

AUSTRALIAN SAILING (AS)
SPECIAL REGULATIONS EQUIPMENT AUDIT FORM



CATEGORY 3		MULTIHULLS	For Offshore races across open water which is relatively protected or close to shorelines
DATE OF AUDIT / /	SAIL NO:	BOAT NAME:	

This section to be completed and **ticked or initialled** by person in charge (P) and auditor(A). If item not applicable, mark 'n/a' or dash '-'

Reg	Structural Fixed Deck Items	P	A
2.03.1	Equipment functions & adequate for intended use		
2.03.2	Ballast & heavy equipment secured		
3.01 - 3.05	Section 3 Part 1 – Structural Features, Stability. See Keel and Rudder Inspection Form, and Organising Authority requirements		
3.06.3	2 exits for each hull		
3.06.4 LH ≥12m	(a) 1 x escape hatch per hull with accommodation for ingress/egress in event of inversion		
	(b) Age/Series Date 07/2010 or later, exit hatch clearance ≥450mm		
	(c) First launch on or after 01/2003, each escape hatch to comply with 3.06.4(b)		
	(d) When inverted each escape hatch above waterline		
	(e) If first launched on or after 01/2001, each escape hatch to be at or near midships station		
	(f) Catamaran first launched on or after 01/2003 each escape hatch on side of hull nearest centreline		
	(g) Catamaran first launched on or after 01/2003 with central nacelle, underside handholds for all crew		
	(i) Trimaran first launched on or after 01/2003, at least 2 escape hatches as per with 3.06.4(b)		
	(j) Trimaran, handholds underside around central hull for all crew		
	(k) Each escape hatch to have been opened at least once from inside & outside within 6 months of race		
3.06.5 LH <12m	Age Date on or after 07/2006: Exit hatches to comply with 3.06.4(b)		
	Age Date before 07/2006: (a) Each accommodation hull to have tools secured by line & clip to cut escape hatch; and		
	(a) Each accommodation hull to have tools secured by line & clip to cut escape hatch (b) Each hull at escape hatch cut out position, sign inside & out "ESCAPE CUT HERE"		
3.07.1	No hatches forward of maximum beam open inwards except if size < 0.071 m ²		
3.07.2	(a)(i) Hatches above water when heeled 90°		
	(a)(iii) Non-conforming hatches; size < 0.071 m ²		
3.07.3	(a)(iii) Non-conforming hatches kept shut while racing		
	(b) Hatches capable of being immediately shut; permanently attached lid		
3.07.4	Non-conforming hatches labelled 'Not to be opened at sea'		
	Blocking device for low sill companionway		
	(a) Companionway hatch securing arrangement		
	(i) Operable from above and below		
	(ii) Functions independently of blocking devices		
	(b) Blocking devices (e.g. washboards)		
	(i) Capable of being retained with hatch open or shut		
3.08.1	(ii) Secured to boat (e.g. by lanyard)		
	(iii) Permit exit in event of inversion		
	Cockpit strong, self-draining, & watertight (3.08.2)		
3.08.3	Bilge pump outlet not connected to cockpit drain		
3.08.8	Minimum drain sizes 20cm ² per m ² cockpit		
3.12.1	(a) Lifelines, stanchions, pulpits effectively continuous deck barrier		
	(b) Minimum heights of lifelines and pulpit rails above working deck, note 1993 Primary Launch or LH ≤ 8.5m		
	(c) Lifelines supported at intervals ≤ 2.20m		
	(d) Pulpits & stanchions permanently installed		
	(e) Pulpit & stanchion bases not inboard by > 150 mm or 5% of Bmax nor outboard of working deck		
	(f) Stanchions straight, vertical; first 50 mm ≤ 10 mm displ. and angle < 10 deg. from 50 mm above deck		
	(g) Bow pulpit opening does not exceed 360mm		
	(h) If applicable, lifelines set inside bow pulpit are adequately braced and terminated		

3.12.2	(i) Lifelines taut with 4kg applied; ≤ 50mm for upper, ≤ 120mm for intermediate		
	If design makes it impractical to follow SR for lifeline system, follow as closely as possible to minimise risk of falling overboard		
3.12.6	(a) Lifelines uncoated stainless steel wire, or		
	(a)(iii) HMPE rope of minimum diameter		
	(b) Loose sleeve permitted		
	(d) Gap secured by lanyard ≤ 100 mm; Lanyard replaced annually		
3.13.1	(e) Total lifeline system ≥ strength of required wire		
	Lifeline size minimum: LH < 8.5 m: 3 mm; LH 8.5 m – 13 m: 4 mm; LH > 13 m: 5 mm		
	Nets:		
	(a) Essentially horizontal		
	(b) Webbing or woven mesh, openings ≤ 50.8mm, no risk of foot trapping at hull net junction		
3.13.2	(c) Solidly fixed at regular intervals; fine stitched to bolt rope		
	(d) Able to carry full crew weight, upright or inverted		
	(e) Individual tie points, not more than 4 per connecting line		
	Trimaran Net Double Crossbeam	Nets on each side: (a) Central hull to outriggers (b) Aft of central pulpit to mid forward crossbeam (c) Furthest aft of centre cockpit or steering position to mid aft crossbeam (d) 3.13.2(c) does not apply if coamings &/or lifelines height complies with 3.12.5	
3.13.3	Trimaran Net Single Crossbeam	Nets between central hull & outriggers, aft end of pulpit, and furthest aft end of cockpit or steering position	
3.13.4	Catamarans	Total net surface limited: (a) Laterally by hulls (b) Longitudinally by forestay base & boom end, but non-immersed central nacelle may satisfy tri requirements	
3.20.2	Provision to pump out all watertight compartments except if impermeable buoyancy		
3.20.3	1 manual bilge pumps operable with boat/seats shut		
3.20.6	Bilge pump not to discharge into closed cockpit		
3.20.7	Bilge pump not connected to cockpit drains		
	(a) Bilge pump minimum suction bore 25 mm		
3.20.8	(b) Bilge pump & strum boxes accessible		
3.21.1	Pump handle each with lanyard or catch unless permanently fitted		
3.21.2	Marine magnetic compass permanently installed, non-electric		
3.23	Spare magnetic compass non-electric (portable ok)		
3.24.4	Navigation lights carried complying with IRPCAS		
3.25.4	If using outboard motor, provision for it being mounted at all times (may be raised but not removed)		
	(b) Masthead VHF antenna		
3.28.1	Hull Identification, min 50 mm; name & state rego; OR name, sail number & club		
3.28.3	Underside ≥ 2 x 1 m ² coloured patches		
4.01.1	Sail numbers as per RRS 77 and Appendix G		
4.03.1	(a), (d), & (e) Jackstay attachments port/starboard, strong, through bolted (not around stanchion bases)		
	(c) At least 2 jackstays fitted on underside		
4.03.2	(a) Clipping points through bolted or welded deck plates or other suitable strong points		
	(b) Positioned to clip/unclip from below and move between cockpit and deck		

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4.03.2	(c) Clipping points for 2/3 crew (d) Trimaran – If rudder on outrigger, clipping points, not part of deck gear or steering mechanism, crew can reach steering mechanism on outriggers clipped on		
Reg	Structural/Fixed Items Below	P	A
3.09.1	(a) Seacocks permanently installed		
3.11	(b) Plugs for each opening attached or stowed nearby		
3.15.2	Keel stepped mast; heel securely fastened		
3.16.1	Toilet or securely fastened bucket		
3.17.1	Bunks, securely fastened, sufficient 50% of crew		
3.17.2	Cooking stove/heating appliance safe use in seaway e.g. Gimballed with accessible shutoff		
3.17.3	Gas or methylated spirits only fuels for cooking		
3.17.4	(a) "REMEMBER Turn Off Gas At Bottle" sign		
3.17.5	(b) Gas detection for permanent pilot light		
3.17.6	Disposable gas canisters ≤ 225 grams		
3.17.7	Gas bottle, spare canisters in separate compartment ventilated overboard		
3.18.3	Galley - suitable facilities. AS Interpretation 26/07/18 - Sink not required		
3.19.1	Watermaker permitted (in lieu of carrying water at start)		
3.24.3	1 permanently installed water tank (age date ≥ 07/98)		
3.24.6	Handholds below decks		
3.24.7	Inboard engine to SR 3.24.1, OR outboard engine with tanks, fuel supply; all securely fastened		
3.24.8	Dedicated starter battery if electric starter is only method of starting		
3.25.1	Separate generators, if carried, securely covered and permanently installed		
3.25.2	Fuel tank shut off valve/cock if fuel can escape or siphon		
3.29.1	(a) Petrol tanks – see regulation		
3.30	(b) Diesel tanks metal or other certified material		
4.05.1	(c) Fuel lines comply		
4.05.2	(d) Outboard tanks secured on deck or ventilated compartment; manufacturer supplied or recognised national standard		
4.05.3	(e) Petrol not below decks in portable containers		
4.05.4	(f) Flexible fuel tank not permitted		
4.05.5	(b)(i) Permanently installed VHF transceiver (new installations DSC capable)		
4.05.6	DSC HF & VHF: programmed with MMSI, connected to GPS, capable send/receive alerts – See Marine Communications Inspection Form		
4.05.7	Batteries sealed type; electrolyte cannot escape		
4.05.8	(c) AIS transponder (from 01/07/2022)		
4.05.9	(d) & (e) Programmed MMSI & yacht name – See Marine Communications Inspection Form		
4.05.10	GPS permanently installed		
4.05.11	Depth sounder		
4.05.12	Log (other than GPS)		
Reg	Portable Equipment	P	A
3.18.4	Emergency water 1 litre per crew additional		
3.20.9	2 x 8 litre buckets, stout construction with lanyard		
3.23.4	Reserve navigation lights, independent of main power		
3.23.5	Spare bulbs except for multiple LED array		
3.25.1	(b)(ii) Handheld VHF transceiver; waterproof		
3.25.5	(a) Emergency VHF antenna		
3.25.7	Two means of receiving weather bulletins		
4.01.2	Portable sail number on separate cloth with lanyards		
4.03.1	(b) Jackstays (1 port, 1 starboard); strength & materials as per regulation		
4.04.1	2 x fire extinguishers 1A:10BE dry powder min or equiv.		
4.04.4	Fire blanket (for cooking device with open flame)		
4.05.1	(a) Anchors & ground tackle as per Table 1		

	(b) Anchor & warp sizes Table 2 or Table 3 Anchor 1 Type.....kg/size..... Anchor 2 Type.....kg/size.....		
4.06.1	(c) Primary anchor assembled, attached to tackle (i) Watertight spotlight; spare batteries & bulbs if replaceable (ii) 2 x flashlight floating type; spare batteries & bulbs if replaceable		
4.07.2	First Aid Manual (St Johns or Red Cross) (current ed.)		
4.07.4	First aid kit, waterproof container; contents listed;		
4.07.9	alternative brands permitted		
4.07.9	First aid contents as per list at end of this form		
4.10.1	Charts (may be solely electronic), plotting equipment		
4.10.2	Collision Regulations; electronic or hard copy		
4.10.3	Current AS "Racing Rules of Sailing" and "Special Regulations Part 1"; electronic or hard copy		
4.14.1	Emergency tiller if not tiller steered		
4.14.2	Alternative steering method for rudder loss		
4.15.1	Tools, spares parts, effective way to cut rigging		
4.15.2	Bosun's chair or climbing harness		
4.15.3	Sharp knife sheathed, restrained in or near cockpit		
4.16.1	Name on all buoyant equipment & items		
4.16.2	Personal lifejacket marked to identify owner		
4.17	Retroreflective tape on lifebuoys, lifeslings, liferafts		
4.18.1	(a) 406MHz EPIRB; GPS capable		
4.18.3	(a) Stored in an easily accessible, protected location (c) Regularly tested (d) Registered with relevant authority Crew trained in use of EPIRB		
4.21.1	(a) Lifebuoy; self-igniting light, drogue; in reach; OR Lifesling, self-igniting light; in reach		
4.21.4	Lifebuoys, lifeslings fitted with retroreflective material		
4.21.5	Lifebuoys, lifeslings safety colour		
4.22.1	Waterproof container for flares 4 x red parachute flares 4 x red hand flares 2 x white hand flares 4 x orange smoke flares		
4.23.1	Heaving line minimum 15 m		
4.24.1	(c) Heavy weather jib; area compliant (d) Storm trysail; area compliant OR mainsail reefing 40% of luff		
4.24.2	(a) Trysail and storm jib to be highly-visible colour; OR if purchased before 07/2005, patches 20% of area (b) Sheet positions for storm, heavy weather sail (c) Storm & heavy weather jib means of attachment to stay independent of any luff-groove device (d) Sail numbers both sides trysail (e) Storm trysail to set with in-mast furling mainsail		
4.24.3	(a) Aromatic polyamides, carbon fibre & similar not used for storm jib, trysail		
4.26	Retrieval method of crew from water		
4.27	V Distress sheet or International signal (square/circle)		
4.28.1	Stowage chart, displayed		
5.01.1	(a) Lifejacket ≥ 150N (not "Mae West"), in service; Number (1 per crew) (See regulation for compliance standards) (d) Each lifejacket retro tape, whistle, crotch strap/s		
5.02.1	Safety harness, line with snap hook each end (≤2 m); 1 per crew Number (See regulation for compliance standards)		
5.03	Personal light (strobe or SOLAS LSA 2.2.3); 1 per crew Number		
5.05.1	(b) AIS personal beacon recommended . (May be required by Notice of Race). 1 per crew No (c) AIS personal beacon required for double handed 1 per crew Number		

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4.07.9 First Aid Kit Contents List – within expiry date

NON-PRESCRIPTION	P	A
Paracetamol 500 mg (e.g. Panadol) or Ibuprofen 200 mg (e.g. Nurofen) x 40		
Soluble Aspirin (e.g. Disprin) x 20		
Butterfly or Steristrips (strips of 5) x 10		
Disposable gloves x 20		
Crepe bandages 75 mm x 1.5 m x 2		
Triangular bandage x 1		
Low absorbency non-adherent dressing/plain gauze (e.g. Melolin) x 10		
Band-aids or equivalent rollof bandaid x 20		
Antiseptic skin solution 15 ml (e.g. Betadine) x 1		
Antiseptic cream e.g. Medcream x 1		
Normal saline 250 ml x 1		
Sunscreen 30+ 250 ml x 1		
Seasickness tablets (e.g. Avomine, Travacalm) x 10		
Scissors, stainless steel x 1		
CPR mask or 6 face shields		

END OF FORM

As this form is for national use and portability, please use a separate checklist page for additional club/race organiser requirements

