

Version 1.4– 19 July 2023

AUSTRALIAN SAILING (AS)
SPECIAL REGULATIONS EQUIPMENT AUDIT FORM



CATEGORY 1	MULTIHULLS	For Offshore Races of long distance well offshore
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)(ii) 4 non-conforming hatches permitted; 2 per side, size < 0.071 m ²		
	(a)(ii) Non-conforming hatches kept shut while racing		
3.07.3	(b) Hatches capable of being immediately shut; permanently attached lid		
	Non-conforming hatches labelled 'Not to be opened at sea'		
3.07.4	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		
	(ii) Secured to boat (e.g. by lanyard)		
3.08.1	(iii) Permit exit in event of inversion		
	Cockpit strong, self-draining, & watertight (3.08.2)		
	Bilge pump outlet not connected to cockpit drain		
3.08.3	Minimum drain sizes 20cm ² per m ³ 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		
	(i) Lifelines taut with 4kg applied; ≤ 50mm for upper, ≤ 120mm for intermediate		
3.12.2	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		
	(e) Total lifeline system ≥ strength of required wire		
3.13.1	Nets:		
	(a) Essentially horizontal		
	(b) Webbing or woven mesh, openings ≤ 50.8mm, no risk of foot trapping at hull net junction		
	(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		
3.13.2	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	
3.13.3	Trimaran Net Single Crossbeam	(d) 3.13.2(c) does not apply if coamings &/or lifelines height complies with 3.12.5	
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	
3.20.1	2 manual bilge pumps; 1 above, 1 below operable with boat/seats shut; permanent discharge pipes		
3.20.2	Provision to pump out all watertight compartments except if impermeable buoyancy		
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		
	(b) Bilge pump & strum boxes accessible		
3.20.8	Pump handle each with lanyard or catch unless permanently fitted		
3.21.1	Marine magnetic compass permanently installed, non-electric		
3.21.2	Spare magnetic compass non-electric (portable ok)		
3.23	Navigation lights carried complying with IRLCAS		
3.25.4	(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		
	(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		
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		

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Reg	Structural/Fixed Items Below	P	A
3.09.1	(a) Seacocks permanently installed		
	(b) Plugs for each opening attached or stowed nearby		
3.11	Keel stepped mast; heel securely fastened		
	Toilet, securely installed		
3.15.1	AS Interpretation 11/12/19 - Chemical toilet permitted, securely installed		
3.16.1	Bunks, securely fastened, sufficient 50% of crew		
3.16.2	Lee cloths/restraints for fixed bunks		
3.17.1	Cooking stove/heating appliance safe use in seaway		
3.17.2	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		
	(b) Gas detection for permanent pilot light		
3.17.5	Disposable gas canisters ≤ 225 grams		
3.17.6	Gas bottle, spare canisters in separate compartment ventilated overboard		
3.17.7	Galley - suitable facilities. AS Interpretation 26/07/18 - Sink not required		
3.18.1	2 permanently installed water tanks or divided compartments with pump		
3.18.2	Watermaker permitted (in lieu of carrying water at start)		
3.19.1	Handholds below decks		
3.24.2	Permanently installed engine		
3.24.6	Dedicated starter battery if electric starter is only method of starting		
3.24.7	Separate generators, if carried, securely covered and permanently installed		
3.24.8	Fuel tank shut off valve/cock if fuel can escape or siphon		
3.24.9	(a) Petrol tanks – see regulation		
	(b) Diesel tanks metal or other certified material		
	(c) Fuel lines comply		
3.25.1	Means to communicate a distress situation, either: (a)(i) Permanently installed HF transceiver (new installations DSC capable); OR (a)(ii) Satellite phone, securely fastened, connected to electrical supply, permanent external aerial (b)(i) Permanently installed VHF transceiver (new installations DSC capable)		
3.25.2	DSC HF & VHF: programmed with MMSI, connected to GPS, capable send/receive alerts – See Marine Communications Inspection Form		
3.26	Batteries sealed type; electrolyte cannot escape		
3.27	Barometer fitted		
3.29.1	(a) AIS transponder (d) & (e) Programmed MMSI & yacht name – See Marine Communications Inspection Form		
3.30 & 4.11.3	GPS permanently installed, with MOB function		
4.12	Depth sounder		
4.13.1	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		
	(a) Emergency HF antenna, independent of mast (if HF required)		
	(a) Emergency VHF antenna		
	(a) Emergency satellite phone antenna or other means to maintain sat phone comms, independent of mast (if satellite phone required)		
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)		
	(a) Anchors & ground tackle as per Table 1		
4.05.1	(b) Anchor & warp sizes Table 2 or Table 3 Anchor 1 Type.....kg/size..... Anchor 2 Type.....kg/size.....		
	(c) Primary anchor assembled, attached to tackle		
4.06.1	(i) Watertight spotlight; spare batteries & bulbs if replaceable (ii) 3 x flashlight floating type; spare batteries & bulbs if replaceable		
4.07.1	Ship Captains Medical Guide 21 st ed. or later OR WHO Int'l Medical Guide for Ship (electronic permitted)		
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		
4.08	Foghorn		
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		
4.11.2	Handheld GPS, water resistant, spare battery(s) or alternative means of charging (AS Interpretation 11/12/19 - may be combined handheld VHF)		
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, lifelines, liferafts		
4.18.1	(a) 406MHz EPIRB; GPS capable		
4.18.2	Number of EPIRBs ≥ number of liferafts Number of EPIRBs		
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		
4.18.4	Additional EPIRB(s) in liferaft (<u>x</u> or <u>✓</u> - circle) or accessible location (<u>x</u> or <u>✓</u> - circle)		
4.19.1	Liferaft compliant type as per 4.19.1 and 4.19.2 No. of liferafts..... Total crew capacity.....		
	Liferaft stowage (a)(i) Rigid container; on working deck/cockpit; OR (a)(ii) Rigid container or valise stowed in dedicated locker opening to cockpit/working deck/transom; OR (b) If boat launch before 06/2001, valise ≤40kgs stowed below near companionway permitted (d) Painter should be made fast to strong point (e) Life raft launch time 15 seconds		
4.20.1	A grab bag for each liferaft		
4.21.1	(a) Lifebuoy; self-igniting light, drogue; in reach; OR Lifesling, self-igniting light; in reach (b) Additional lifebuoy, in reach of helmsman (b)(i) Whistle, drogue, self-igniting light (b)(ii) Pole and flag floating 1.8 metres above water, attached to lifebuoy with 3 metres of line		
4.21.2	1 x lifebuoy to be of permanent buoyancy		
4.21.4	Lifebuoys, lifelines fitted with retroreflective material		
4.21.5	Lifebuoys, lifelines safety colour		
	Waterproof container for flares 6 x red parachute flares 4 x red hand flares 2 x white hand flares 4 x orange smoke flares		
4.22.1			
4.23.1	Heaving line minimum 15 m		

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Reg	Portable Equipment	P	A
4.24.1	(a) Storm jib; area compliant		
	(b) Storm trysail; area compliant OR mainsail reefing 50% of luff		
	(c) Heavy weather jib; area compliant		
4.24.2	(a) Trysail and storm jib to be highly-visible colour; OR if purchased before 07/2005, patches 20% of area		
	(b) Sheeting 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; 1 per crew, plus minimum 1 spare (f)(i) Number (1 per crew) Number (minimum 1 spare) Total on board: (See regulation for compliance standards)		
	(d) Each lifejacket retro tape, whistle, crotch strap/s		
	(d) From 1/7/23 - Each lifejacket to have sprayhood		
	(f)(ii) If inflatable, min 1 spare cylinder & (if appropriate) spare auto rearming kit		
5.02.1	Safety harness, line with snap hook each end (≤2 m); 1 per crew Number (See regulation for compliance standards)		
5.02.2	For 30% of crew (i) Tethers 1m long (in addition to 5.02.1) No OR included in 5.02.1 as follows: (ii) 2 m with midpoint clip OR No Twin lines, one ≤ 1 m & second ≤ 2 m No		
5.03	Personal light (strobe or SOLAS LSA 2.2.3); 1 per crew Number		
5.05.1	(a) 406 MHz Personal Locator Beacon (PLB) with GPS; 1 per crew Number (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		
5.05.2	(a) PLB and AIS within battery life (b) Regularly tested (c) Registered with relevant authority (PLB)		
5.05.3	Crew to be trained in use of PLBs and AIS personal beacons		

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		
Glyceryl Trinitrate Spray (e.g., Nitrolingual) x 1		
Butterfly or Steristrips (strips of 5) x 10		
Disposable gloves x 20		
Crepe bandages 75 mm x 1.5 m x 2		
Crepe bandages 100 mm x 1.5 m x 2		
Triangular bandage x 2		
High absorbency non-adherent dressing (e.g. Exu-dry) x 10		
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		
Sterile eye patches x 5		
Clotrimazole cream (e.g. Canesten, Clonea) x 1		
Hydrogel wound dressing 100 g (e.g. Solosite, Duoderm, Purilon) x 1		
Sunscreen 30+ 250 ml x 1		
Anti-diarrhoea treatment i.e. loperamide (pkt) (e.g. Imodium) x 1		
Antacid tabs or liquid (e.g. Mylanta, Gaviscon) x 1		
Electrolyte 4.9 g - pkt of 10 (e.g. Gastrolyte) x 1		
Seasickness tablets i.e. promethazine theoclate (e.g. Avomine) or dimenhydrinate + hyoscine hydrobromide + caffeine (e.g. Travacalm) x 10		
Scissors, stainless steel x 1		
Thermometer, clinical x 1		
Forceps, splinter x 1		
Syringes/needles x 5		
Alcohol swabs x 10		
Splints for arms & legs		
CPR mask or 6 face shields		
PRESCRIPTION	P	A
Codeine 30 mg + Paracetamol 500 mg (e.g. Panadeine Forte) x 20		
Oxycodone 5 mg (e.g. Endone) x 20 or Oxycodone suppositories 30mg (e.g. Proladone) x 10		
Chloramphenicol eye ointment 1% 4 g (e.g. Chlorsig or Chloromycetin) x 1		
Cephalexin 500 mg tabs (e.g. Keflex) x 20		
Silver sulphadiazine cream 100 g (eg Flamazine) x 1		
Antihistamine tablet i.e. promethazine 25 mg (e.g. Phenergan) x 25		
Adrenaline ampoules 1:1000 x 5		
IF NOTICE OF RACE	P	A
***Morphine 10 mg/1 ml x 10		
***Naloxone hydrochloride ampoules 400 mcg/ml x 5		
***Ciprofloxacin 500mg (e.g. Ciproxin, C-Glox) x 14		
***Additional 15 syringes		
***Stapling kit/wound glue		

END OF FORM

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

