

MoMu1	3.29.3	One hand-held satellite telephone, watertight or with waterproof cover and internal battery.
	b)	
MoMu0	3.29.4	at least two hand-held marine VHF transceivers each with min 5 W output power, watertight or with waterproof covers. When not in use to be stowed in a grab bag (see OSR 4.21)
MoMu1,2,3,4	3.29.5	a hand-held marine VHF transceiver, watertight or with a waterproof cover. When not in use to be stowed in a grab bag or emergency container (see OSR 4.21)
**	3.29.6	a second radio receiver, which may be the handheld VHF in 3.29.5 above, capable of receiving weather bulletins
MoMu0	3.29.7	a direction-finding radio receiver operating on 121.5 MHz to take a bearing on a PLB or EPIRB, or an alternative device for crew overboard location when each crew member has an appropriate personal unit (see OSR 4.22.1);
MoMu3	3.29.8	a GPS
MoMu0	3.29.9	a satellite device able to send and receive data and a tracking device shall be permanently installed and permanently powered up for the duration of the race and for which the race committee shall have polling authority.
MoMu0	3.29.10	an MF/HF marine SSB transceiver (GMDSS/DSC) with at least 125 W transmitter power and frequency range from at least 1.6 to 29.9 MHz with permanently installed antenna and earth.
MoMu0	3.29.11	an active radar set permanently installed either:
MoMu0	a)	a pulse (magnetron) unit with not less than 4 kW PEP and an antenna unit with a maximum dimension not less than 533 mm; or
MoMu0	b)	a frequency modulated continuous wave (FMCW) Broadband Radar™ unit. The radar antenna unit shall remain essentially horizontal when the boat is heeled and at least 7 m (23') above the water. Installations in place before January 2006 shall comply as closely as possible with OSR 3.29.11 a).
Mu0	3.29.12	a class A AIS Transponder which either:
Mo0,1,2,3Mu1,2,3	3.29.13	an AIS Transponder which either:
MoMu0,1,2,3	a)	shares the masthead VHF antenna via a low loss AIS antenna splitter; or
MoMu0,1,2,3	b)	has a dedicated AIS antenna not less than 38 cm (15") in length mounted with its base not less than 3 m (10') above the Waterline and co-axial feeder cable with not more than 40% power loss

#### SECTION 4 - PORTABLE EQUIPMENT

A boat shall have:

	<b>4.01</b>	<b>Sail Letters &amp; Numbers</b>
**	4.01.1	Identification on sails which complies with RRS 77 and RRS Appendix G
MoMu0,1,2,3	4.01.2	An alternative means of displaying identification as required under RRS Appendix G for a mainsail, to be displayed when none of the numbered sails are set
	<b>4.02</b>	<b>Search and Rescue Visibility</b>
MoMu0	4.02.1	A 4 m <sup>2</sup> (43 ft <sup>2</sup> ) area of highly-visible pink, orange or yellow on the coachroof and/or deck
Mo1Mu1,2	4.02.1	A 1 m <sup>2</sup> (11 ft <sup>2</sup> ) solid area of highly-visible pink, orange or yellow capable of being displayed on the coachroof and/or deck.
Mu0,1,2,3,4	4.02.2	A 1 m <sup>2</sup> (11 ft <sup>2</sup> ) area of highly-visible pink, orange or yellow showing when the boat is inverted
	<b>4.03</b>	<b>Soft Wood Plugs</b>
**		A tapered soft wood plug stowed adjacent to every through-hull opening
	<b>4.04</b>	<b>Jackstays and Clipping Points</b>
MoMu0,1,2,3	4.04.1	Permanently Installed fittings for jackstay ends and clipping points
MoMu0,1,2,3	4.04.2	Jackstays which shall:
MoMu0,1,2,3	a)	be independent on each side of the deck
MoMu0,1,2,3	b)	enable a crewmember to move readily between the working areas on deck and the cockpit(s) with the minimum of clipping and unclipping operations

MoMu0,1,2,3	c)	have a breaking strength of 2040 kg (4500#) and be uncoated and non-sleeved stainless steel 1 x 19 wire of minimum diameter 5 mm (3/16"), webbing or HMPE rope
MoMu0,1,2,3	4.04.3	Clipping points which shall:
MoMu0,1,2,3	a)	be adjacent to stations such as the helm, sheet winches and masts, where crewmembers work
MoMu0,1,2,3	b)	enable a crewmember to clip on before coming on deck and unclip after going below
MoMu0,1,2,3	c)	enable two-thirds of the crew to be simultaneously clipped on without depending on jackstays
Mu0,1,2,3	d)	on a trimaran with a rudder on the outrigger, permit a crewmember to repair the steering mechanism whilst attached to a clipping point
	<b>4.05</b>	<b>Fire Fighting Equipment</b>
**	<b>4.05.1</b>	<b>A fire blanket adjacent to every cooking device</b>
MoMu0	4.05.2	3 fire extinguishers, each with 2 kg of dry powder or equivalent, in different parts of the boat, one system of which is to deal with fire in a machinery space
MoMu1,2,3	4.05.2	2 fire extinguishers, each with 2 kg of dry powder or equivalent, in different parts of the boat
MoMu4	4.05.2	2 fire extinguishers in different parts of the boat
	<b>4.06</b>	<b>Anchors</b>
MoMu0	4.06.1	Anchors, chain and rope which comply with relevant class rules or the rules of a recognised Classification Society (e.g. Lloyd's, DNV, etc.)
MoMu1,2,3	4.06.2	2 un-modified anchors that meet the anchor manufacturer's recommendation based on the boat's dimensions with suitable combination of chain and rope, ready for immediate assembly, and ready for deployment within 5 minutes except that for a boat less than 8.5 m (28') LH there shall be 1 anchor meeting the same criteria.
MoMu4	4.06.2	1 un-modified anchor that meets the anchor manufacturer's recommendation based on the boat's dimensions with suitable combination of chain and rope, ready for immediate assembly, and ready for deployment within 5 minutes.
	<b>4.07</b>	<b>Flashlights and Searchlights</b>
**		Watertight lights with spare batteries and bulbs as follows:
MoMu0,1,2,3	a)	a searchlight, suitable for searching for a person overboard at night and for collision avoidance
MoMu0,1,2,3	b)	a flashlight in addition to 4.07 a)
Mu3,4	c)	the watertight flashlight in OSR 4.07 b) shall be stowed in the grab bag or emergency container
MoMu0	d)	a high-intensity heavy duty searchlight powered by the boat's batteries, instantly available for use on deck and in the cockpit
	<b>4.08</b>	<b>First Aid Manual and First Aid Kit</b>
**		A First Aid Manual and First Aid Kit. The contents and storage of the First Aid Kit shall reflect the likely conditions and duration of the passage, and the number of crew
	<b>4.09</b>	<b>Foghorn</b>
**		A foghorn
	<b>4.10</b>	<b>Radar Reflector</b>
**	4.10.1	A passive radar reflector with:
**	a)	octahedral circular plates of minimum diameter 30 cm (12"), or
**	b)	octahedral rectangular plates of minimum diagonal dimension 40 cm (16"), or
**	c)	a non-octahedral reflector with a documented Root Mean Square minimum Radar Cross Section (RCS) area of 2 m <sup>2</sup> (22 ft <sup>2</sup> ) from 0-360° of azimuth and ±20° of heel
MoMu0	4.10.2	A Radar Target Enhancer (RTE) which complies with ISO 8729-2:2009 or equivalent
	<b>4.11</b>	<b>Navigation Equipment</b>
MoMu0,1,2,3	4.11.1	Navigational charts (not solely electronic), light list and chart plotting equipment

MoMu4	4.11.2	Navigational charts, light list and chart plotting equipment. If electronic-only, an independent alternative shall be on board.
**	<b>4.12</b>	<b>Safety Equipment Location Chart</b> A safety equipment location diagram in durable waterproof material, clearly displayed in the main accommodation, marked with the location of principal items of safety equipment
MoMu0,1,2,3 MoMu,1,2,3,4 MoMu0	<b>4.13</b>	<b>Depth, Speed and Distance Instruments</b>
	4.13.1	A knotmeter or distance measuring instrument (log)
	4.13.2	A depth sounder
	4.13.2	Two independent depth sounders
MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3	<b>4.14</b>	<b>Spare Number</b>
	<b>4.15</b>	<b>Emergency Steering</b>
	4.15.1	An emergency tiller capable of being fitted to the rudder stock except when the principal method of steering is by means of an unbreakable metal tiller there are two methods (e.g. tillers, wheels) of controlling a rudder, neither of which shares components with the other except for the rudder stock.
	a)	
	b)	
MoMu0,1,2,3	4.15.2	A proven method of emergency steering with the rudder disabled
**	<b>4.16</b>	<b>Tools and Spare Parts</b>
**	4.16.1	Tools and spare parts, suitable for the duration and nature of the passage
	4.16.2	An effective means to quickly disconnect or sever the standing rigging from the boat
**	<b>4.17</b>	<b>Boat's name</b> The boat's name on miscellaneous buoyant equipment, such as lifejackets, cushions, lifebuoys, recovery slings, grab bags etc.
**	<b>4.18</b>	<b>Retro-reflective material</b> Marine grade retro-reflective material on lifebuoys, recovery slings, liferafts and lifejackets
MoMu0 MoMu1,2 MoMu0,1,2 MoMu0,1,2	<b>4.19</b>	<b>EPIRBs</b>
	4.19.1	Two water and manually activated 406 MHz EPIRBs
	4.19.1	A water and manually activated 406 MHz EPIRB
	4.19.2	A 406 MHz EPIRB registered after 2015 shall include an internal GPS
	4.19.3	All EPIRBs registered with the appropriate authority associated with the country code in the hexadecimal identification (15 Hex ID) of the beacon. A beacon can be registered online with the Cospas-Sarsat IBRD if the country does not provide a registration facility and the country has allowed direct registration in the IBRD
	<b>4.20</b>	<b>Liferafts</b>
MoMu1,2	<b>4.20.1</b>	<b>Liferaft Construction</b>
	a)	One or more inflatable liferafts with a total capacity to accommodate at least the total number of people on board which complies with:
MoMu1,2	i	SOLAS LSA Code 1997 Chapter IV or later version; or
MoMu1,2	ii	ISO 9650-1:2005, Type 1, Group A - Small Craft - Inflatable; or
MoMu1,2	iii	ISAF liferafts manufactured before 2016 until replacement is due at end of service life; or
MoMu1,2	iv	ORC liferafts manufactured before 2003 until replacement is due at end of service life
MoMu0	b)	A sufficient number of liferafts so that in the event of any one liferaft being lost or rendered unserviceable, sufficient aggregate capacity remains for all crewmembers
MoMu0	c)	Liferafts shall comply with SOLAS LSA code 1997 Chapter IV or later version
	<b>4.20.2</b>	<b>Minimum Liferaft Equipment</b>
MoMu0,1,2	a)	A SOLAS liferaft shall contain as a minimum a SOLAS A pack;
MoMu1	b)	An ISO 9650 liferaft shall contain as a minimum Pack 1 (greater than 24 hour pack);
MoMu2	c)	An ISO 9650 liferaft shall contain as a minimum Pack 2 (less than 24 hour pack);
MoMu1,2	d)	The minimum contents of the ISO liferaft equipment packs are listed below.

Not all items are necessarily packed within the liferaft. Some items are permitted to be carried within an accompanying waterproof grab bag which shall be in a readily accessible location:

Equipment	Pack 1 > 24h	Pack 2 < 24h	In liferaft	In liferaft or in grab bag
Portable buoyant baler easily operable by hand	1	1	X	
Sponge	2	2	X	
Pair of buoyant paddles with handles (not mitts) tied into raft adjacent to an entrance	1	1	X	
First-Aid Kit including at least 2 tubes of sunscreen. All dressings must be capable of being effectively used in wet conditions. The first aid kit shall be clearly marked and shall be re-sealable.	1	0		X
Whistle	1	1	X	
Waterproof torch with 6 h duration and separate battery and bulb or complementary torch	2	1	X	
Signalling mirror	1	1	X	
Anti-seasickness pills, per person	6	6		X
Seasickness bag with simple effective closure system, per person	1	1		X
Red hand flares in accordance with SOLAS LSA Code Chapter III, 3.2	6	3	3 min	X
Red parachute flares in accordance with SOLAS LSA Code Chapter III, 3.1	2	2	1 min	X
Thermal protective aids in accordance with SOLAS LSA Code Chapter III, 2.5	2	0		X
Repair outfit to enable survivors to repair leaks in any or all of the inflatable compartments. Repair systems must work when wet and be capable of being applied during violent motion.	1	1	X	
Air pump or bellows which shall be simple, robust and complete, with all necessary connections (loose parts shall be captive to the main apparatus) ready for instant use to enable air to be pumped into any or all of the inflatable compartments. The air pump or bellows shall be designed and built specifically for easy operation by hand	1	1	X	
Drinking water per person, in containers of each not more than 500mL	1.5 L	0	X 0.5 L	X <sup>a</sup>
Food per person	10 000 kJ	0		X
<sup>a</sup> Drinking water in the grab bag (if any) may be replaced with a desalinator device				

#### 4.20.3 Liferaft Packing and Stowage

- a) Each liferaft shall be packed either in:
- i a rigid container securely stowed on the working deck, in the cockpit or in an open space; or:

MoMu0,1,2  
MoMu0,1,2

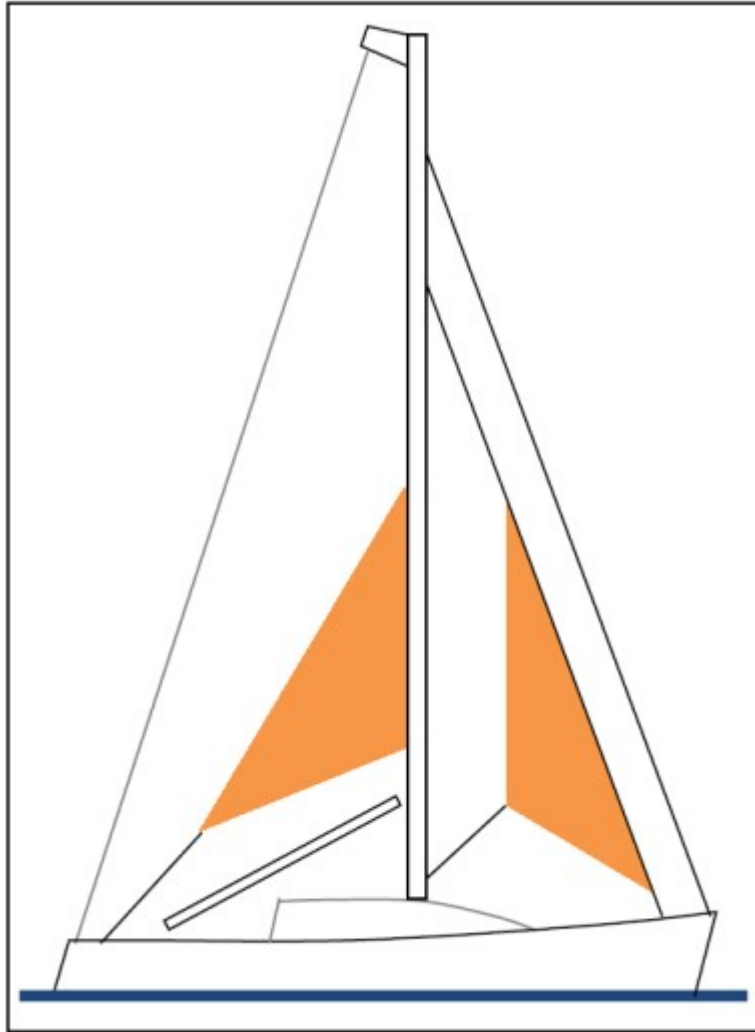
MoMu0,1,2	ii	a rigid container or valise securely stowed in a dedicated weather tight locker containing liferaft and abandon ship equipment only which is readily accessible and opens onto the cockpit or working deck, or transom
MoMu1,2	b)	In a boat with primary launch before June 2001, a liferaft may be packed in a valise not exceeding 40 kg securely stowed below deck adjacent to a companionway
MoMu0,1,2	c)	On a multihull or on a monohull with moveable ballast the liferaft shall be readily deployable whether or not the boat is inverted
MoMu0,1,2	d)	The end of each liferaft painter should be securely fastened to the boat
MoMu0,1,2	e)	Each raft shall be capable of being got to the lifelines or launched within 15 seconds
	<b>4.20.4</b>	<b>Spare Number</b>
	<b>4.20.5</b>	<b>Liferaft Servicing</b>
MoMu0,1,2	a)	A liferaft shall be serviced at a manufacturer authorized service station at the following maximum intervals:
MoMu0,1,2	i	SOLAS liferafts annually
MoMu0,1,2	ii	ISO 9650 canister packed liferafts every 3 years
MoMu0,1,2	iii	ISO 9650 valise packed liferafts every 3 years except that hired liferafts shall be serviced annually
MoMu0,1,2	iv	ISAF liferafts annually
MoMu0,1,2	v	ORC liferafts annually
MoMu0,1,2	b)	Servicing certificates (original or a copy) on board
	<b>4.21</b>	<b>Grab Bags</b>
Mo3Mu3,4		Either a watertight compartment or a grab bag, readily accessible whether or not the boat is inverted, with the following minimum contents:
Mo3Mu3,4	a)	a watertight hand-held marine VHF transceiver with spare batteries
Mo3Mu3,4	b)	a watertight flashlight with spare batteries and bulb
Mo3Mu3,4	c)	3 red hand flares
Mo3Mu3,4	d)	a watertight strobe light with spare batteries
Mo3Mu3,4	e)	a knife
**	f)	If a grab bag is provided it shall have inherent flotation, at least 0.1 m <sup>2</sup> (1 ft <sup>2</sup> ) area of fluorescent orange colour on the outside, shall be marked with the name of the boat, and shall have a lanyard and clip
	<b>4.22</b>	<b>Crew Overboard Identification and Recovery</b>
	4.22.1	Locator Beacons
MoMu0	a)	A PLB (Personal Locator Beacon) equipped with 406Mhz and 121.5Mhz for each crew member
MoMu0,1,2	b)	An AIS personal crew overboard beacon for each crew member
MoMu0	c)	A personal unit in addition to the PLB in OSR 4.22.1 b) if the location device carried by the boat in accordance with OSR 3.29.07 requires it;
MoMu0,1,2	d)	Where possible every PLB shall be registered with the appropriate authority associated with the country code in the hexadecimal identification (15 Hex ID) of the beacon. A beacon can be registered online with the Cospas-Sarsat IBRD if the country does not provide a registration facility and the country has allowed direct registration in the IBRD.
	4.22.2	GPS Crew Overboard Position
MoMu0	a)	A GPS capable of recording a crew overboard position, within 10 seconds, and monitoring that position, and
MoMu0	b)	connected to an emergency button immediately accessible to a helmsman which will sound an audible alarm in the accommodation and simultaneously send an appropriate signal to the GPS
MoMu1,2	c)	A GPS capable of recording a crew overboard position, within 10 seconds, and monitoring that position
MoMu3,4	4.22.3	a lifebuoy with a self-igniting light, a whistle and a drogue within reach of the helmsman and ready for immediate use
MoMu0,1,2	4.22.3	a lifebuoy with a self-igniting light, a whistle and a drogue
MoMu0,1,2	4.22.4	In addition to 4.22.3 above, within reach of the helmsman and ready for

MoMu0,1,2 MoMu0,1,2	a) b)	immediate use, a second lifebuoy equipped with: a whistle, a drogue, a self-igniting light and a pole and flag. The pole shall be either permanently extended or be capable of being fully automatically extended									
MoMu0 MoMu0,1,2 **	c) 4.22.5 4.22.6	Each lifebuoy shall be equipped with a sachet of fluorescein dye At least one lifebuoy shall depend entirely on permanent buoyancy (e.g. foam) Each inflatable lifebuoy and any automatic device shall be tested and serviced at intervals in accordance with its manufacturer's instructions									
**	4.22.7	A heaving line, no less than 6 mm (1/4") diameter, 15 - 25 m (50 - 75') long, readily accessible to cockpit									
MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3	4.22.8 a) b) c)	A recovery sling which includes a: buoyant line of length no less than the shorter of 4 times LH or 36m (120') buoyancy section (horseshoe) with no less than 90 N (20#) buoyancy minimum strength capable to hoist a crewmember aboard									
**	<b>4.23</b>	<b>Pyrotechnic and Light Signals</b> Pyrotechnic signals shall be provided conforming to SOLAS LSA Code Chapter III Visual Signals and not older than the stamped expiry date (if any) or if no expiry date stamped, not older than 4 years.									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">Race Category</th> <th style="width: 33%;">Red Hand Flares LSA III 3.2</th> <th style="width: 33%;">Orange Smoke Flares LSA III 3.3</th> </tr> </thead> <tbody> <tr> <td>MoMu0,1,2,3</td> <td style="text-align: center;">4</td> <td style="text-align: center;">2</td> </tr> <tr> <td>MoMu4</td> <td></td> <td style="text-align: center;">2</td> </tr> </tbody> </table>			Race Category	Red Hand Flares LSA III 3.2	Orange Smoke Flares LSA III 3.3	MoMu0,1,2,3	4	2	MoMu4		2
Race Category	Red Hand Flares LSA III 3.2	Orange Smoke Flares LSA III 3.3									
MoMu0,1,2,3	4	2									
MoMu4		2									
**	4.24 <b>4.25</b>	Spare Number <b>Cockpit Knife</b> A strong, sharp knife, sheathed and securely restrained shall be provided readily accessible from the deck or a cockpit.									
**	<b>4.26</b>	<b>Storm &amp; Heavy Weather Sail Inventory</b> the following storm & heavy weather sails as specified in OSR 4.27:									
MoMu0 MoMu1,2	4.26.1 4.26.1	a storm trysail (or rotating wing mast if suitable) either a storm trysail or mainsail reefing to reduce the luff by at least 50% (or rotating wing mast if suitable)									
MoMu3	4.26.1	either a storm trysail or mainsail reefing to reduce the luff by at least 40% (or rotating wing mast if suitable)									
MoMu4	4.26.1	either mainsail reefing to reduce the luff by 12.5% or a heavy-weather jib (or rotating wing mast if suitable or heavy-weather sail in a boat with no forestay)									
MoMu0,1,2,3 MoMu0,1,2	4.26.2 4.26.3	heavy weather jib storm jib									

## 4.27 Storm & Heavy Weather Sail Specifications

### 4.27.1 Design

Figure 3



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- a) The material of the body of a storm sail purchased after 2013 shall have a highly-visible colour (e.g. dayglo pink, orange or yellow)
- b) Aromatic polyamides, carbon and similar fibres shall not be used in a trysail or storm jib but HMPE and similar materials are permitted
- c) Sheeting positions on deck for each storm and heavy-weather sail
- d) Sheeting positions for the trysail independent of the boom
- e) The maximum area of storm and heavy weather sails shall be lesser of the areas below or as specified by the boat designer or sailmaker
- f) For sails made after 2011: Storm and heavy weather jib areas calculated as:  $(0.255 \times \text{luff length} \times (\text{luff perpendicular} + 2 \times \text{half width}))$

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### 4.27.2 A storm trysail with:

MoMu0,1,2

MoMu0,1,2

- a) area not greater than 17.5% mainsail hoist (P) x mainsail foot length (E)
- b) For sails made after 2011: The storm trysail area calculated as  $(0.5 \times \text{leech length} \times \text{shortest distance between tack point and leech})$
- c) no headboard
- d) no battens
- e) sail number and letters on both sides, as large as practicable
- f) in the case of a boat with an in-mast furling mainsail, the storm trysail shall be capable of being set while the mainsail is furled

MoMu0,1,2

MoMu0,1,2

MoMu0,1,2

MoMu0,1,2

### 4.27.3 A heavy-weather jib (or heavy-weather sail in a boat with no forestay) with:

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- a) area of 13.5% height of the foretriangle squared
- b) readily available means, independent of a luff groove, to attach to the stay

MoMu0,1,2 MoMu0,1,2 MoMu0,1,2	<b>4.27.4</b>	<b>A storm jib with:</b>
	a)	area of 5% (height of the foretriangle) squared
	b)	maximum luff length 65% of height of foretriangle
	c)	permanently attached means, independent of a luff groove, to attach to the stay
MoMu0	<b>4.28</b>	<b>Drogue, Sea Anchor</b>
		A drogue for deployment over the stern, or a sea anchor or parachute anchor for deployment at the bow, complete with all necessary gear (see Appendix K)
Mo0 Mo0 Mo0	<b>4.29</b>	<b>Deck Bags</b>
	4.29.1	If permitted by the Notice of Race, Sailing Instructions or Class Rules, bags for storing sails on deck shall be:
	a)	so constructed to ensure rapid draining of water
	b)	securely fastened in such a way that the integrity of deck fittings e.g. stanchions and lifelines, is not compromised
Mo0,1,2 Mo0,1,2 Mo0,1,2 Mo0,1,2 Mo0,1,2 Mo0,1,2 Mo0,1,2	<b>4.30</b>	<b>Emergency Pumps</b>
	4.30.1	either fixed or portable pump to remove ingress water from any compartment.
	a)	This pump shall:
	b)	have a minimum rated capacity of 200 l/min
	c)	be operated by battery, main engine power or a separate engine
	d)	if portable electric-powered, power cables to be terminated with alligator clips
	e)	have sufficient hose to discharge directly overboard or into the cockpit.
	f)	A combination of permanently installed and portable pumps may be combined to meet the above requirement.

## SECTION 5 - PERSONAL EQUIPMENT

Each crew member shall have:

** **	<b>5.01</b>	<b>Lifejacket</b>
** **	5.01.1	A lifejacket which shall:
** **	a) i	if manufactured before 2012 comply with ISO 12402 - 3 (Level 150) or equivalent, including EN 396 or UL 1180 and:
MoMu0,1,2 **		<ul style="list-style-type: none"> <li>• if inflatable have a gas inflation system</li> <li>• have crotch/thigh straps (ride up prevention system (RUPS))</li> <li>• have an integral safety harness in compliance with OSR 5.02</li> </ul>
** MoMu0,1,2 MoMu0,1,2,3	ii	if manufactured after 2011 comply with ISO 12402-3 (Level 150) and be fitted with a whistle, lifting loop, reflective material automatic/manual gas inflation system
** MoMu0,1,2 MoMu0,1,2,3		<ul style="list-style-type: none"> <li>• crotch/thigh straps (ride up prevention system (RUPS))</li> <li>• an integral safety harness in compliance with OSR 5.02</li> </ul>
** MoMu0,1,2,3 MoMu0	b)	have an emergency position indicating light in accordance with either ISO 12402-8 or SOLAS LSA code 2.2.3
** MoMu0,1,2,3 MoMu0	c)	be clearly marked with the boat's or wearer's name
** MoMu0,1,2,3	d)	have a sprayhood in accordance with ISO 12402-8
** MoMu0,1,2,3	e)	have a PLB unit (as with other types of EPIRB, should be properly registered with the appropriate authority)
** MoMu0,1,2,3	f)	if inflatable, regularly checked for air retention
MoMu0,1,2	5.01.2	A boat shall carry at least one gas inflatable lifejacket spare cylinder and, if appropriate, spare activation head for each type of lifejacket on board.
**	5.01.3	A boat shall carry at least one spare lifejacket as required in OSR 5.01.1, (a spare PLB described in 5.01.1(e) is not required)
MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3	5.01.4	The person in charge shall personally check each lifejacket at least once annually.
	<b>5.02</b>	<b>Safety Harness and Tethers</b>
	5.02.1	A harness that complies with ISO 12401 or equivalent
	5.02.2	A tether that shall:
	a)	comply with ISO 12401 or equivalent
	b)	not exceed 2 m (6'-6") including the length of the hooks
	c)	have self-closing hooks



MoMu0,1,2,3	d)	have overload indicator flag embedded in the stitching
MoMu0,1,2,3	e)	be manufactured after 2000
MoMu0,1,2,3	5.02.3	All of the crew shall have either:
MoMu0,1,2,3	a)	a tether not exceeding 1m (3'3") including the length of the hooks, or
MoMu0,1,2,3	b)	an intermediate self-closing hook on a 2 m (6'-6") tether
MoMu0	5.02.4	a boat shall carry spare harnesses and tethers as required in OSR 5.02 above sufficient for at least 10% of the crewmembers (minimum one unit)
MoMu0,1,2,3	5.02.5	A tether which has been overloaded shall be replaced
MoMu0	<b>5.03</b>	<b>Personal Location Lights</b>
		Two packs of miniflares or two personal location lights (either SOLAS or strobe): one to be attached to, or carried on, the person when on deck at night
MoMu0	<b>5.04</b>	<b>Foul Weather Suits</b>
		A foul weather suit with hood
MoMu0	<b>5.05</b>	<b>Knife</b>
		A knife, to be worn on the person at all times
MoMu0	<b>5.06</b>	<b>Flashlight</b>
		A buoyant watertight flashlight
MoMu0	<b>5.07</b>	<b>Survival Equipment</b>
		an immersion suit (attention is drawn to EN ISO 15027-1 constant wear suits, and EN ISO 15027-2 abandonment suits and the LSA Code Chapter II, 2,3);
MoMu0	<b>5.08</b>	<b>Diving Equipment</b>
		The boat shall have at least two diving suits each to cover the entire body and including gloves, fins and portable air supplies

## SECTION 6 - TRAINING

MoMu0	6.01.1	Every member of a crew including the Person in Charge shall have undertaken training within the five years before the start of the race in OSR 6.02 Training Topics
MoMu1,2	6.01.2	At least 30% but not fewer than two members of a crew, including the Person in Charge shall have undertaken training within the five years before the start of the race in OSR 6.02 Training Topics
MoMu3	6.01.3	When there are only two crewmembers, at least one shall have undertaken training within the five years before the start of the race in OSR 6.02 Training Topics
MoMu0,1,2	6.01.4	Except as otherwise provided in the Notice of Race, an in-date certificate gained at a World Sailing approved Offshore Personal Survival Training course shall be accepted by a race organizing authority as evidence of compliance with Special Regulation 6.01. See Appendix G - Model Training Course, for further details.
	<b>6.02</b>	<b>Training Topics</b>
	6.02.1	Giving Assistance to Other Craft
	6.02.2	Personal Safety Gear, theory and practice
	6.02.3	Care and Maintenance of Safety Gear
	6.02.4	Fire Precautions and Firefighting, theory and practical
	6.02.5	Crew Overboard Identification and Recovery
	6.02.6	Hypothermia, Cold Shock and Drowning
	6.02.7	Crew Health
	6.02.8	Marine Weather
	6.02.9	Heavy Weather
	6.02.10	Storm Sails
	6.02.11	Damage Control
	6.02.12	Search and Rescue Organization
	6.02.13	Pyrotechnics and Signalling Gear, theory and practical
	6.02.14	Emergency Communications, theory and practical
	6.02.15	Liferafts and Abandon Ship, theory and practical
	6.03	Spare Number