

**AUSTRALIAN SAILING (AS)  
2017-2021 SPECIAL REGULATIONS EQUIPMENT AUDIT FORM**



<b>CATEGORY 4</b>	<b>MULTIHULLS</b>	<b>Short Offshore races, close to shore in relatively warm or protected waters, normally held in daylight</b>
DATE OF AUDIT ____/____/____	SAIL NO:	BOAT NAME:

Audit form valid until \_\_\_\_/\_\_\_\_/\_\_\_\_ (annual audit period July 1 to June 30). Expiry dates to be updated as required at bottom of current page to maintain compliance. Subject to spot checks Special Regulation (SR) 2.02.2.

**OWNER DETAILS**

OWNER(S) NAME(S):			
OWNER(S) AS NO(S):		OWNER(S) CLUB(S)	

**BOAT DETAILS**

LH:		BOAT REGISTRATION NO:	
DISPL (tonnes):		MARITIME STICKER ISSUED	YES NO N/A
HULL COLOUR:		DISTINGUISHING MARKS:	
DECK COLOUR:			
MAX CREW:			

**RADIO & EPIRB REGISTRATION**

SR 4.18.1 EPIRB(s) if required by NoR	Registered YES NO	Number of units for boat:	Number to be hired:
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**DECLARATION BY PERSON IN CHARGE**

I have read and understand my obligations as set out in the AS Special Regulations 2017-2021, in particular SRs 1.02.1, 1.02.2, 1.02.3 (Responsibility of the person in charge), and SR 2.03.1 (Function of equipment). I understand that this audit is carried out only as a guide to persons in charge and race organising authorities. I understand that an auditor does not limit or reduce the complete and unlimited responsibility of the person in charge as defined in SRs 1.02.1, 1.02.2, 1.02.3 and 2.03.1. I undertake that I will maintain in good working order all of the boat's equipment as specified in the AS Special Regulations 2017-2021, and ensure it will be on board for each race.

**Signed by Person in Charge:**

**Date:**

**OUTSTANDING ITEMS - The Equipment listed over the page was complete except for the following items**

Outstanding Item	Re-Inspected by	AS Auditor No.	Date

**EQUIPMENT AUDITOR DECLARATION**

I have checked the abovementioned boat in accordance with SR 2.02.2, as summarised in the following list, and the items listed were compliant as per the AS Special Regulations at the time and date of this audit. (Form not to be signed until outstanding items detailed above have been rectified).

<b>Audited by AS NEA/CEA:</b> (print name)	<b>Signed by AS NEA/CEA:</b>
<b>AS Number:</b>	<b>Date:</b>

**EARLIEST EXPIRY DATES – indicate 'hire' or not applicable 'n/a' if relevant**

ITEM	EARLIEST EXPIRY	UPDATED EARLIEST EXPIRY	AUDITOR	ITEM	EARLIEST EXPIRY	UPDATED EARLIEST EXPIRY	AUDITOR
Fire ext (12 mth.)				Flares red hand			
EPIRB(s) – if NoR				Flares white hand			
Inflatable lifebuoy(s)				Flares orange hand			
				Lifejackets			

*NOTE: Some clubs will not accept self-servicing of fire extinguishers and lifejackets. Check with the club for specific requirements*

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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		
3.06.3	2 exits		
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 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	(a) No hatches forward of maximum beam open inwards except if size < 0.071 m <sup>2</sup> (b) Non-conforming hatches labelled 'Not to be opened at sea'		
3.07.2	(a)(i) Hatches above water when heeled 90°		
	(a)(iii) Non-conforming hatches; size < 0.071 m <sup>2</sup> (a)(iii) Non-conforming hatches kept shut while racing		
	(b) Hatches capable of being immediately shut; permanently attached lid		
3.07.3	Blocking device for low sill companionway (a) Companionway hatch securing arrangement		
3.07.4	(i) Operable from above and below		
	(b) Blocking devices to be (i) Capable of being retained with hatch open or shut		
	(ii) Secured to boat (e.g. by lanyard) (iii) Permit exit in event of inversion		
3.08.1	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 <sup>2</sup> per m <sup>2</sup> cockpit		
3.12.1	If design makes it impractical to follow SR for lifeline system, follow as closely as possible to minimise risk of falling overboard If lifelines not continuous, harnesses to be worn and attached when outside cabin		
3.12.2	Lifelines taut (50 N force applied; ≤ 50 mm deflection)		
3.12.3	Bow pulpits shall be either: (a)(i) Closed and forward of forestay; OR (a)(ii) Open with the forward gap ≤ 360 mm; OR (a)(iii) Open with the gap to any boat part ≤ 360 mm		
	(b) & (d) Bow and stern pulpit top rails same height as upper lifelines		
	(c) Lifelines, stanchions, pulpits effectively continuous deck barrier		
	(f) Pulpits & stanchions permanently installed		
	(g) Pulpit & stanchion bases inboard ≤ 5% of max beam or 150 mm		
	(h) Stanchion bases not outboard		
	(j) Lifelines attached to stanchion inside & overlapping pulpit with gap ≤ 150 mm permitted		
3.12.3	(k) Stanchions straight, vertical; first 50 mm ≤ 10 mm displ. and angle ≤ 10 deg. from 50 mm above deck.		
3.12.4	Trimaran (a) Main hull, bow pulpit with lifelines on stanchions around hull (b) If net joins pulpit base, additional lifeline to forward crossbeam (c) At main or emergency steer position on outrigger, lifelines 3m diameter arc around station		
	Catamaran (d) Lifelines bow to stern each hull (d) If no crossbeams, transverse lifelines at extremity of net forward and aft; with 'zig-zag' support material		
3.12.5	Lifeline height, spacing, number comply with table		
3.12.6	(a) Lifelines uncoated stainless steel wire		
	(d) Gap secured by lanyard ≤ 100 mm; Lanyard replaced annually		
	(e) Lifeline system ≥ strength of required wire size		
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		
	Trimaran Net Double Crossbeam (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		
3.13.2	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	Catamaran 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		
3.20.4	1 x manual bilge pump		
3.20.6	Bilge pump not to discharge into closed cockpit Bilge pump not connected to cockpit drains		
3.20.7	a) Bilge pump minimum suction bore 25 mm		
	b) Bilge pump & strum boxes accessible		
3.21.1	Marine magnetic compass permanently installed, non-electric		
3.23.1	Navigation lights carried complying with IRPCAS		
3.24.4	If using outboard motor, provision for mounting		
	Outboard motors mounted at all times		
3.28.1	Hull Identification, min 50 mm; name & state rego; OR name, sail number & club		
3.28.3	Underside ≥ 2 x 1 m <sup>2</sup> coloured patches		
4.01.1	Sail numbers as per RRS 77 and Appendix G		
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		
	(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		
3.15.2	Toilet or securely fastened bucket		
3.17 If fitted	Cooking stove/heating appliance securely fastened, safe, accessible shutoff		
	Gas or methylated spirits only fuels		
	"REMEMBER Turn Off Gas At Bottle" sign		
	Gas detection for permanent pilot light		
	Disposable gas canisters ≤ 225 grams		
	Gas bottle, spare canisters in separate compartment ventilated overboard		
3.19.1	Handholds below decks		
3.24.3	Inboard engine to SR 3.24.1, OR outboard engine with tanks, fuel supply; all securely fastened		
3.24.4	Outboard motors provision for mounting		
	Outboard motors mounted at all times		
3.24.6	Separate starter battery if electric starter		
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		
	(d) Outboard tanks secured on deck or ventilated compartment; manufacturer supplied or recognised national standard		
	(e) Petrol not below decks in portable containers		
	(f) Flexible fuel tank not permitted.		
3.25.1	(b)(i)(iii) & (c) Permanently installed VHF transceiver (new installations DSC capable)		
3.25.7	At least two means of receiving weather bulletins		
Reg	Portable Equipment	P	A
3.18.4	Emergency water 1 litre per crew		
3.20.9	2 x 8 litre buckets, stout construction with lanyard		
3.23.4	Reserve navigation lights, independent of main power		
3.25.5	(b) Emergency VHF antenna where regular antenna relies on mast		
4.04.1	2 x fire extinguishers 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.....		
	(c) Primary anchor assembled, attached to tackle		
4.06.2	1 x flashlight floating type; spare batteries & bulbs if replaceable		
4.07.2	First aid manual		
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 (not 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		
4.21.1	(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		
	2 x red hand flares		
	2 x white hand flares		
	2 x orange smoke flares		
4.23.1	Heaving line minimum 15 m		
4.24.1	(c) Heavy weather jib; area compliant		
4.24.2	(b) Sheeting positions for heavy-weather sail		
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		
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		
5.02.1	Safety harness, line with snap hook each end (≤2 m); 1 per crew Number .....		
	(See regulation for compliance standards)		

**4.07.9 First Aid Kit Contents List – within expiry**

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

**Additional Equipment**

Most State laws require carriage of EPIRBs when more than 2 miles offshore. Many clubs will require the auditor to check for an EPIRB.

Guideline requirements below are based on Category 1-3 Special Regulations. Check club requirements.

4.18.1	EPIRB 406 MHZ EPIRB		
	GPS capable		
	Registered with relevant authority		
4.18.3	Storage; within battery life; tested; crew trained in use		

END OF FORM