.5	Guard or applicable government requirements, when applicable.	Х	х	Х
Safety Equipment:					
Visual Distress		A boat shall carry two SOLAS orange smoke flares not older than the			
Signals	3.6.1	expiration date.	x		
- 0					
Safety Equipment:					
Visual Distress		A boat shall carry one SOLAS orange smoke flares not older than the			
Signals	3.6.2	expiration date.		Х	
Safety Equipment:					
Visual Distress		A boat shall carry four SOLAS red hand flares not older than the			
Signals	3.6.5	expiration date.	x		
-					
Safety Equipment:					
Visual Distress		A boat shall carry three SOLAS red hand flares not older than the			
Signals	3.6.6	expiration date.		х	
Safety Equipment:		A boat shall carry U.S. Coast Guard (or applicable government			
Visual Distress		entity) flares meeting day-night requirements not older than the			
Signals	3.6.4	expiration date.			х
5. ₀ .1013	3.0.4	S.p. acion duce.			^
Safety Equipment:					
Visual Distress		Boat flares stored inside of life rafts may not be used to satisfy the			
Signals	3.6.5	flare requirement.	x	х	
		A boat shall carry a Lifesling or equivalent man overboard rescue			
Safety Equipment:		device equipped with a self igniting light stored on deck and ready			
Man Overboard	3.7.1	for immediate use.	Х	Х	

Section Name	#	Requirement	Ocean	Coastal	Nearshore
		A boat shall have a man overboard pole and flag, with a lifebuoy, a			
		self-igniting light, a whistle, and a drogue attached. A self-inflating			
		Man Overboard Module, Dan Buoy or similar device will satisfy this			
		requirement. Self-inflating apparatus shall be tested and serviced in			
		accordance with the manufacturer's specifications. These items shall			
Safety Equipment:		be stored on deck, ready for immediate use, and affixed in a manner			
Man Overboard	3.7.2	that allows for a "quick release".	Х	Х	
		A boat shall have a throwing sock-type heaving line of 50' (15m) or			
Safety Equipment:		greater of floating polypropylene line readily accessible to the			
Man Overboard	3.7.3	cockpit.	Х	Х	Х
		A boat shall carry a Coast Guard or applicable government approved			
Safety Equipment:		"throwable device". If the device carried under 3.7.1 or 3.7.2			
Man Overboard	3.7.4	satisfies this requirement, then no additional device is needed.	Х	Х	x
		A boat shall have a permanently installed 25-watt VHF radio			
		connected to a masthead antenna by a co-axial feeder cable with no			j ,
		more than a 40% power loss. Such radio shall have DSC capability,			
Safety Equipment:		have an antenna of at least 15" (381mm) in length, be connected to			
Emergency		or have an internal GPS, and have the assigned MMSI number			
Communications	3.8.1	(unique to the boat) programed into the VHF.	x	х	
Safety Equipment:		A boat shall have a watertight handheld VHF radio or a handheld			
Emergency		VHF radio with waterproof cover. This radio shall have DSC/GPS			
Communications	3.8.2	capability with an MMSI number properly registered to the vessel.	х	х	
		,			
Safety Equipment:					
Emergency					
Communications	3.8.3	A boat shall have a VHF radio which may be fixed or handheld.			x
Safety Equipment:		A boat shall have an emergency VHF antenna with sufficient coax to			
Emergency		reach the deck, and have a minimum antenna length of 15"			
Communications	3.8.4	(381mm).	Х		
		All boats shall have an AIS Transponder, sharing a masthead VHF			
		antenna via a low loss AIS antenna splitter. An acceptable			
Safety Equipment:		alternative is a dedicated AIS antenna that is a minimum of 0.9			
Emergency		meters long, mounted with its base at least 3 meters above the			
Communications	3.9	water, and fed with coax that has a maximum 40% power loss.	x		
- Communications	3.3	mater, and rea with court that has a maximum 40/0 power 1033.	^		
Safety Equipment:					
Emergency		A boat shall have a method of receiving weather information in			
Communications	3.13	addition to the fixed mount and hand held VHF radio.	v		
Communications	5.13	addition to the fixed modification fidule field variable.	Х		
Safety Equipment:					
Emergency	2 11	A hoat shall carry a GDS receiver	v	V	
Communications	3.14	A boat shall carry a GPS receiver.	Х	Х	
Safety Equipment:		A boat shall carry an electronic means to record the position of a			
Emergency Communications	3.15	man overboard within ten seconds. This may be the same instrument listed in 3.14.			
		UNIVERSITY MADE USED IN \$ 17	X	X	

Section Name	#	Requirement	Ocean	Coastal	Nearshore
Safety Equipment:					
Emergency		A boat shall carry a 406MHz EPIRB that is properly registered to the			
Communications	3.16.1	boat. This device shall be equipped with an internal GPS.	х		
Communications	3.10.1	A boat shall carry either a 406MHz EPIRB which is properly	Α		
		registered to the boat, or a floating 406MHz Personal Locator			
Safety Equipment:		Beacon, registered to the owner with a notation in the registration			
Emergency		that it is aboard the boat. This device shall be equipped with an			
Communications	3.16.2	internal GPS.		х	
Cafata Faciliana anti		A hand about house a long store at a consideration of the store at a second of the store at a se			
Safety Equipment: Navigation	3.17	A boat shall have a knotmeter and/or distance-measuring instrument.	v		
ivavigation	5.17	instrument.	Х		
Safety Equipment:		A boat shall have a permanently installed depth sounder that can			
Navigation	3.18	measure to depths of at least 200 ft. (61m).	X	х	
		A boat shall have a permanently mounted magnetic compass			
Safety Equipment:		independent of the boat's electrical system suitable for steering at			
Navigation	3.19.1	sea.	Х	х	х
Safety Equipment:	2 10 2	A boat shall have a second magnetic compass suitable for steering at			
Navigation	3.19.2	sea which may be handheld.	Х		
Safety Equipment:		A boat shall have non-electronic charts that are appropriate for the			
Navigation	3.20	race area.	x	х	
. ta i . ga ti o ii	0.20	rade areas			
		A boat shall have the ability to display sail numbers and letters of			
Safety Equipment:		the size carried on the mainsail by an alternative means when none			
Damage Control	3.21	of the numbered sails is set.	Х		
		A boat shall carry soft plugs of an appropriate material, tapered and			
Safety Equipment:		of the appropriate size, attached or stowed adjacent to every			
Damage Control	3.22	through-hull opening.	X	Х	
		A boat shall carry one anchor, meeting the anchor manufacturer's			
C A	2.22	recommendations based on the yacht's size, with a suitable			
Gear: Anchoring	3.23	combination of chain and line. A boat shall carry a watertight, high-powered searchlight, suitable	Х	Х	Х
		for searching for a person overboard at night or for collision			
Gear: Lights	3.24.1	avoidance.	x	х	
Cear. Ligites	J.L 1.1	avoidance.	Α		
		A boat shall carry a watertight flashlight for each crewmember with			
Gear: Lights	3.24.2	spare batteries in addition to the above.	X		
		A boat shall carry at least two watertight flashlights with spare			
Gear: Lights	3.24.3	batteries in addition to the requirement of 3.24.1.		Х	x
		A hoat shall carry a first aid kit and first aid manual suitable for the			
Gear: Medical Kits	2 25	A boat shall carry a first aid kit and first aid manual suitable for the likely conditions of the passage and the number of crew aboard.	v		v
Gear. Medical Kits	رے.دے	incry conditions of the passage and the number of trew about a.	х	Х	Х
Gear: Radar		A boat shall carry an 11.5" (292mm) diameter or greater octahedral			
Reflectors	3.26	radar reflector or one of equivalent performance.	X	х	
		A boat shall carry two sturdy buckets of at least two gallons (8 liters)			
	3.27.1	capacity with lanyards attached.	x	х	
		A boat shall carry one sturdy bucket of at least two gallons (8 liters)			
	3.27.2	capacity with lanyards attached.			х
		A book shall most a dissable sustained of the control of the contr			
Coom Cof-+		A boat shall post a durable, waterproof diagram or chart locating the			
Gear: Safety	2 20	principal items of safety equipment and through hulls in the main	v		
Diagram	3.28	accommodation area where it can be easily seen.	Х	I	l l

Section Name	#	Requirement	Ocean	Coastal	Nearshore
Gear: Emergency Steering	3.29.1	A boat shall have an emergency tiller, capable of being fitted to the rudder stock.	x		
Gear: Emergency Steering	3.29.2	Wheel steered boats shall have an emergency tiller, capable of being fitted to the rudder stock.		x	
Gear: Spare Parts	3.30	A boat shall carry tools and spare parts, including an effective means to quickly disconnect or sever the standing rigging from the hull.	x		
Gear: Identification	3.31	All lifesaving equipment shall bear retro-reflective material and be marked with the yacht's or wearer's name. The exception would be for new equipment or rented equipment (e.g. life rafts) that would require the unpacking of sealed equipment in order to meet this requirement. The boat name shall be added during the first servicing of any new equipment.	x	x	
Gear: Cockpit	2 22	A boat shall carry a strong, sharp knife, sheathed and securely			
Knife Sails: Mainsail	3.32	restrained which is readily accessible from the deck and/or cockpit. A boat shall have a mainsail reefing capable of reducing the luff	Х		
Reefing	3.33.1	length by at least 10%.	х	х	
		A boat shall carry a trysail, with the boat's sail number displayed on both sides, which can be set independently of the main boom, has an area less than 17.5% of E \times P, and which is capable of being attached to the mast. Storm sails manufactured after 01/01/2014			
Sails: Trysail	3.33.2	shall be constructed from a highly visible material. A boat shall carry a heavy-weather jib (or heavy-weather sail in a	Х		
Sails: Headsails	3.33.3	yacht with no forestay) of area not greater than 13.5% height of the foretriangle squared.	x		
		A boat shall carry a storm jib not exceeding 5% of the yacht's I dimension squared, an equipped with an alternative means of attachment to the headstay in the event of a failure of the head foil. Storm sails manufactured after 01/01/2014 shall be constructed			
Sails: Headsails	3.33.4	from a highly visible material.	х		
Rigging: Halyards	3.35	A boat shall not be rigged with any halyard that requires a person to go aloft in order to lower a sail.	х	х	
Rigging: Boom Support	3.36	A boat over 30' LOA (9.14m) shall have a means to prevent the boom from dropping if support from the mainsail or halyard fails.	X	x	
Supplies: Water	3.37	A boat shall carry 1 gallon (3.785 liters) per crewmember of emergency drinking water in sealed containers in addition to any other water carried aboard the boat and it shall be aboard after finishing.	х		
Gear: Life Rafts	3.39	A boat shall carry adequate inflatable life raft(s) designed for saving life at sea with designed capacity for containing the entire crew. The raft shall be SOLAS, ISAF, ISO 9650-1 or ORC approved. The raft shall be stored in such a way that it is capable of being launched within 15 seconds. Boats built after 01/06/2001 shall have the life raft stowed in a deck mounted rigid container or stowed in watertight or self-draining purpose built rigid compartment(s) opening adjacent to the cockpit or the working deck. Boats built prior to 01/06/2001 may alternatively stow the life raft in a valise not weighing over 88 lbs. securely below deck and adjacent to the companionway. The life raft(s) shall hold current certificate(s) of inspection.	x		

Section Name	#	Requirement	Ocean	Coastal	Nearshore
Gear: Life Rafts	3.40	A boat shall have a grab bag with a lanyard and clip for each life raft. The grab bag shall have inherent flotation and be of a bright fluorescent color containing at least an EPIRB, and a watertight handheld VHF radio. The VHF radio and EPIRB need not be in addition to the prior requirements.	x		
Skills: Emergency Steering	4.1.1	A boat's crew shall be aware of multiple methods of steering the boat with the rudder disabled, and shall have chosen and practiced one method of steering the boat with the rudder disabled and be prepared to demonstrate said method of steering both upwind and downwind.	x		
Skills: Emergency Steering	4.1.2	Crews must be aware of methods of steering the yacht with the rudder disabled.		x	
Skills: Man Overboard	4.2	Annually, two-thirds of the boat's racing crew shall practice manoverboard procedures appropriate for the boat's size and speed. The practice shall consist of marking and returning to a position on the water, and demonstrating a method of hoisting a crewmember back on deck, or other consistent means of reboarding the crewmember.	x	х	x
Skills: Safety at Sea Training	4.3.1	At least 30% of those aboard the boat, but not fewer than two members of the crew, unless racing single-handed, including the person in charge, shall have attended a one-day or two-day US Sailing Safety at Sea Seminar within the last 5 years, including online courses when available, or other courses as accepted by US Sailing or other national authority.	x		
Skills: Safety at Sea Training	4.3.2	At least 30% of those aboard the boat, but not fewer than two members of the crew, unless racing single handed, including the person in charge, shall have attended a half-day, one-day, or two-day US Sailing Safety at Sea Seminar within the last 5 years, including online courses when available, or other courses as accepted by US Sailing or other national authority.		x	
Skills: Crew Training	4.4	As required in 1.2 above the person in charge shall ensure that all crew members know where all emergency equipment is located and how to operate the equipment. In addition, the person in charge and crew should discuss how to handle various emergency situations including Crew Overboard, Grounding, Loss of steering, Flooding, Fire, Dismasting, and Abandon Ship.	x	x	x