## Extract for Race Category 2 Multihulls JANUARY 2018- DECEMBER 2019

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#### Because this is an extract not all paragraph numbers will be present

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Official interpretations shall take precedence over these Special Regulations and will be indexed, numbered, dated and displayed on the World Sailing web site www.sailing.org/specialregs

#### **Language & Abbreviations Used**

Mo - Monohull

Mu - Multihull

" \*\* " means the item applies to all types of boat in all Categories except 5 for which see Appendix B or 6 for which see Appendix C.

#### RED TYPE indicates significant changes in 2018

Guidance notes and recommendations have been removed from the Regulations and are available on www.sailing.org/documents/offshorespecialregs/index.php

The use of the masculine gender shall be taken to mean either gender

#### Administration

The Offshore Special Regulation are administered by the World Sailing Special Regulation Sub-Committee whose terms of reference are as follows: (www.sailing.org/regulations)

World Sailing Regulation 6.9.8.3 - The Special Regulations Sub-Committee shall:

- (a) be responsible for the maintenance, revision and changes to the World Sailing Offshore Special Regulations governing offshore racing, under licence from ORC Ltd. Such changes shall be biennial with revised editions published in January of each even year, except that matters of an urgent nature affecting safety may be dealt with by changes to the Regulations on a shorter time scale;
- (b) monitor developments in offshore racing relative to the standards of safety and seaworthiness.

Any queries please E-Mail: technical@sailing.org

### SECTION 1 - FUNDAMENTAL AND DEFINITIONS

	1.01	Purpose and Use
**	1.01.1	The purpose of the Offshore Special Regulations (OSR) is to establish
		uniform minimum equipment, accommodation and training standards for
		monohull and multihull (excluding proa) boats racing offshore.
**	1.01.2	The OSR do not replace, but rather supplement, the requirements of
		governmental authority, Classification Society certification, the Racing Rules
		of Sailing (RRS), Equipment Rules of Sailing(ERS), class rules and Rating
		Systems.
**	1.01.3	Use of the OSR does not guarantee total safety of the boat and her crew.

Particular attention is drawn to the description of OSRs for inshore racing which includes that adequate shelter and or effective rescue is available all along the course. This is not included in more onerous OSR categories.

1.02 Responsibility of Person in Charge

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1.02.1 Under RRS 4 the responsibility for a boat's decision to participate in a race or continue racing is hers alone. The safety of a boat and her crew is the sole and inescapable responsibility of the Person in Charge who shall do his best to ensure that the boat is fully found, thoroughly seaworthy and manned by an experienced and appropriately trained crew who are physically fit to face bad weather. The person in charge shall also assign a person to take over his responsibilities in the event of his incapacitation.

1.02.2 Neither the establishment of the OSR, nor their use by Organizing

Authorities, nor the inspection of a boat under the OSR in any way limits or reduces the complete and unlimited responsibility of the Person in Charge.

1.02.3 By participating in a race conducted under the OSR, the person in charge,

each competitor and boat owner agrees to reasonably cooperate with the organizing authority and World Sailing in the development of an

independent incident report as specified in 2.02

**1.03 Definitions, Abbreviations, Word Usage** 1.03.1 Definitions of Terms used in this document

Abbreviation Description # Pound force (lbf)

ABS American Bureau of Shipping
Age Date Month/year of first launch
AIS Automatic Identification Systems
CEN Comité Européen de Normalisation

Coaming The part of the cockpit, including the transverse after limit, over which

water would run when the boat is floating level and the cockpit is filled

to overflowing

COLREGS International Regulations for Preventing Collisions at Sea

Contained A cockpit where the combined area open aft to the sea is less than

Cockpit 50% maximum cockpit depth x maximum cockpit width

CPR Cardio-Pulmonary Resuscitation

Crewmember Every person on board DSC Digital Selective Calling

EN European Norm

EPIRB Emergency Position-Indicating Radio Beacon ERS World Sailing - Equipment Rules of Sailing

FA Station The transverse station at which the upper corner of the transom

meets the sheerline.

First Launch Month & year of first launch of the individual boat

Foul-Weather Clothing designed to keep the wearer dry and may consist of one

Suit piece or several

GMDSS Global Maritime Distress & Safety System

GNSS Global Navigation Satellite System

GPS Global Positioning System

Hatch The term hatch includes the entire hatch assembly including the lid or

cover as part of that assembly

HMPE High Modulus Polyethylene (Dyneema®/Spectra® or equivalent)

IMO International Maritime Organisation

IMSO The International Mobile Satellite Organisation, the independent,

intergovernmental organisation that oversees Inmarsat's performance of its Public Service Obligations for the GMDSS and reports on these to

IMO

INMARSAT Inmarsat Global Limited is the private company that provides GMDSS

satellite distress and safety communications, plus general

communications via voice, fax and data

ISAF International Sailing Federation- (now World Sailing)

ISO International Standard Organization or International Organization for

Standardization.

ITU International Telecommunications Union

Jackstay A securely fastened webbing or rope which permits a crewmember to

move from one part of the boat to another without having to unclip a

safety harness tether.

LH Hull Length as defined by the ERS

Lifeline Rope or wire line rigged as guardrail / guardline around the deck

LSA IMO International Life-Saving Appliance Code

LWL (Length of) loaded waterline

Monohull A boat with one hull

Moveable Material carried for the sole purpose of increasing weight and/or Ballast influencing stability and/or trim and which may be moved transversely

but not varied in weight while a boat is racing

Multihull A boat with more than one hull

Open Cockpit A cockpit that is not a Contained Cockpit.

ORC Offshore Racing Congress (formerly Offshore Racing Council)

OSR Offshore Special Regulation(s)

Permanently The item is effectively built-in by e.g. bolting, welding, glassing etc.

Installed and may not be removed for or during racing.

PLB Personal Locator Beacon

Primary Month & Year of first launch of the first boat of the production series

Launch or first launch of a non-series boat

Proa Asymmetric Catamaran

Rode Rope, chain, or a combination of both, which is used to connect an

anchor to the boat.

RRS ISAF - Racing Rules of Sailing

Safety Line A tether used to connect a safety harness to a strong point

SAR Search and Rescue

SART Search and Rescue Transponder

Securely Held strongly in place by a method (e.g. rope lashings, wing-nuts) which will safely retain the fastened object in severe conditions

including a 180° capsize and allows for the item to be removed and

replaced during racing

SOLAS Safety of Life at Sea Convention

SSS The Safety and Stability Screening numeral

Static Ballast Material carried for the sole purpose of increasing weight and/or to

influencing stability and/or trim and which is not moved or varied in

weight while a boat is racing

Static Safety A safety line (usually shorter than a safety line carried with a harness)

Line kept clipped on at a work-station STIX ISO 12217-2 Stability Index

Variable Ballast Water carried for the sole purpose of influencing stability and/or trim

and which may be varied in weight and/or moved while a boat is

racing.

Waterline The water surface when the boat is floating in measurement trim

World Sailing formerly the International Sailing Federation or ISAF

1.03.2 The words "shall" and "must" are mandatory, and "should" and "may" are

permissive.

1.03.3 The word "yacht" shall be taken as fully interchangeable with the word

"boat".

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SECTION 2 - A	PPLICATION	& GENERAL REQUIREMENTS
	2.01	Categories of Events
**		Organizing Authorities shall select from one of the following categories and
		may modify the OSR to suit local conditions
	2.01.3	Category 2
MoMu2		Races of extended duration along or not far removed from shorelines or in
		large unprotected bays or lakes, where a high degree of self-sufficiency is
		required of the boats
	2.02	Incident Reporting
		The Organizing Authority of a race will establish whether any incidents
		occurred, which if reported would be likely to be relevant to evolving the
		Offshore Special Regulations, the plan review process, or in increasing
		safety. The Organizing Authority will follow any guidelines issued by World
		Sailing concerning incident reporting.
	2.03	Inspection
**	2.03	A boat may be inspected at any time. If she fails to comply with the OSR
		, , ,
	2.04	her entry may be rejected or she will be subject to protest
**		General Requirements
**	2.04.1	All equipment required by OSR shall:
**	a)	function properly
**	b)	be regularly checked, cleaned and serviced
**	c)	when not in use be stowed in conditions in which deterioration is minimised
	d)	be readily accessible
**	e)	be of a type, size and capacity suitable and adequate for the intended use
**	2.04.2	and size of the boat.
	2.04.2	Heavy items shall be permanently installed or securely fastened
**	TRUCTURAL	FEATURES, STABILITY, FIXED EQUIPMENT
11-11-	2.01	A boat shall be/have:
**	<b>3.01</b>	Strength of Build and Rig
**	3.01.1	Properly rigged, fully seaworthy and shall meet the OSR
11-11-	3.01.2	Equipped with shrouds and at least one forestay that shall remain
	2.02	connected to the mast and the boat while racing
**	3.02	Watertight Integrity of a Boat
77	3.02.1	Essentially watertight and all openings shall be capable of being
		immediately secured. Centreboard, daggerboard trunks and the like shall
		not open into the interior of a hull except via a watertight maintenance
M-M. O 1 2	2.02.2	hatch with the opening entirely above the Waterline
MoMu0,1,2	3.03.2	A monohull with Primary Launch between 1987 and 2010, and all
		multihulls, shall have been designed, built, maintained, modified or repaired
M M 0 4 2	`	in accordance with the requirements of:
MoMu0,1,2	c)	the EC Recreational Craft Directive for Category A having obtained the CE
M-M-0 1 2	-15	mark, or
MoMu0,1,2	d)	ISO 12215 Category A, with written statements signed by the designer and
		builder confirming that they have respectively designed and built the boat
	,	in accordance with the ISO standard, and
MoMu0,1,2	e)	have written statements or approvals in accordance with a), or b) or c) and
		d) above for all significant repairs or modifications to the hull, deck, coach
	_	roof, keel or appendages, on board, except
MoMu0,1,2	f)	that a race organizer or class rules may accept, when that described in a),
		b), c), d) or e) above is not available, the signed statement by a naval
		architect or other person familiar with the standards listed above that the
		boat fulfils these requirements
	3.05	Stability and Flotation - Multihulls
Mu0,1,2,3,4	3.05.1	Watertight bulkheads and compartments (which may include permanently
		installed flotation material) in each hull, to ensure that the boat is
		effectively unsinkable and capable of floating in a stable position with at
		least half the length of one hull flooded (see OSR 3.13.2)

Mu0,1,2,3,4	3.05.2	Transverse watertight bulkheads at intervals of not more than 4 m (13'-3") in every hull without accommodation if with a First Launch after 1998
Mu0,1,2,3,4	3.05.3 <b>3.07</b>	Designed and built to resist capsize  Exits and Escape Hatches - Multihulls
	3.07.1	Exits
Mu0,1,2,3	3.07.1	At least two exits in each hull which contains accommodations
	3.07.2	Escape Hatches, Underside Clipping Points & Handholds
Mu0,1,2,3,4	a)	If 12 m (39'-4") LH and greater each hull which contains accommodation:
Mu0,1,2,3,4	i	an escape hatch for access to and from the hull in the event of an
, _ , _ , _ , .	•	inversion;
Mu0,1,2,3,4	ii	a minimum clearance diameter through each escape hatch of 450 mm (18") or when an escape hatch is not circular, sufficient clearance to allow a
		crewmember to pass through fully clothed on boats if First Launch after 2002
Mu0,1,2,3,4	iii	each escape hatch above the waterline when the boat is inverted;
Mu0,1,2,3,4	iv	each escape hatch at or near the midships station if First Launch after 2000
Mu0,1,2,3,4	V	each escape hatch on the side nearest the vessel's central axis for a
1140,1,2,3,1	•	catamaran if First Launch after 2002
Mu0,1,2,3,4	3.07.2 b)	if a trimaran at least two escape hatches in compliance with the dimensions
1140/1/2/3/1	310712 57	in OSR 3.07.2 a) ii if 12 m (39'-4") LH and greater if First Launch after 2002
Mu0,1,2,3,4	c)	each escape hatch shall have been opened both from inside and outside
1140,1,2,3,1	C)	within 6 months prior to the race
Mu0,1,2,3,4	3.07.2 d)	appropriate handholds/clipping points on the underside sufficient for all
1100,1,2,3,1	3.07.2 d)	crew (on a trimaran these shall be around the central hull)
Mu0,1,2,3,4	e)	a catamaran with a central nacelle first launched after 2002 shall have on
1140,1,2,3,1	C)	the underside around the central nacelle, handholds of sufficient capacity to
		enable all persons on board to hold on and/or clip on securely
Mu2,3,4	3.07.3	if less than 12 m (39'-4") LH either escape hatches in compliance with OSR
Muz,5,7	3.07.3	3.07.2 a), b) and c) or:
Mu2,3,4	a)	in each hull which contains accommodation, a station where an emergency
Muz,5,7	a)	hatch may be cut. The cutting line shall be clearly marked both inside and
		outside with an outline and the words "ESCAPE CUT HERE", and
Mu2,3,4	b)	tools suitable for cutting the emergency hatch, ready for instant use,
Muz,5,7	U)	adjacent to the cutting site. Each tool shall be secured to the vessel by a
		lanyard.
	3.08	Hatches & Companionways
**	3.08.1	Hatch covers forward of the maximum beam station shall not open toward
	3.06.1	the interior of the boat, except hatches in the side of a coachroof or ports
		· · · · · · · · · · · · · · · · · · ·
**	3.08.2	having an area of less than 0.071 m <sup>2</sup> (110 in <sup>2</sup> )
	3.06.2	Hatches not conforming with 3.08.1 shall be clearly labelled and used in
**	3.08.3	accordance with the following instruction "NOT TO BE OPENED AT SEA"
**		A hatch, including a hatch over a locker shall be:
	a)	permanently attached and capable of being firmly shut immediately and
**	3.08.4	remaining firmly shut in a 180° capsize Companionway hatches:
**		•
	a)	fitted with a strong securing arrangement which shall be operable from the exterior and interior even when the boat is inverted
**	<b>b</b> )	
**	b) :	blocking devices:
**	  :	capable of being retained in position with the hatch open or shut
**	ii iii	secured to the boat (e.g. by lanyard) for the duration of the race
	3.08.7	permit exit in the event of inversion if a multihull with a companionway hatch extending below the local
Mu0,1,2,3,4		sheerline either:
Mu0,1,2,3,4	a)	have a minimum sill height of 300 mm (12") and be capable of being
		blocked off up to the level of the local sheerline whilst giving access to the
		interior with the blocking device(s) in place; or
Mu0,1,2,3	b)	be in compliance with ISO 11812 to design category A

	3.09	Cockpits
**	3.09.1	Cockpits that self-drain quickly by gravity at all angles of heel and are permanently incorporated as an integral part of the boat
**	3.09.2	A cockpit sole at least 2% LWL above the waterline (or in IMS boats with First Launch before 2003, at least 2% L above the waterline)
**	3.09.3	A bow, lateral, central or stern well is a cockpit for the purposes of OSR 3.09
**	3.09.4	Cockpit Volume
**		The maximum combined volume below lowest coamings of all contained cockpits shall be:
Extract		primary launch before April 1992: 9% (LWL x maximum beam x freeboard
MoMu2,3,4		abreast the cockpit)
**	b)	primary launch after March 1992 as above for the appropriate category except that "lowest coamings" shall not include any aft of the FA station and no extension of a cockpit aft of the working deck shall be included in calculation of cockpit volume
	3.09.5	Cockpit Drains
**		Cockpit drain cross section area of unobstructed openings (after allowance for screens if fitted) shall be at least that of:
**	a)	2 x 25 mm (1") diameter or equivalent for a boat less than 8.5 m (28') LH
**	b)	4 x 20 mm (3/4") diameter or equivalent for a boat 8.5 m (28') LH or greater
	3.10	Sea Cocks or Valves
**	3.10.1	Permanently installed sea cocks or valves on all through-hull openings below the waterline except for integral deck scuppers and instrument through-hulls
	3.11	Sheet Winches
**		Sheet winches mounted in such a way that an operator is not required to be substantially below deck
	3.12	Mast Step
**	3.12.1	The heel of a keel stepped mast securely fastened to the mast step or adjoining structure
	3.13	Watertight Bulkheads
Mo0Mu0,1,2,3,	3.13.1	Either a watertight "crash" bulkhead within 15% of LH from the bow and
4		abaft the forward end of LWL, or permanently installed closed-cell foam buoyancy effectively filling the forward 30% LH of the hull
Mo0Mu0,1,2,3, 4	3.13.2	Any required watertight bulkhead to be strongly built to take a full head of water pressure without allowing any leakage into the adjacent
	244	compartment
**	<b>3.14</b>	Pulpits, Stanchions, Lifelines  The perimeter of the deck currented by system of lifelines and pulpits as
<u> ተ</u>	3.14.1	The perimeter of the deck surrounded by system of lifelines and pulpits as follows:
**	a)	Continuous lifelines fixed only at (or near) the bow and stern. However a gate on each side of a boat is permitted. Except at its end fittings and at gates, the movement of a lifeline in a fore-and-aft direction shall not be constrained. Temporary sleeving shall not modify tension in the lifeline.
**	b)	Minimum heights of lifelines and pulpit rails above the working deck and vertical openings:
**	i	upper: 600 mm (24")
**	ii	intermediate: 230 mm (9")
**	iii	vertical opening: no greater than 380 mm (15") except that on a boat with a Primary Launch before 1993 where it shall be no greater than 560 mm
**	c)	(22") Lifelines permanently supported at intervals of not more than 2.2 m (7'-2 1/2") and shall not pass outboard of supporting stanchions
**	d)	Pulpit and stanchion bases permanently installed with pulpits and stanchions mechanically retained in their bases

**	e)	The outside of pulpit and stanchion base tubes no further inboard from the edge of the working deck than 5% of maximum beam or 150 mm (6"), whichever is greater, nor further outboard than the edge of the working deck
**	f)	Stanchions straight and vertical except that:
**	i	within the first 50 mm (2") from the deck, stanchions shall not be displaced horizontally from the point at which they emerge from the deck or stanchion base by more than 10 mm (3/8")
**	ii	stanchions may be angled to not more than 10° from vertical at any point above 50 mm (2") from the deck
**	g)	A bow pulpit may be open provided the opening between the pulpit and any part of the boat does not exceed 360 mm (14")
**		

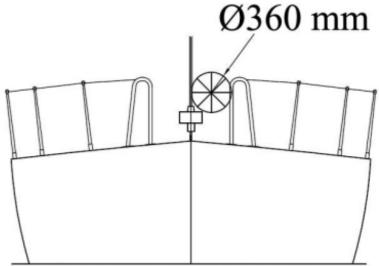


Figure 2 - Diagram Showing Pulpit Opening h) Lifelines may terminate at or pass through adequately braced stanchions set inside and overlapping the bow pulpit \*\* i) When a deflecting force of 4 kg (8.8 #) is applied to a lifeline at the midpoint of the longest span between supports that are aft of the mast, the deflection shall not exceed: \*\* 50 mm (2") for an upper or single lifeline 120 mm (4 ¾") for an intermediate lifeline ii 3.14.2 Special Requirements for Pulpits, Stanchions, Lifelines on Mu0,1,2,3,4 **Multihulls** Mu0,1,2,3,4 When on a boat it is impractical to precisely follow OSR regarding pulpits, stanchions, lifelines, the regulations for monohulls shall be followed as closely as possible 3.14.3 Spare number 3.14.4 Spare number 3,14.5 Spare number **Lifeline Specifications** 3.14.6 Mo4,Mu\*\* Lifelines of either: 3.14.6 a) Mo4,Mu\*\* 3.14.6 a) i stranded stainless steel wire Mo4,Mu\*\* 3.14.6 a) ii **HMPF** \*\* The minimum diameter is specified in table 8 below 3.14.6 b) Stainless steel lifelines shall be uncoated and used without close-fitting \*\* 3.14.6 c) sleeving, however, temporary sleeving may be fitted provided it is regularly removed for inspection. \*\* 3.14.6 d) A lanyard of synthetic rope may be used to secure lifelines provided the gap it closes does not exceed 100 mm (4"). This lanyard shall be replaced

strength no less than the lifeline

All components of the lifeline enclosure system shall have a breaking

annually

3.14.6 e)

Mo4,Mu**	3.14.6 f)			l, it shall be protected fro	
		acco	rdance with the	manufacturer's recomm	ended procedures
	LH		Wire	HMPE rope (Single	HMPE Core (Braid on
				braid)	braid)
	under 8.5m	(28')	3mm (1/8")	4mm (5/32")	4mm (5/32")
	8.5m - 13m		4mm	5mm (3/16")	5mm (3/16")
	0.5 25		(5/32")	311111 (3/10 )	5/11/1 (5/10 )
	over 13m (4 8")	2'	5mm (3/16")	5mm (3/16")	5mm (3/16")
	3.15	Mult	tihull Nets or	Trampolines	
Mu0,1,2,3,4	3.15.1	The	words "net" an	d "trampoline" are intercl	nangeable. A net shall be:
Mu0,1,2,3,4	3.15.1 a)		ntially horizonta		5
Mu0,1,2,3,4	3.15.1 b)		•		ermeable fabric, or mesh with
, _ , _ , _ , .					mension. Attachment points
		-	-		between a net and a boat
			•	of foot trapping	r between a net and a boat
Mu0,1,2,3,4	3.15.1 c)				e and longitudinal support lines
14u0,1,2,3,4	3.13.1 C)		•	tched to a bolt rope	e and longitudinal support lines
MO 1 2 2 4	2 1 5 1 4				in mannedauline annelitiana
Mu0,1,2,3,4	3.15.1 d)				er in normal working conditions
				capsize when the boat is	inverted.
	3.15.2			ouble Crossbeams	
	3.15.2				e nets on each side covering:-
Mu0,1,2,3,4	3.15.2 a)		•	the crossbeams, central	55
Mu0,1,2,3,4	3.15.2 b)				ntral pulpit, the mid-point of
		each	forward crossl	peam, and the intersectio	n of the crossbeam and the
		centi	ral hull		
Mu0,1,2,3,4	3.15.2 c)	the t	riangles formed	by the aftermost part of	f the cockpit or steering
. , . ,	,		_		point of each after crossbeam,
					ne central hull; except that:-
Mu0,1,2,3,4	3.15.2 d)				ckpit coamings and/or lifelines
, = , = , = , .	0.20.2 4,		• •	•	height requirements in OSR
		3.14		op.,	neight requirements in eart
	3.15.3		narans with S	ingle Crossbeams	
Mu0,1,2,3,4	0.120.0				e nets between the central hull
1100,1,2,3,1				on each side between tw	
					ger, respectively to the aft end
					iftermost point of the cockpit or
	2 16			the central hull (whichev	rei is furthest art)
M. 0 1 2 2 4	3.16		nmarans	and the same state of the same	4-64-
Mu0,1,2,3,4	3.16			ave nets covering the are	ea defined:
Mu0,1,2,3,4	3.16 a)		ally by the hulls	•	
Mu0,1,2,3,4	3.16 b)	_	• •		the forestay base, and the
			•		ft. However, a catamaran with
			•	on-immersed) may satisfy	the regulations for a trimaran
	3.18	Toile			
MoMu0,1,2	3.18.1	Perm	nanently installe	ed toilet	
	3.19	Bun	ks		
MoMu1,2,3,4	3.19.2	Perm	nanently installe	ed bunks	
	3.20	Coo	king Facilities	•	
MoMu0,1,2,3	3.20.1		_		e of being operated safely at
, , ,			with fuel shuto		,
	3.21	-		anks & Drinking Wate	<b>r</b>
	3.21.1		king Water T	_	
MoMu2,3	3.21.1		_	ed delivery pump and wa	ter tank(s)
101102,5	<b>3.21.3</b>		ergency Drink		co. carin(o)
MoMu1,2,3	3.21.3			_	r emergency use in a dedicated
1 101 101,2,3	J.21.J		•	er or container(s)	chicigency use in a dedicated
		anu	scaled Colliality	a or container(s)	

	3.22	Hand Holds
**	3.22.1	Adequate hand holds fitted below deck
	3.23	Bilge Pumps and Buckets
**	3.23.1 a)	two strong buckets, each with a lanyard and of at least 9 I (2.4 US Gal)
	•	capacity
Mo3Mu0,1,2	3.23.1 b)	one permanently installed manual bilge pump
Mu0,1,2,3,4	3.23.1 c)	provision to pump out all watertight compartments (except those filled with
		impermeable buoyancy).
**	3.23.2	All required permanently installed bilge pumps shall be operable with all
		cockpit seats, hatches and companionways shut and with permanently
		installed discharge pipe(s) of sufficient capacity
**	3.23.3	Bilge pumps shall not be connected to cockpit drains and shall not
slasla	2.22.4	discharge into a Closed Cockpit
**	3.23.4	Bilge pumps shall be readily accessible for maintenance and for clearing out
**	2 22 5	debris
ጥጥ	3.23.5	All removable bilge pump handles retained by a lanyard
MaMO 1 2 2	<b>3.24</b>	Compass
MoMu0,1,2,3	3.24	Marine magnetic compass capable of being used as a steering compass:
MoMu0,1,2,3,4	3.24 a)	Permanently installed marine magnetic steering compass, independent of
MaMuO 1 2 2	2 24 6)	any power supply, correctly adjusted with deviation card
MoMu0,1,2,3	3.24 b) <b>3.25</b>	a second compass which may be hand-held and/or electronic <b>Halyards.</b>
**	3.25 3.25	A minimum of two halyards, each capable of hoisting a sail, on each mast
	3.27	Navigation Lights
**	3.27.1	mounted above sheerline and so that they will not be masked by sails or
	5.27.1	the heeling of the boat
**	3.27.2	having light intensity meeting COLREGS. When incandescent bulbs are used
	3.27.2	the minimum power rating shall be:
**	3.27.2 a)	For LH less than 12 m (39'-4"), 10 W
**	3.27.2 b)	For LH 12 m (39'-4") and greater, 25 W
MoMu0,1,2,3	3.27.3	reserve lights having the same specifications as above, and that can be
, , ,		powered independently
**	3.27.4	spare bulbs (not required for LED)
	3.28	Engines, Generators, Fuel
	3.28.1	Propulsion Engines
**	3.28.1 a)	engines and associated systems installed in accordance with their
		manufacturers' guidelines and suitable for the size and intended use of the
		boat
MoMu0,1,2,3	3.28.1 b)	an engine which provides a minimum speed in knots of (1.8 x $\sqrt{LWL}$ in
	2.22.4 \	metres) or (√ LWL in feet)
Mu1,2,3	3.28.1 c)	inboard engine, however if less than 12.0 m (39'-4") LH either an inboard
		engine, or an outboard engine together with permanently installed fuel
**	2 20 1 4)	supply systems and fuel tank(s)
	3.28.1 d)	an inboard engine shall have a permanently installed exhaust, cooling system, fuel supply, fuel tank(s) and shall have adequate heavy weather
		protection
	3.28.2	Generator
**	3.28.2	If an optional generator separate from the propulsion engine is carried, it
	3.20.2	shall be installed in accordance with the manufacturer's guidelines
	3.28.3	Fuel Systems
MoMu0,1,2,3	3.28.3 a)	All fuel tanks shall be rigid (but may have permanently installed flexible
· · · · · · · · · · · · · · · · · · ·		linings) and shall have a shutoff valve
MoMu0,1,2,3	3.28.3 b)	At the start a boat shall carry sufficient fuel to meet charging requirements
, , ,-	• ,	for the duration of the race and to motor at the above minimum speed for
		at least 8 hours

	3.28.4	Battery Systems
MoMu0,1,2,3	3.28.4 a)	a dedicated engine starting battery when an electric starter is the only
		method for starting the engine
MoMu0,1,2,3	3.28.4 b)	batteries installed after 2011 shall be of the sealed type from which liquid
	2.20	electrolyte cannot escape
M-M.,0 1 2 2	3.29	Communications Equipment, GPS, Radar, AIS
MoMu0,1,2,3	3.29.01	a marine radio transceiver with an emergency antenna when the regular
ΜοΜυθ 1 2 2	3.29.02	antenna depends upon the mast if the marine radio transceiver is a VHF:
MoMu0,1,2,3 MoMu0,1,2,3	3.29.02 3.29.02 a)	
MoMu0,1,2,3 MoMu0,1,2	3.29.02 a) 3.29.02 b)	a minimum rated output power of 25 W a masthead antenna not less than 38 cm (15") in length and co-axial feeder
1401410,1,2	3.23.02 0)	cable with not more than 40% power loss
MoMu1,2,3	3.29.02 c)	be DSC capable if installed after 2015
MoMu1,2,3	3.29.02 d)	DSC capable VHF transceivers shall be programmed with an assigned MMSI
1101141,2,5	3.23.02 d)	(unique to the boat), be connected to a GPS receiver and be capable of
		making distress alert calls as well as sending and receiving a DSC position
		report with another DSC equipped station
MoMu1,2,3,4	3.29.05	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)
**	3.29.06	a second radio receiver, which may be the handheld VHF in 3.29.5 above,
		capable of receiving weather bulletins
Mo0,1,2 Mu1,2	3.29.13	an AIS Transponder which either:
MoMu0,1,2	3.29.13 a)	shares the masthead VHF antenna via a low loss AIS antenna splitter; or
MoMu0,1,2	3.29.13 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 (Loss Estimator)
SECTION 4 - P	PORTABLE EQ	
		A boat shall have:
	4.01	Sail Letters & Numbers
**	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
	4.02	sails are set
Mot Mut 2	<b>4.02</b>	Search and Rescue Visibility  A 1 m2 (11 ft2) solid area of highly visible pink, orange or vellow capable of
Mo1,Mu1,2	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
$\Gamma IUU_{I}I_{I}Z_{I}J_{I}T$	1.02.2	the boat is inverted
	4.03	Soft Wood Plugs

**	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
_	4.02	Search and Rescue Visibility
Mo1,Mu1,2	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
	4.03	Soft Wood Plugs
**	4.03.1	A tapered soft wood plug stowed adjacent to every through-hull opening
	4.04	Jackstays and Clipping Points
MoMu0,1,2,3	4.04	Permanently Installed fittings for jackstay ends and clipping points
MoMu0,1,2,3	4.04.1	Jackstays which shall:
MoMu0,1,2,3	4.04.1 a)	be independent on each side of the deck
MoMu0,1,2,3	4.04.1 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	4.04.1 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	4.04.2	Clipping points which shall:
MoMu0,1,2,3	4.04.2 a)	be adjacent to stations such as the helm, sheet winches and masts, where crewmembers work
MoMu0,1,2,3	4.04.2 b)	enable a crewmember to clip on before coming on deck and unclip after going below
MoMu0,1,2,3	4.04.2 c)	enable two-thirds of the crew to be simultaneously clipped on without depending on jackstays

Mu0,1,2,3	4.04.2 d)	on a trimaran with a rudder on the outrigger, permit a crewmember to repair the steering mechanism whilst attached to a clipping point
	4.05	Fire Fighting Equipment
**	4.05.1	A fire blanket adjacent to every cooking device with an open flame
MoMu1,2,3	4.05.2	2 fire extinguishers, each with 2 kg each of dry powder or equivalent, in different parts of the boat
	4.06	Anchors
MoMu1,2,3	4.06	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.
1.1	4.07	Flashlights and Searchlights
**	4.07	Watertight lights with spare batteries and bulbs as follows:
MoMu0,1,2,3	4.07 a)	a searchlight, suitable for searching for a person overboard at night and for collision avoidance
MoMu0,1,2,3	4.07 b)	a flashlight in addition to 4.07 a)
	4.08	First Aid Manual and First Aid Kit
**	4.08.1	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
	4.09	Foghorn
**	4.09.1	A foghorn
	4.10	Radar Reflector
**	4.10.1	A passive radar reflector with:
**	4.10.1 a)	octahedral circular plates of minimum diameter 30 cm (12"), or
**	4.10.1 b)	octahedral rectangular plates of minimum diagonal dimension 40 cm (16"), or
**	4.10.1 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
	4.11	Navigation Equipment
**	4.11.1	Navigational charts (not solely electronic), light list and chart plotting equipment
	4.12	Safety Equipment Location Chart
**	4.12.1	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
	4.13	Depth, Speed and Distance Instruments
MoMu0,1,2,3	4.13.1	A knotmeter or distance measuring instrument (log)
MoMu,1,2,3,4	4.13.2	A depth sounder
	4.14	Spare Number
	4.15	Emergency Steering
MoMu0,1,2,3	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
MoMu0,1,2,3	4.15.2	A proven method of emergency steering with the rudder disabled
	4.16	Tools and Spare Parts
**	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
dede	4.17	Boat's name
**	4.17.1	The boat's name on miscellaneous buoyant equipment, such as lifejackets, cushions, lifebuoys, recovery slings, grab bags etc.
	4.18	Retro-reflective material
**	4.18	Marine grade retro-reflective material on lifebuoys, recovery slings, liferafts and lifejackets

	4.19	EPIRBs
MoMu1,2	4.19.1	A water and manually activated 406 MHz EPIRB
MoMu0,1,2	4.19.2	A 406 MHz EPIRB registered after 2015 shall include an internal GPS
MoMu0,1,2	4.19.3	All EPIRBs registered with the appropriate authority associated with the
1101100,1,2	1.13.3	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
	4.20	Liferafts
	4.20.1	Liferaft Construction
MoMu1,2	4.20.1 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	4.20.1 a) i	SOLAS LSA Code 1997 Chapter IV or later version; or
MoMu1,2	4.20.1 a) ii	ISO 9650-1:2005, Type 1, Group A - Small Craft - Inflatable; or
MoMu1,2	4.20.1 a) iii	ISAF liferafts manufactured before 2016 until replacement is due at end of service life; or
MoMu1,2	4.20.1 a) iv	ORC liferafts manufactured before 2003 until replacement is due at end of
,	,	service life
	4.20.2	Minimum Liferaft Equipment
MoMu0,1,2	4.20.2 a)	A SOLAS liferaft shall contain as a minimum a SOLAS A pack;
MuMo2	4.20.2 c)	An ISO 9650 liferaft shall contain as a minimum Pack 2 (less than 24 hour
		pack);
MoMu1,2	4.20.2 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
MaMul 2	4 20 2 4) :	shall be in a readily accessible location:
MoMu1,2 MoMu1,2	4.20.2 d) i 4.20.2 d)ii	Portable buoyant bailer easily operable by hand 2 sponges
MoMu1,2 MoMu1,2	4.20.2 d)iii 4.20.2 d)iii	Pair of buoyant paddles with handles (not mitts) tied into raft adjacent to
1101111,2	7.20.2 u jiii	an entrance
MoMu1,2	4.20.2 d)iv	Whistle
MoMu2	4.20.2 d)v	Waterproof torch with 6 h duration and
MoMu2	4.20.2 d)vi	Spare waterproof torch or spare battery and bulb
MoMu1,2	4.20.2 d)vii	Signalling mirror
MoMu1,2	4.20.2 d)viii	6 anti-seasickness pills per person *
MoMu1,2	4.20.2 d)ix	Seasickness bag per person, each with a simple, effective, closure system *
MoMu2	4.20.2 d)x	3 hand flares in accordance with SOLAS LSA Code Chapter III, 3.2.
MoMu1,2	4.20.2 d)xi	2 red parachute flares in accordance with SOLAS LSA Code Chapter III, 3.1.
		1 may be stowed in the grab bag.
MoMu1,2	4.20.2 d)xii	Kit to repair leaks in most inflatable compartments, operable in wet
M M 4 2	4 20 2 1) '''	conditions and during violent motion
MoMu1,2	4.20.2 d)xiii	Hand operable air pump, capable of and ready for immediate use to inflate
MaMul 2		most compartments. Loose parts captive to the pump.
MoMu1,2	4.20.3	* may be packed in grab bag instead of liferaft  Liferaft Packing and Stowage
MoMu0,1,2	4.20.3 4.20.3 a)	Each liferaft shall be packed either in:-
MoMu0,1,2	4.20.3 a) i	a rigid container securely stowed on the working deck, in the cockpit or in
1101100,1,2	1.20.3 a) 1	an open space; or:-
MoMu0,1,2	4.20.3 a) ii	a rigid container or valise securely stowed in a dedicated weather tight
	0.0 a,	locker containing liferaft and abandon ship equipment only which is readily
		accessible and opens onto the cockpit or working deck, or transom
MoMu1,2	4.20.3 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	4.20.3 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	4.20.3 d)	The end of each liferaft painter should be securely fastened to the boat

MoMu0,1,2	4.20.3 e)	Each raft shall be capable of being got to the lifelines or launched within 15 seconds
	4.20.4	Spare Number
MaMiiO 1 2	4.20.5	•
MoMu0,1,2		Liferaft Servicing
MoMu0,1,2	4.20.5 a)	A liferaft shall be serviced at a manufacturer authorized service station at
		the following maximum intervals:
MoMu0,1,2	4.20.5 a) i	SOLAS liferafts annually
MoMu0,1,2	4.20.5 a) ii	ISO 9650 canister packed liferafts every 3 years
MoMu0,1,2	4.20.5 a) iii	ISO 9650 valise packed liferafts every 3 years except that hired liferafts
		shall be serviced annually
MoMu0,1,2	4.20.5 a) iv	ISAF liferafts annually
MoMu0,1,2	4.20.5 a) v	ORC liferafts annually
MoMu0,1,2	4.20.5 b)	Servicing certificates (original or a copy) on board
	4.21	Grab Bags
**	4.21 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
	4.22	Crew Overboard Identification and Recovery
	4.22.1	Locator Beacons
MoMu0,1,2	4.22.1 b)	An AIS personal crew overboard beacon for each crew member
MoMu0,1,2	4.22.1d)	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
MoMu1,2	4.22.2 c)	A GPS capable of recording a crew overboard position, within 10 seconds,
1101111,2	1.22.2 ()	and monitoring that position
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
14014100,1,2	7.22.7	immediate use, a second lifebuoy equipped with:
MaMuO 1 2	4 22 4 5)	
MoMu0,1,2	4.22.4 a)	a whistle, a drogue, a self-igniting light and
MoMu0,1,2	4.22.4 b)	a pole and flag. The pole shall be either permanently extended or be
MaM0 1 2	4 22 5	capable of being fully automatically extended
MoMu0,1,2	4.22.5	At least one lifebuoy shall depend entirely on permanent buoyancy (e.g.
ىلە بلە	4.22.6	foam)
**	4.22.6	Each inflatable lifebuoy and any automatic device shall be tested and
to t		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	4.22.8	A recovery sling which includes a:
MoMu0,1,2,3	4.22.8 a)	buoyant line of length no less than the shorter of 4 times LH or 36m (120')
MoMu0,1,2,3	4.22.8 b)	buoyancy section (horseshoe) with no less than 90 N (20#) buoyancy
MoMu0,1,2,3	4.22.9 c)	minimum strength capable to hoist a crewmember aboard
	4.23	Pyrotechnic and Light Signals
**	4.23.1	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.
	Race Catego	ory Red Hand Flares LSA III 3.2 Orange Smoke Flares LSA III 3.3

Race Category	Red Hand Flares LSA III 3.2		Orange Smoke Flares LSA III 3.3
MoMu0,1,2,3	4		2
MoMu4			2

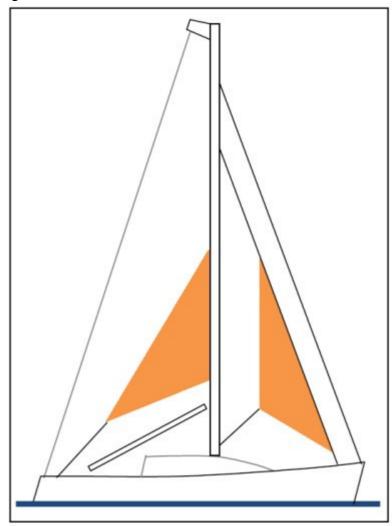
Spare Number Cockpit Knife 4.24

4.25

A strong, sharp knife, sheathed and securely restrained shall be provided \*\* 4.25.1 readily accessible from the deck or a cockpit.

# Storm & Heavy Weather Sails Design Figure 3 4.26

4.26.1



**	4.26.1 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)
**	4.26.1 b)	Aromatic polyamides, carbon and similar fibres shall not be used in a trysail or storm jib but HMPE and similar materials are permitted
**	4.26.1 c)	Sheeting positions on deck for each storm and heavy-weather sail
**	4.26.1 d)	Sheeting positions for the trysail independent of the boom
**	-	
	4.26.2	Sail Areas
**	4.26.2	The maximum area of storm sails shall be lesser of the areas below or as specified by the boat designer or sailmaker
MoMu0,1,2,3	4.26.2 a)	A heavy-weather jib (or heavy-weather sail in a boat with no forestay) with:
**	4.26.2 a) i	area of 13.5% height of the foretriangle (IG) squared
**	4.26.2 a) ii	readily available means, independent of a luff groove, to attach to the stay
MoMu0,1,2	4.26.2 b)	A storm jib with:
MoMu0,1,2	4.26.2 b) i	area of 5% height of the foretriangle (IG) squared
MoMu0,1,2	4.26.2 b) ii	maximum luff length 65% of IG
MoMu0,1,2	4.26.2 b) iii	permanently attached means, independent of a luff groove, to attach to the stay
**	4.26.2 c)	For sails made after 2011: Storm and heavy weather jib areas calculated
		as: $(0.255 \times \text{luff length } \times (\text{luff perpendicular} + 2 \times \text{half width}))$
MoMu0,1,2	4.26.2 d)	A storm trysail (or rotating wing mast if suitable) with:
MoMu0,1,2	4.26.2 d) i	area of 17.5% mainsail hoist (P) x mainsail foot length (E)
MoMu0,1,2	4.26.2 d) ii	For sails made after 2011: The storm trysail are calculated as $(0.5 \text{ x leech length x shortest distance between tack point and leech})$

MoMu0,1,2	4.26.2 d) iii	no headboard
MoMu0,1,2	4.26.2 d) iv	no battens
MoMu0,1,2	4.26.2 d) v	sail number and letters on both sides, as large as practicable
MoMu0,1,2	4.26.2 d) vi	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
	4.28	Spare Number
	4.29	Deck Bags
		SECTION 5 - PERSONAL EQUIPMENT
**		Each crew member shall have:
	5.01	Lifejacket
**	5.01.1	A lifejacket which shall:
**	5.01.1 a)	<b></b>
**	5.01.1 a)i)	if manufactured before 2012 comply with ISO 12402 - 3 (Level 150) or
	3.01.1 4)1)	equivalent, including EN 396 or UL 1180 and:
**	5.01.1 a)i)	if inflatable have a gas inflation system
**	5.01.1 a)i)	have crotch/thigh straps (ride up prevention system (RUPS))
MoMu0,1,2	5.01.1 a)i)	have an integral safety harness in compliance with OSR 5.02
**	5.01.1 a) ii	if manufactured after 2011 comply with ISO 12402-3 (Level 150) and be
	3.01.1 a) II	fitted with a whistle, lifting loop, reflective material automatic/manual gas
		inflation system
**	5.01.1 a) ii	•
	5.01.1 a) ii	crotch/thigh straps (ride up prevention system (RUPS)) an integral safety harness in compliance with OSR 5.02
MoMu0,1,2 MoMu0,1,2,3	•	have an emergency position indicating light in accordance with either ISO
14101410,1,2,3	5.01.1 b)	12402-8 or SOLAS LSA code 2.2.3
**	E 01 1 c)	
	5.01.1 c)	be clearly marked with the boat's or wearer's name
MoMu0,1,2,3	5.01.1 d)	have a sprayhood in accordance with ISO 12402-8
MoMu0,1,2,3	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.
MoMu0,1,2	5.01.3	A boat shall carry at least one spare lifejacket as required in OSR 5.01.1
**	5.01.4	The person in charge shall personally check each lifejacket at least once
	3.01.4	annually.
	5.02	Safety Harness and Tethers
MoMu0,1,2,3	5.02.1	A harness that complies with ISO 12401 or equivalent
1401440,1,2,3	5.02.1	A tether that shall:
MoMu0,1,2,3	5.02.2 a)	comply with ISO 12401 or equivalent
MoMu0,1,2,3	5.02.2 b)	not exceed 2 m (6'-6") including the length of the hooks
1401400,1,2,3	5.02.2 c)	have self-closing hooks
■ MoMu0,1,2,3	5.02.2 d)	have overload indicator flag embedded in the stitching
MoMu0,1,2,3	5.02.2 d) 5.02.1 e)	be manufactured after 2000
MoMu0,1,2,3	5.02.1 e) 5.02.3	All of the crew shall have either:
MoMu0,1,2,3 MoMu0,1,2,3	a)	a tether not exceeding 1m(3'3") including the length of the hooks, or
■ MoMu0,1,2,3 MoMu0,1,2,3	<mark>b)</mark> 5.02.4	an intermediate self-closing hook on a 2 m (6'-6") tether  A tether which has been overloaded shall be replaced
1110111110,1,2,3	5.02.4 <b>5.07</b>	Survival Equipment
	5.08	• •
	2.00	Diving Equipment

		SECTION 6 - TRAINING
MoMu0,1,2	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
MoMu0,1,2	6.01.4	Except as otherwise provided in the Notice of Race, an in-date certificate
		gained at a World Sailing / ISAF 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.
	6.02	Training Topics
	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
**	<b>6.04</b>	Routine Training On-Board
**	6.04	At least annually the crews shall practice the drills for:
**	6.04 6.04	Crew-Overboard Recovery Abandonment of vessel
	6.05	Medical Training
MoMu2	6.05.2	At least one crewmember shall have a valid first aid certificate completed
MOMUZ	0.03.2	within the last five years meeting:
MoMu0,1,2	6.05.2 a)	A certificate listed on the World Sailing website www.sailing.org/specialregs
1401400,1,2	0.03.2 a)	of MNA recognised courses
MoMu0,1,2	6.05.2 b)	STCW First Aid Training complying with A-VI/1-3 - Elementary First Aid or
1101100,1,2	0.03.2 b)	higher STCW level
	6.06	Diving Training
	0.00	APPENDICES TO SPECIAL REGULATIONS
		Appendix A - Moveable and Variable Ballast
		Appendix B - For Inshore Racing
		Appendix C - For Inshore Dinghy Racing
		Appendix D - A guide to ISO and other Standards
		Appendix E - World Sailing Code for the organisation of Oceanic
		Races
		Appendix F - Standard Inspection Card
		Appendix G - Model Training Course
		Appendix H - Model First Aid Training Course
		Appendix J - Hypothermia
		Appendix K - Drogues and sea anchors

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