



# Boat Preparation & Compliance

# Tonight's Presenters



Our presentors this evening are very experienced offshore racers with plenty of ocean miles under them

Paul Roberts

Simon Dryden

Justin Brenan

Glenda Pillifeant

# Tonight's Agenda



Ocean Sailing Preparation – Why It Is Different?

Construction Standards for boats

Stability – what is it and how is it determined?

TopYacht entry system

Boat safety requirements

Victorian Marine Law

Questions



# What is different?



- Typical Club sailor
  - Rarely sails all night
  - Sails about 500 miles p.a. in relatively sheltered (albeit bouncy) water
  - Say 100 engine hours
  - Experiences minimal wear and tear
  - Help is always at hand

# What is different?



Keen ocean sailor ? Well I sail around 4000 miles p.a. encountering all sorts of conditions, running up 600 engine hours and many autohelm hours.

- Much more wear and tear
- Different types of wear and tear

**Its an entirely different maintenance world**

# Boat Preparation Starting points



- What are you preparing for ?
  - Cruise, cruise in company, or race. When racing much of the risk management and mitigation is done for you.
- Focus preparations on critical equipment.... is it in good condition ? what happens if it fails? do you know how to repair it ? spares
  - .....mast, engine, steering, sails... and what about the head ?
- Examine the condition of rarely used important equipment
  - .....from batteries to anchor rollers
- Get rid of everything you don't need and KISS



## Race Categories



- Cat 6 - club racing, daylight, rescue available
- Cat 5 - Bay racing, some rescue, usually daylight
- Cat 4 - short off-shore, usually daylight
- Cat 3 - longer coastal races, not far from land
- Cat 2 – longer off-shore, almost on your own!
- Cat 1 - well off-shore, on your own!

# Extending Your Boat's Offshore Capability



## Cat 5 -

- BTB Overnight passage
- Passage Races



## Cat 4 +

- Coastal Passage

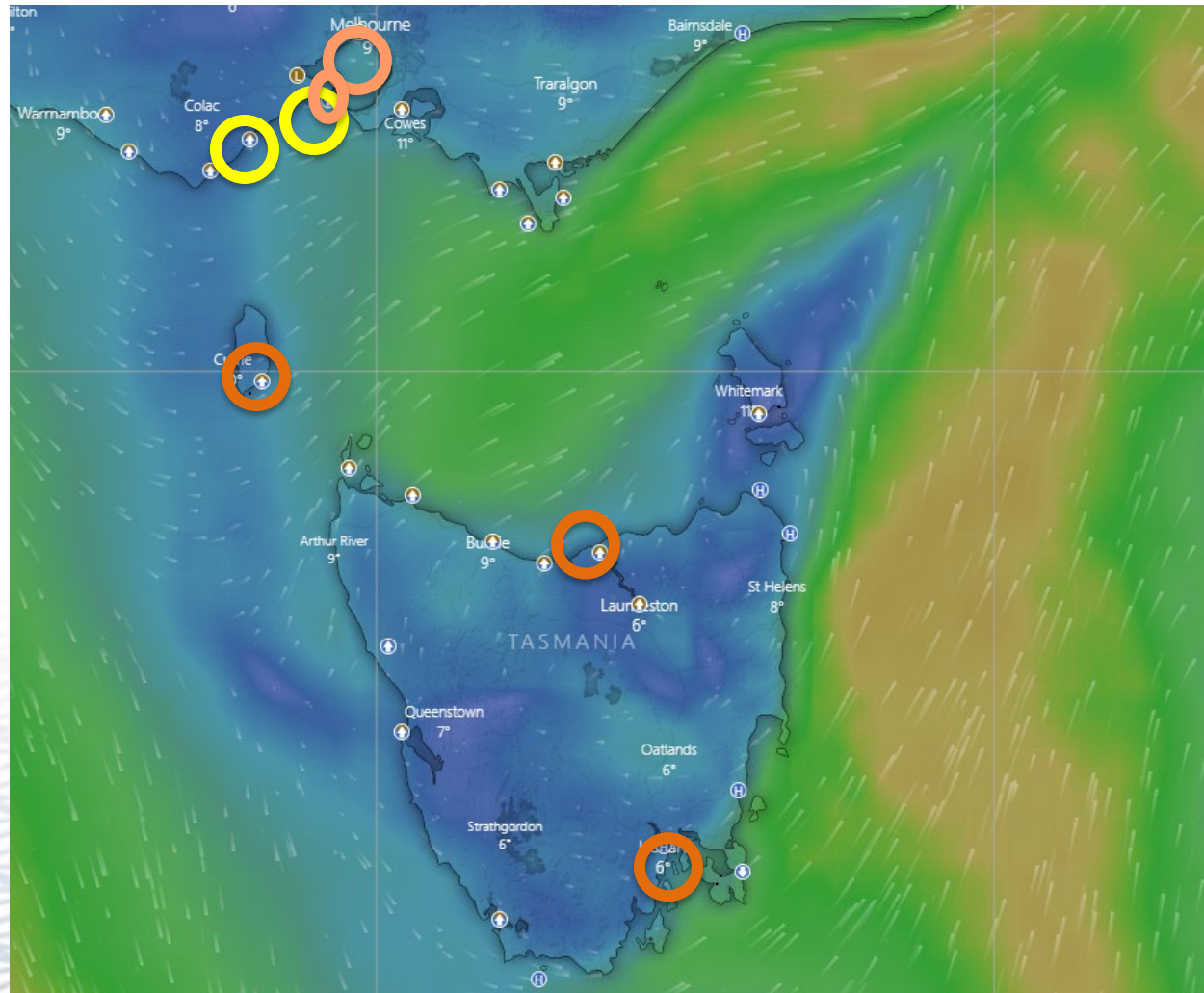
## Cat 3

- Coastal Sprints
- Apollo Bay



## Cat 2

- Port Fairy
- King Island
- Devonport



ORCV Beyond the Bay 2025

# BTB program requirements



Tonight we focus on preparing for the Overnight Challenge and the Heads Exit cruise, touching on requirements for longer races and cruising.

Its Category 4+..... ie Category 4 plus extras

For more adventurous ventures, Australian Sailing's Special regulations provide a great reference point – when racing compliance is mandatory but think about the Regs as the accumulated experience of yachties over several decades.

# Construction Standards For Boats

# Design Categories



<b><i>Design category</i></b>	<b><i>A</i></b>	<b><i>B</i></b>	<b><i>C</i></b>	<b><i>D</i></b>
<i>Wave height up to</i>	<i>approx 7 m significant</i>	<i>4 m significant</i>	<i>2 m significant</i>	<i>0,5 m maximum</i>
<i>Typical Beaufort wind force</i>	<i>up to 10</i>	<i>up to 8</i>	<i>up to 6</i>	<i>up to 4</i>
<i>Calculation wind speed (m/s)</i>	<i>28</i>	<i>21</i>	<i>17</i>	<i>13</i>

# Structural Reqts (Scantlings) launched 1987 to July 2010



## Cat 1 and 2

- You will need certification in one form or another
  - An ABS certificate covering review and approval of the plan OR statements from both the designer and the builder confirming compliance with the ABS Guide OR
  - EC (Recreational category A) OR
  - Designer and Builder confirmation that they have complied with ISO1225

### **AND**

- Written statements that any modifications have complied with one of the above

# Structural Reqs (Scantlings) launched after July 2010

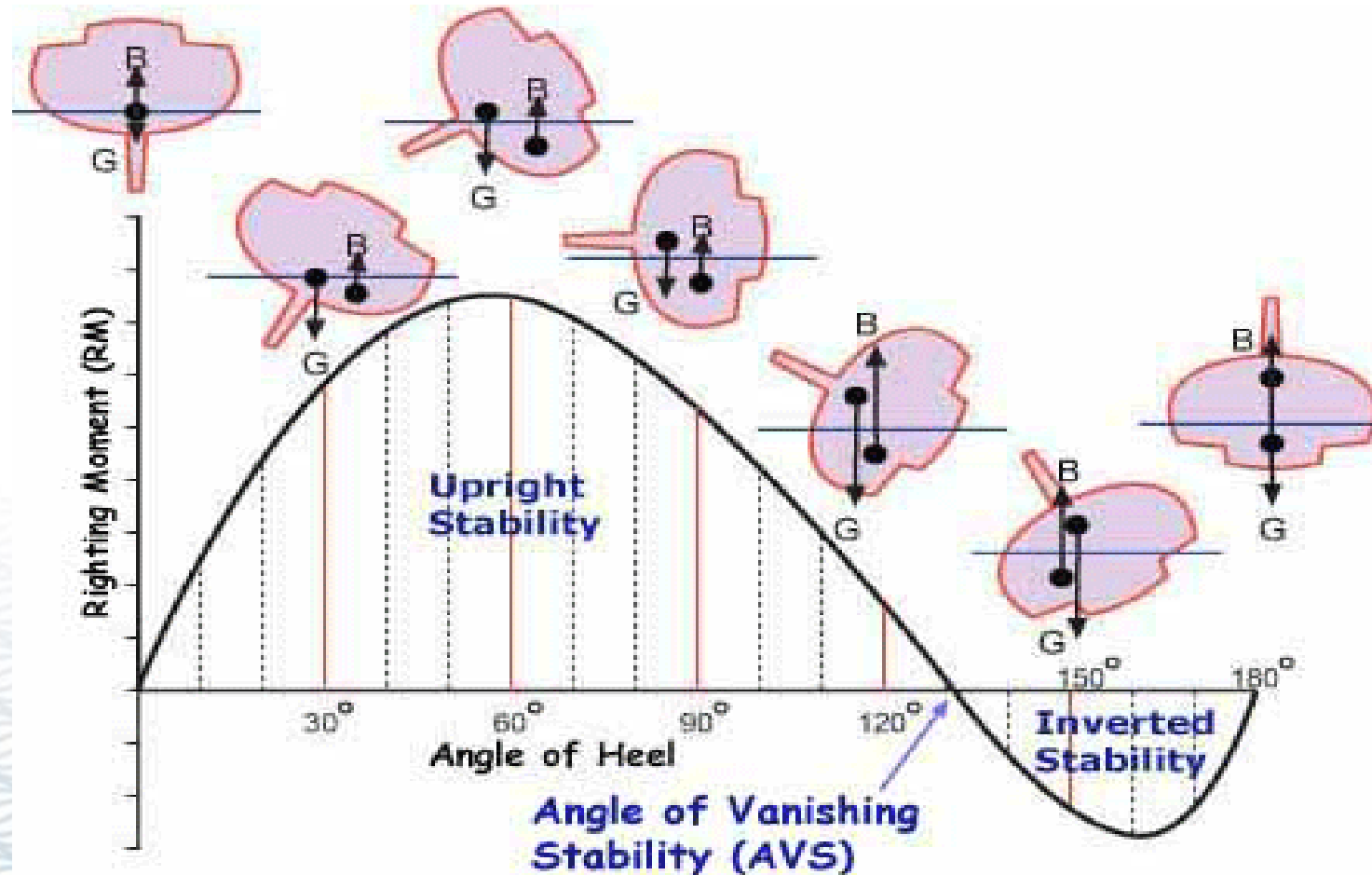


## Cat 1 and 2

- The boat as built and modified, must comply with ISO 12215 Category A; and you will need
  - A Certificate of Building Plan Review;
  - A declaration from the builder that the boat conforms with the reviewed plan. If the builder is no longer available alternative certification may be accepted.
  - Additional certification if the boat has been subject to major modifications.
  - This information will normally come with the boat.

# Stability – What is it & how is it determined?

# Stability – Overview



# Measurements of Stability



- Screening Value (  $2.83 * \text{Length (m)} / \text{Displacement (tonnes)}$  )
- ORCi Stability Index
- STIX Rating

# Stability Requirement



- For Cat 3 Races you need to establish that the boat:-
    - Has a Screening Value of less than 10
    - Has an ORCi Stability Index of 103 or greater
- or**
- IRC SSS value of at least

# Stability requirement



- For Cat 2 Races you need to establish that the boat:-
  - Has an ORCi Stability Index of 110 or greater
  - or**
  - Meets the Category A Requirements of the ISO 12217-2 Stability Standards (STIX rating of at least 32)

# Stability requirement proof



- ORCi certificate/STIX calculation for your boat
  - Less than 5 years old
  - Can establish that boat has not been modified
    - eg Same owner, owner certification no modifications
  - If certificate out of date, ORCV will need to establish from measurement data that the boat has not changed. Rating certificate comparison likely to suffice.
  - ORCi costs \$500 + measurer time
- Possible use of sister ship (identical in every respect) compliance, this would be up to the Race Authority to decide if applicable.

# Stability requirement proof



If no sister ship data and no old certificate:-

- Need to arrange for measurer to incline the boat.
- Will require a computerised shape of the hull (The “hull file”)
  - from the designer or
  - maybe exist in available data bases or
  - Worst case, local 3D laser scan.
- Australian Sailing can then calculate the ORCi Stability Index or a naval architect can calculate the STIX index
- Significant cost \$300-\$5000+ depending on what needs to be done



# TopYacht – How To Enter

## Racing at ORCV

The ORCV offers a sailing program including Bay, Coastal and Offshore races.

The races are grouped to form [three championship series](#).

Apollo Bay

Coastal Sprints

Cock of the Bay

Devonport  
(Rudder Cup)

Double Handed  
(Bay Race)

Hobart  
(Westcoaster)

King Island

Port Fairy

Winter Series

Women's Race &  
Return Sprint



# Melbourne to Devonport Race - The Rudder Cup

Ocean Race distance:	195 nautical miles
Safety Category:	2
Start Location:	Queenscliff
Start Time:	1430 AEDT (Australian Eastern Daylight Time)
Start Date:	31 October 2025
Race Record:	19h 32m 56s by <b>PROWLER</b> skippered by Joe Westerlo in 1998

This year, the Melbourne to Devonport, The Rudder Cup, Australia's oldest ocean race, will be honored as the ORCV race that runs on the "Melbourne Cup" long weekend. With a start off Queenscliff, the fleet will race to Devonport to be greeted and kindly hosted by the Mersey Yacht Club.

The Devonport race is a qualifying event for the 2025 Melbourne to Hobart "Westcoaster" and is expected to attract another large fleet. Devonport has always been a popular destination for ORCV and is a great place to visit.

## Devonport - Rudder Cup

[About the Race](#)

[Race Documents](#)

[Online Entry](#)

[The Yachts](#)





ORCV Season 2025 - 2026

Oct 2025 ~ Oct 2026

**Create Entry / Update Entry / Add Crew...**

**STEP 1: Select Race**

**SERIES**

- Rudder Cup - Melbourne to Devonport 2025
- Melbourne to Hobart Westcoaster 2025

**STEP 2: Select an Option**

**ENTRY OPTIONS**

- Enter** boat already in [TopYacht Boat Register](#)
- Update** existing entry details

**Add a boat?**

- I have purchased a boat; or
- I am now the co-owner of a boat; or
- I am now the manager of a boat.
- I am chartering a boat.

Add boat? [Click here.](#)

**STEP 3: Press Submit**

**SUBMIT**



ORCV Season 2025 - 2026

Oct 2025 ~ Oct 2026

**Enter Series with existing boat ...**

- Either the 'normal point of contact' /owner OR boat rep can log in.
- To check boats/contacts in database click link [TopYacht Boat Register](#)

**Boat Primary Sail No:**

Boats may have several owners and/or a manager.  
Each of the above have their OWN password.  
Please log in below with **YOUR** password.

**Personal password:**

Show password

**Log In**

**Forgotten password?**

**Change Owner/Contact OR update registered Email address**

**Problems logging in? ["Please contact event organiser.]**

**Online Entry**  
The Anniversary Year  
2022-2023



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**ORCV Season 2022 - 2023**

**Oct 2022 ~ Sep 2023**

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### Updating Entry

Rudder Cup - Melbourne to Devonport 2022

**Series Entry** - For Complete Details see NOR [click here](#).

#### **DEVONPORT MOORING ARRANGEMENTS**

Alongside pontoons in the Mersey River at the direction of the Mersey Yacht Club (MYC) in Devonport. Please advise ORCV if you require an overnight berth at MYC via email to [orcv@orcv.org.au](mailto:orcv@orcv.org.au)

#### **Entry Fee**

- **Entry Fee Non Member - \$510.00**
- **Entry Fee ORCV Member - \$433.50**
- **Late Entry Fee - if accepted - Non Member - Enter on or after 10/10/2022 - \$660.00**
- **Late Entry Fee - if accepted - ORCV Member - Enter on or after 10/10/2022 - \$561.00**

**BOAT**

\* Boat Name: CADIBARRA

#### BOAT SPECS

\* Design: Sydney 41  
eg Beneteau 361

\* Launch Year: 1995

\* BUILDER

\* LOA: (metres) 12.50

\* DRAFT: (metres) 2.6

\* Beam: (metres) 3.7

\* Hull Material Fibreglass

\* Hull Colour White

\* Deck Colour grey

\* Boat Phone (mobile) 0411802339

Boat Phone (satellite)

Boat Email (Satellite)



#### \* OFFSHORE RACING :EMERGENCY CONTACT DETAILS / TEAM SHORE CONTACTS

[Add/Update Emergency Contact Details](#)

#### ENTRY OPTIONS

##### Please note:

Please select the options for which you wish to receive results.

Please check/set any relevant rating(s) certificate details below.

Yachts entering ORC must hold either an ORCi Rating Certificate or an Endorsed ORCc Rating Certificate based on data submitted to Yachting Australia by an accredited measurer.

AMS: <input checked="" type="checkbox"/>	AMS certificate No: 69026	AMS date: 2024-12-20	AMS rating: 0.967
ORC CLUB: <input checked="" type="checkbox"/>	ORC Cert: 3092	No match found for cert 3092 with above sail number.	
OMR: <input type="checkbox"/>	OMR		
Mono PHS: <input checked="" type="checkbox"/>	Monohull [Including 4+autohelm] - PHS		
DH PHS: <input type="checkbox"/>	Double Handed [Monohull only] - PHS		
Cruz PHS: <input type="checkbox"/>	Cruising [Monohull only] - PHS		
Multi PHS: <input type="checkbox"/>	Multihull [including 4+ autohelm] - PHS		

Enter a different person's to receive all correspondence for this race/ series, complete 'Contact Person/ Boat Manager/ Boat Rep for this race/Series' section lower down this page.

3. If you have purchased this boat (are a new owner) please complete a change of contact request back on previous page.

\* First Name:

\* Last Name:

\* Password/PIN..  Please choose a password of 5 to 12 characters.

\* Australian Sailing No:

\* Street Address:

\* Suburb:

\* State:

\* Postcode:

\* Country:

\* E-Mail:

Secondary E-Mail:

\* Mobile No :

Additional SMS Mobile:

\* Emergency Contact Person:

\* Emergency Tel:

Contact Person/Boat Rep for THIS race/Series - if different to above! [\\_HELP!](#)

First Initial:

Last Name:

TopYacht Password:

[Apply Contact](#)

PROVIDE DETAILS OF **ALL PERSONS ON BOARD** (including skipper)

This crew area is for crew who have raced **cat 1, 2 or 3+** on this boat.

[Add Previous Offshore Crew](#)

[Add New Offshore Crew](#)

Currently there are no crew listed for this race.

**\*Total Crew including skipper.**

Number of crew

Our crew numbers are now finalised.

ADDITIONAL ITEMS

**\* Upload relevant forms as per NOR/race documentation.**

**Please provide an Audit form Cat 2 or Cat 1**

Boat Photo (if required): jpg or png photos less the 3M

Other documents: *single* pdf, jpg or png file less than 2M.

*Important: try to scan docs other than photos in black and white at 200 dpi resolution to keep the upload small.*

Item	Form	Upload	File Date	View	status
High Quality Boat Photo		<input type="button" value="upload"/>	2022-12-01	<input type="button" value="view"/>	<a href="#">?</a>
Insurance Cert		<input type="button" value="upload"/>	2024-09-17	<input type="button" value="view"/>	<a href="#">?</a>
Skipper Declaration	<a href="#">Click</a>	<input type="button" value="upload"/>	2025-01-31	<input type="button" value="view"/>	<a href="#">?</a>
Equipt Audit Form	<a href="#">Click</a>	<input type="button" value="upload"/>	2024-12-10	<input type="button" value="view"/>	<a href="#">?</a>
Stability Declaration	<a href="#">Click</a>	<input type="button" value="upload"/>	2024-10-09	<input type="button" value="view"/>	<a href="#">?</a>
Hull Construct Standard		<input type="button" value="upload"/>	2022-11-08	<input type="button" value="view"/>	<a href="#">?</a>
Stability Documentation		<input type="button" value="upload"/>	2024-10-09	<input type="button" value="view"/>	<a href="#">?</a>
Sat Phone Declaration	<a href="#">Click</a>	<input type="button" value="upload"/>		<input type="button" value="view"/>	

>> In Admin Mode <<

PAID

OK

NOTE:

FEES/PAYMENT



All fees include Australian Goods and Services Tax (a tax invoice will be issued on request).



\* Emergency Contact Person: Delma Dunoon Wife

	name	add	drop
	Aidan Geysen	<input type="checkbox"/>	<input type="checkbox"/>
	Annette Hesselms	<input type="checkbox"/>	<input type="checkbox"/>
	Antonia Mochan	<input type="checkbox"/>	<input type="checkbox"/>
C	Cherry Birch	<input type="checkbox"/>	<input type="checkbox"/>
	Clarissa Flockart	<input type="checkbox"/>	<input type="checkbox"/>
	Craig Longmuir	<input type="checkbox"/>	<input type="checkbox"/>
	Delma Dunoon	<input type="checkbox"/>	<input type="checkbox"/>
	Edel Doyle	<input type="checkbox"/>	<input type="checkbox"/>
	Elke Kellis	<input type="checkbox"/>	<input type="checkbox"/>
	Emily Jenkins	<input type="checkbox"/>	<input type="checkbox"/>
	Gerard Snyders	<input type="checkbox"/>	<input type="checkbox"/>
N	Glen Stanaway	<input type="checkbox"/>	<input type="checkbox"/>
F	Grant Dunoon	<input type="checkbox"/>	<input type="checkbox"/>
	Guy Bourke	<input type="checkbox"/>	<input type="checkbox"/>
	Ian Cunningham	<input type="checkbox"/>	<input type="checkbox"/>
	Jeremy Larkin	<input type="checkbox"/>	<input type="checkbox"/>
	Jeremy Walton	<input type="checkbox"/>	<input type="checkbox"/>
PR	Jill Blunson	<input type="checkbox"/>	<input type="checkbox"/>
	Julian Sanders	<input type="checkbox"/>	<input type="checkbox"/>
	Kate Dunoon	<input type="checkbox"/>	<input type="checkbox"/>
	Kate Dunoon	<input type="checkbox"/>	<input type="checkbox"/>
	Kate Jenkins	<input type="checkbox"/>	<input type="checkbox"/>
	Leeton Hulley	<input type="checkbox"/>	<input type="checkbox"/>
	Liesl Petterd	<input type="checkbox"/>	<input type="checkbox"/>
	Louise Cotter	<input type="checkbox"/>	<input type="checkbox"/>
	Lucas Dunoon	<input type="checkbox"/>	<input type="checkbox"/>
AD	Luis Lopez-Edwards	<input type="checkbox"/>	<input type="checkbox"/>
	Mark Hosking	<input type="checkbox"/>	<input type="checkbox"/>
*U	Mindy Wilson	<input type="checkbox"/>	<input type="checkbox"/>
Bc	Neville Hutchinson	<input type="checkbox"/>	<input type="checkbox"/>
Ot	Neville Rose	<input type="checkbox"/>	<input type="checkbox"/>
Im	Nick Connor	<input type="checkbox"/>	<input type="checkbox"/>
H	Nicolas Mcquigan	<input type="checkbox"/>	<input type="checkbox"/>
	Paul D'Arcy	<input type="checkbox"/>	<input type="checkbox"/>
It	Paul Jenkins	<input type="checkbox"/>	<input type="checkbox"/>
B	Paul Jenkins - Sr	<input type="checkbox"/>	<input type="checkbox"/>
E	Peter Fecht	<input type="checkbox"/>	<input type="checkbox"/>
	Phillip Nelson	<input type="checkbox"/>	<input type="checkbox"/>
H	Rocky Liu	<input type="checkbox"/>	<input type="checkbox"/>
In	Rod Jewson	<input type="checkbox"/>	<input type="checkbox"/>
S	Samantha McGrath	<input type="checkbox"/>	<input type="checkbox"/>
	Scott Davies	<input type="checkbox"/>	<input type="checkbox"/>



**PROVIDE DETAILS OF ALL PERSONS ON BOARD (including skipper)**

This crew area is for crew who have raced cat 1, 2 or 3+ on this boat.

[Add Previous Offshore Crew](#)

[Add New Offshore Crew](#)

First Name	Last Name	Mobile	Email	Street Address	Suburb	State	P C	AS Num
Grant	Dunoon	+61402993808	grant.dunoon@gmail.com	Unit 4301, 1 Almeida Cres	SOUTH YARRA	VIC	3141	566395
Neville	Rose	0412 459 271	neville.rose@orc.v.org.au	31 Balcombe Rd	MENTONE	Vic	3194	20699

**ADDITIONAL ITEMS**

\* Upload relevant forms as per NOR/race documentation.

Boat Photo (if required): jpg or png photos less than 3M

Other documents: *single* pdf, jpg or png file less than 2M.

Important: scan docs other than photos in black and white at 200 dpi resolution to keep the upload small.

[How To` upload documents from iPhone/iPad](#)

[How To` upload documents from Android phone/tablet Help!](#)

Item	Form	Upload	File Date	View	Expiry	ok
Boat Photo		<input type="button" value="GO"/>	2015-10-08	<input type="button" value="GO"/>		<input type="checkbox"/>
Equipt Audit Form Cat 1	<a href="#">Click</a>	<input type="button" value="GO"/>	2019-11-11	<input type="button" value="GO"/>	<input type="text" value="dd/mm/yyyy"/>	<input type="checkbox"/>
High Quality Boat Photo		<input type="button" value="GO"/>	2015-10-08	<input type="button" value="GO"/>	<input type="text" value="dd/mm/yyyy"/>	<input checked="" type="checkbox"/>
Insurance Cert		<input type="button" value="GO"/>	2021-12-07	<input type="button" value="GO"/>	<input type="text" value="4-12-2022"/>	<input checked="" type="checkbox"/>
Skipper Declaration	<a href="#">Click</a>	<input type="button" value="GO"/>		<input type="button" value="GO"/>		<input type="checkbox"/>
Equipt Audit Form Cat 2	<a href="#">Click</a>	<input type="button" value="GO"/>	2021-12-15	<input type="button" value="GO"/>	<input type="text" value="30-06-2022"/>	<input checked="" type="checkbox"/>
Liferaft 1 Inspection		<input type="button" value="GO"/>	2015-10-22	<input type="button" value="GO"/>	<input type="text" value="31/3/2022"/>	<input checked="" type="checkbox"/>
Liferaft 2 Inspection		<input type="button" value="GO"/>	2015-10-06	<input type="button" value="GO"/>	<input type="text" value="dd/mm/yyyy"/>	<input type="checkbox"/>
Stability Declaration	<a href="#">Click</a>	<input type="button" value="GO"/>	2021-12-07	<input type="button" value="GO"/>	<input type="text" value="dd/mm/yyyy"/>	<input type="checkbox"/>
AMSA Beacons Letter		<input type="button" value="GO"/>	2021-11-22	<input type="button" value="GO"/>	<input type="text" value="dd/mm/yyyy"/>	<input checked="" type="checkbox"/>
Hull Construct Standard		<input type="button" value="GO"/>	2015-10-05	<input type="button" value="GO"/>	<input type="text" value="dd/mm/yyyy"/>	<input checked="" type="checkbox"/>

First Name: Last Name: **PROVIDE DETAILS OF ALL PERSONS ON BOARD (including skipper)**

This crew area is for crew who have raced cat 1, 2 or 3+ on this boat.

[Add Previous Offshore Crew](#)[Add New Offshore Crew](#)

First Name	Last Name	Weight Yob	PLB Hex ID	PLB MMSI	Rad Op Lic	Licence issuing auth	First Aid Expiry	SSSC Expiry	Emergency Name
Grant	Dunoon	105	1963	3EF70E11BF81FE0	972609108	OMC 04843 ACMA	20/6/2024	30/6/2026	Delma Dunoon Wife
Neville	Rose	80	1964	3EEE96874AFFBFF		3003307 ACA	1/5/2024	30/6/2025	Julie Bell-Rose

**ADDITIONAL ITEMS****\* Upload relevant forms as per NOR/race documentation.**

Boat Photo (if required): jpg or png photos less the 3M

Other documents: *single* pdf, jpg or png file less than 2M.

Important: scan docs other than photos in black and white at 200 dpi resolution to keep the upload small.

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Item	Form	Upload	File Date	View	Expiry	ok
Boat Photo		<input type="button" value="GO"/>	2015-10-08	<input type="button" value="GO"/>		<input type="checkbox"/>
Equipt Audit Form Cat 1	<a href="#">Click</a>	<input type="button" value="GO"/>	2019-11-11	<input type="button" value="GO"/>	<input type="text" value="dd/mm/yyyy"/>	<input type="checkbox"/>
High Quality Boat Photo		<input type="button" value="GO"/>	2015-10-08	<input type="button" value="GO"/>	<input type="text" value="dd/mm/yyyy"/>	<input checked="" type="checkbox"/>
Insurance Cert		<input type="button" value="GO"/>	2021-12-07	<input type="button" value="GO"/>	<input type="text" value="4-12-2022"/>	<input checked="" type="checkbox"/>
Skipper Declaration	<a href="#">Click</a>	<input type="button" value="GO"/>		<input type="button" value="GO"/>		<input type="checkbox"/>
Equipt Audit Form Cat 2	<a href="#">Click</a>	<input type="button" value="GO"/>	2021-12-15	<input type="button" value="GO"/>	<input type="text" value="30-06-2022"/>	<input checked="" type="checkbox"/>
Liferaft 1 Inspection		<input type="button" value="GO"/>	2015-10-22	<input type="button" value="GO"/>	<input type="text" value="31/3/2022"/>	<input checked="" type="checkbox"/>
Liferaft 2 Inspection		<input type="button" value="GO"/>	2015-10-06	<input type="button" value="GO"/>	<input type="text" value="dd/mm/yyyy"/>	<input type="checkbox"/>
Stability Declaration	<a href="#">Click</a>	<input type="button" value="GO"/>	2021-12-07	<input type="button" value="GO"/>	<input type="text" value="dd/mm/yyyy"/>	<input type="checkbox"/>
AMSA Beacons Letter		<input type="button" value="GO"/>	2021-11-22	<input type="button" value="GO"/>	<input type="text" value="dd/mm/yyyy"/>	<input checked="" type="checkbox"/>
Hull Construct Standard		<input type="button" value="GO"/>	2015-10-05	<input type="button" value="GO"/>	<input type="text" value="dd/mm/yyyy"/>	<input checked="" type="checkbox"/>
Stability Documentation		<input type="button" value="GO"/>	2015-11-26	<input type="button" value="GO"/>	<input type="text" value="dd/mm/yyyy"/>	<input checked="" type="checkbox"/>

**FEES/PAYMENT**

All fees include Australian Goods and Services Tax (a tax invoice will be issued on request).

A yacht will not be considered a valid entry until all entry fees are paid.





# Requirements of the Special Regulations & Boat Safety Audits

# Rule 1 - Skipper's Responsibility



1.02.1 The safety of a boat and her crew is the sole and inescapable responsibility of the person in charge who shall do their best to ensure that the boat is fully found, thoroughly seaworthy and manned by an experienced crew who have undergone appropriate training and are physically fit to face bad weather. They must be satisfied as to the soundness of hull, spars, rigging, sails and all gear. They shall ensure that all safety equipment is properly maintained and stowed and that the crew know where it is kept and how it is to be used. **Attention is drawn to Regulation 2.04 that specifies the crew experience required for some races. They shall also nominate a person to take over the responsibilities of the person in charge, in the event of incapacitation.**





# Rule 2.03 General Requirements



## Summary...

- Equipment must be accessible, fit for purpose, function properly, serviced/checked.
- Many heavy items must be permanently installed, all other heavy items must be securely fastened.

It's not just a question of having the gear on board

# Safety Equipment Audits



For BTB we will use a self audit process with your mentor present. Crew should also be involved.

Normally Nationally Accredited Auditors are required.

<b>Name</b>	<b>Location</b>	<b>Club</b>	<b>Mobile</b>
<b>Paul Buchholz</b>	Barwon Heads	RGYC	0419 527 600
<b>Joseph Wetzels</b>	Belgrave South	RYCV	0408 591 995
<b>Brian McDermott</b>	Caulfield South		0425 721 860
<b>Robert Tanner</b>	Docklands	HBYC	0418 391 078
<b>Dale Laurie</b>	Geelong	RGYC	0407 205 049
<b>Michael Naughton</b>	Jan Juc	RGYC	0408 172 815
<b>Marissa McManus</b>	Mount Martha	Mornington Area	0418 618 884
<b>Malcolm Eaton</b>	Portarlington	RGYC	0408 363 537
<b>Michael Blair</b>	Waterways	SYC	0422 209 756
<b>Justin Brenan</b>	Williamstown	RYCV	0419 919 313



# Safety Equipment Audits



Four main categories for an Audit:

- The Boat
- Equipment that typically lives on the boat
- Equipment that usually lives away from the boat
- Personal (crew owned) gear

GOLDEN RULES:

- Work through the audit form before you ask the auditor to attend.
- Be Organised & Have ALL equipment laid out
- Organise a crew member to help you on the day



# Communications



- EPIRB and VHF for Cat 4+
- PLB, Tracker, VHF, HF or Sat phone & AIS for higher Categories
- VHF – one installed, one handheld
  - Coverage improved with repeaters
  - Masthead antenna plus spare (can use AIS antenna)
  - Distress calling (DSC) recommended, mandatory if new install with an MMSI number and connected to the GPS



# Interpreting the Special Regs



- Minimum requirements are defined in the 2024 Australian Sailing Special Regulations
- Updates are now made on a progressive basis.

**Always check for Amendments**



# AS Special Regulations



The Regulations specify **minimum** requirements by Race Category but adoption of a higher standard is often easy and sensible. eg bunk requirements

## 3.16 BUNKS

- |               |  |       |
|---------------|--|-------|
| <b>3.16.1</b> | Bunks, securely fastened, sufficient for at least half the crew shall be provided.   | 1 2 3 |
| <b>3.16.2</b> | Bunks shall be suitable for use at sea. Fixed bunks shall be fitted with lee cloths or restraints where necessary (not normally required for pipe-cots). | 1 2   |

# Cat 4+ vs Cat 5 Equipment



- 3.06 Exits – 2 required, minimum size requirements
- 3.07.4 Companionway Hatch locks must be independent of washboards.
- 3.8.6 Cockpit volumes limitations
- 3.11 Mast step tie downs –important
- 3.12 Pulpits, Stanchions standard height, tension & gaps limitations apply above Cat 4 – Check all amendments
- 3.14 Toerails – 25mm forward of mast



# Cat 4+ vs 5 Equipment needed



- 3.15 Toilet – get this right – Securely Installed (**Cat 2**) Or Securely fastened bucket – Secure Toilet more suitable
- 3.16 Bunks for 50% or crew, fit for purpose. lee cloths not mandatory for 4+ **but essential for any form of passage**)
- 3.17 Galley – gimbled and fit for purpose applies.
- 3.18 Water tanks – 1,
- 3.19 Handholds – same reg. **but a real issue,**



# Cat 3 vs 5 Equipment needed



- 3.20 Bilge pumps – **manual pump operable with all hatches & cockpit seats shut**
- 3.21 Magnetic Compass – 2 required, 1 installed, no power
- 3.23 Nav Lights, emergency set plus spare bulbs unless LED – check quality
- 3.24 Engines – yep, got to have one!
- 3.25 Marine radio - with mast head antenna, 2 means of receiving weather bulletins



# Cat 4+ vs 5 Equipment needed



- 3.26 Batteries - sealed (and secured)
- 3.27 Barometer – fitted
- 3.30 Permanently installed GPS
- 4.03 Jackstays and clipping points
- 4.04 Fire Extinguishers – one extra
- 4.05 Anchors – extra anchor, assembled
- 4.06 Spotlight & 2 Flashlights



# Cat 4+ vs 5 Equipment needed



- 4.07 More medical supplies
- 4.10.2 Collision Regs – electronic form
- 4.11 GPS (can be hand held)
- 4.12 Depth sounder,
- 4.13 Log
- 4.14 Emergency Steering (not just tiller)
- 4.15.2 Bosuns chair

# Cat 4+ vs 5 Equipment needed



- 4.18.1 GPS capable 416 EPIRB
- 4.21.1 Lifebuoy with light and drogue
- 4.22.1 2 white collision flares
- 4.24.1 Heavy weather jib (size compliant)
- 4.27 Distress sheet (black V)
- 4.28 Stowage chart



# Cat 4+vs 5 Equipment needed



- 5.01 Lifejackets (check standard)
- 5.02 Harness & tethers, crutch straps
- 5.03 Personal light
- 5.04 Personal clothing
- 5.05 **GPS capable** PLB recommended





# Cat 4+ vs 5 Equipment needed



- 4.15 Tools & spares - you need more !
- 4.19 Liferaft if over 12m



# Medical Kit 4.07



- Medical kit for Cat2 include prescription items but does not normally require Morphine or Naloxone – check the NOR.
- Nonetheless, some of the items are subject to regulation. Detailed instructions and forms are given on the ORCV site (<http://www.orcv.org.au/index.php/safety/medical-information-2>)
- The site also includes a number of pharmacists who are familiar with the process for issuing the drugs. It's best not to ask your GP to issue prescriptions.
- If the time comes when you need to use the kit, medical advice provided via Radio/Sat phone from duty medical officer.



# From 1<sup>st</sup> December 2028



- **New medical kit modules:**
- **Inshore Kit**
- **Coastal Kit 1 Day**
- **Coastal Kit 2 Day and overnight**
- **Offshore Kit**

# Special Regulations Part 1 Racing boats

## Case Study – Cadibarra Rudder Loss



- Feb 2025 – Port Fairy Race
- Lost off close to Cape Otway
- Drogue was not effective but used for to minimise drift
- Towed into Appollo Bay
- Fitted Emergency rudder for trip back to SYC (thankyou Jason Close for the use!)

ORCV Beyond the Bay 2025

### FOR VARYING DEGREES OF PAIN

#### Mild Pain

Paracetamol 500 mg (e.g. Panadol) OR  
Ibuprofen 200 mg (e.g. Nurofen)

#### Moderate to Severe pain

\*\* Codeine 30 mg + Paracetamol 500 mg  
(e.g. Panadeine Forte)

#### Very Severe Pain

\*\* Oxycodone 5 mg (e.g. Endone) OR  
\*\* Oxycodone suppositories (per rectum) 30  
mg (e.g. Proladone)  
\*\*\* Morphine 10 mg/1 ml

#### Opioid Overdose

\*\*\* Naloxone Hydrochloride ampoules 400  
mcg/ml

#### Cardiac Emergencies

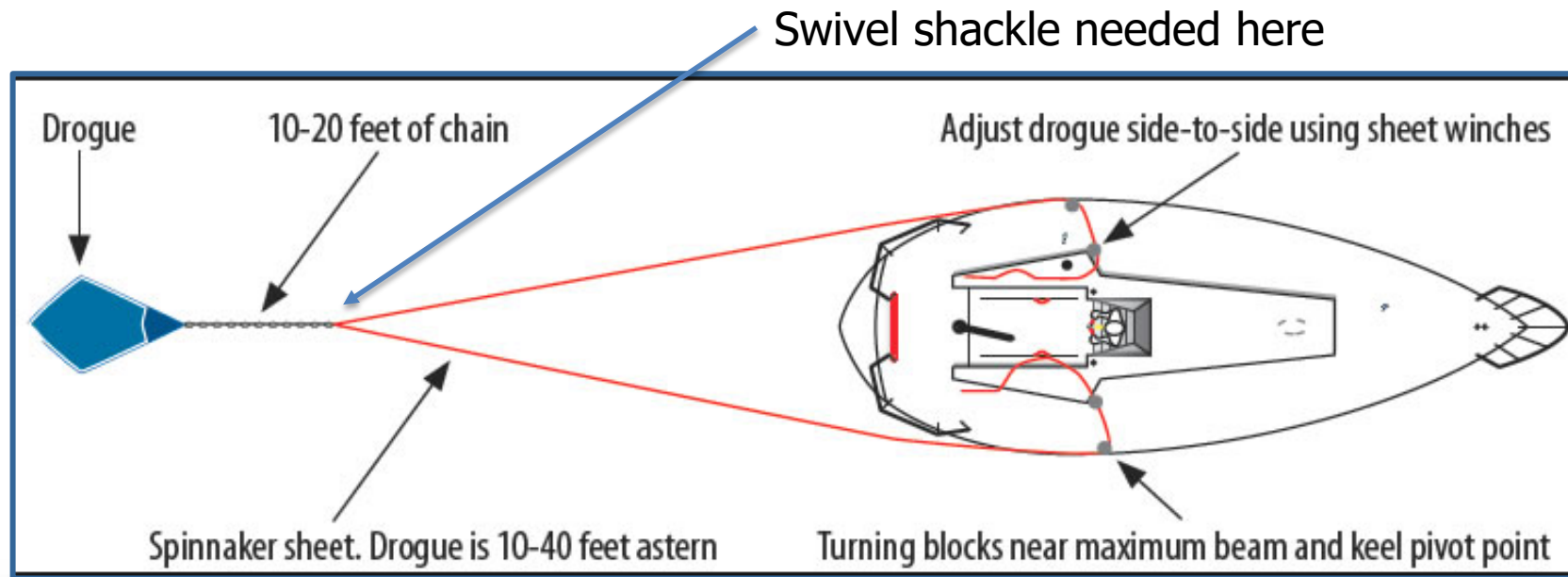
Soluble Aspirin (e.g. Disprin)  
Glyceryl Trinitrate Spray (e.g. Nitrolingual  
Spray)

### FOR WOUNDS AND LIMBS

Butterfly or Steristrips (Strips of 5)  
Disposable Gloves

	RACE CATEGORY						
	1	2	3	4	5	6	7
	<b>QUANTITY</b>						
Paracetamol 500 mg (e.g. Panadol) OR Ibuprofen 200 mg (e.g. Nurofen)	40	40	40	20	20		
** Codeine 30 mg + Paracetamol 500 mg (e.g. Panadeine Forte)	20	20					
** Oxycodone 5 mg (e.g. Endone) OR ** Oxycodone suppositories (per rectum) 30 mg (e.g. Proladone)	20	20					
*** Morphine 10 mg/1 ml	10	10					
*** Naloxone Hydrochloride ampoules 400 mcg/ml	5	5					
Soluble Aspirin (e.g. Disprin)	20	20	20	20	20	20	20
Glyceryl Trinitrate Spray (e.g. Nitrolingual Spray)	1	1					
Butterfly or Steristrips (Strips of 5)	10	10	5	5			
Disposable Gloves	20	20	20	20	10	10	10

# Emergency Steering 4.14



Ref: Practical Sailor ([www.practical-sailor.com](http://www.practical-sailor.com))

You need something practical and proven,  
you must demonstrate it too



# Case Study – Cadibarra Rudder Loss



- **Feb 2025 – Port Fairy Race**
- **Lost off close to Cape Otway**
- **Drogue was not affective but used for to minimise drift**
- **Towed into Appollo Bay**
- **Fitted Emergency rudder for trip back to SYC (thankyou Jason Close for the use!)**



# Case Study – Cadibarra Rudder Loss



[Cadibarra entrance 1](#)

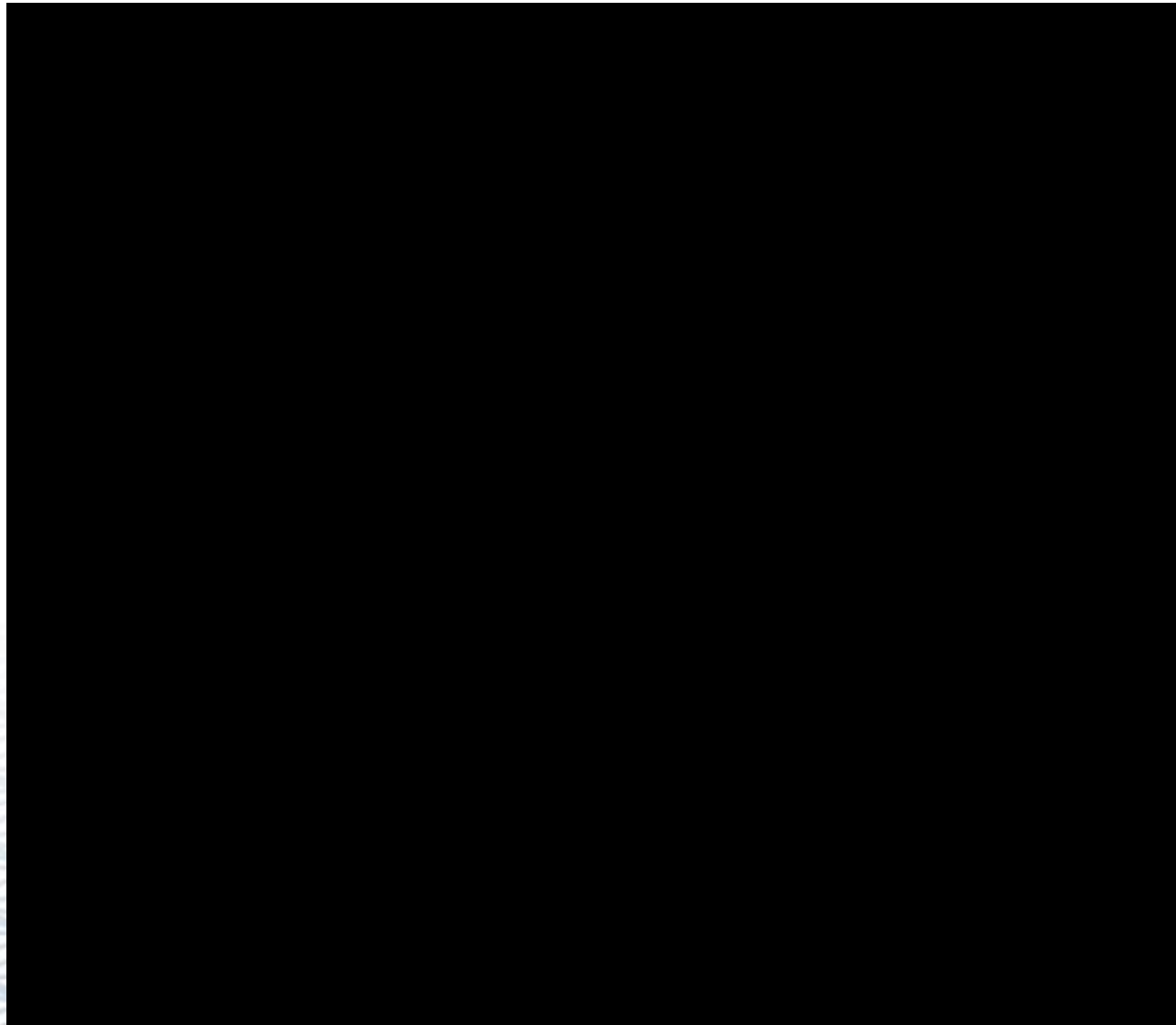


# Case Study – Cadibarra Rudder Loss





# Case Study – Cadibarra Rudder Loss





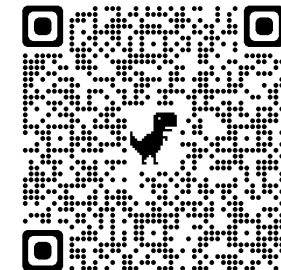
# Statutory Coastal Safety Requirements

# Statutory Requirements



Yachts

	<b>COASTAL OFFSHORE (&gt;2nm from coast)</b>	<b>COASTAL INSHORE (&lt;2nm from coast)</b>	<b>ENCLOSED (bays and estuaries)</b>	<b>INLAND (rivers, lakes and dams)</b>
<b>Lifejacket (per person on board/towed)</b>	Type 1	Type 1	Type 1 or 2	Type 1, 2 or 3
<b>Approved fire extinguisher</b>	Where any fuel is carried, refer to <a href="#">fire fighting</a> section to determine number and capacity required.			
<b>Waterproof buoyant torch</b>	1	1	1	1
<b>Anchor and chain or line or both</b>	1	1	1	
<b>Bailer (if no electric or manual bilge pumping system)</b>	1	1	1	1



<https://transportsafety.vic.gov.au/maritime-safety/recreational-boating/trip-preparation/safety-equipment>

# Statutory Requirements



## Fire Extinguishers

Vessel size	Number required
Less than 8m	One
8m to 12m	Two
Greater than 12m	Three

Table 2: Minimum fire extinguisher capacity

The table describes the minimum required size of a fire extinguisher according to a vessel's capacity of flammable or combustible liquids that are able to be carried on the vessel.

Flammable or combustible liquids capacity	Minimum capacity of one of the fire extinguishers
Less than 115 litres	0.9 kg
115 to 350 litres	2.0 kg
351 to 695 litres	4.5 kg
More than 695 litres	9.0 kg

# Statutory Requirements



## Life Rafts

<b>Dinghy or liferaft (if vessel is more than 12m in length)</b>	1	1		
<b>Compass</b>	1			
<b>Marine radio</b>	1			
<b>Red star parachute distress rocket</b>	1			
<b>Registered EPIRB</b>	1			

# Getting advice and support



ORCV can help if you need it

- Advice on technical matters (eg Construction & Stability)
- Support with technology (eg Topyacht)
- Advice on simple solutions to meet Regs
- Advice on crew training
- Finding specialist trades people

**Ring the office to connect**



# Next Steps.... for BTB program



- Wednesday 27 August 7pm Online Workshop 4 – Route planning and Boat prep, SIs will be issued before this evening.
- Port Phillip overnight Sat 13 Sep, Notice of Event emailed to you today, read and enter on TY
- Wednesday 1 October 7pm Online Workshop 4 – Route planning and Boat prep
- Bass Strait Coastal Passage (11 October) fast approaching. NOE will be issued next week
- Meet with mentors on preparation and compliance asap

# Queenscliff Arrangements



- Berthing is organised for The Saturday night function on 11 October, and 10 October (if requested) at QCYC.
- Standard club visit rates will apply for berthing (based on \$30 plus \$7.50 per crew member)
- Self catering applies
- Bar will be open
- Booking form will be sent closer to event.

# Choosing Sails for Offshore Sailing



- Presentation Thursday 28 August at Sandringham Yacht Club
- Presented by Blake Anderson from the Melbourne Doyle Sails loft
- Booking via the ORCV website using Trybooking, free to BTB participants
- Q&A session at the end

# Intermediate Navigation Course



## 2025 Intermediate Navigation presented by the ORCV

**Select tickets**  
Monday 6 October 2025 6:30 PM - Monday 13 October 2025 8:30 PM

<b>ORCV Member</b>	ORCV Members Only	\$270.00	- 0 +
<b>SYC Member</b>		\$270.00	- 0 +
<b>Non ORCV Member</b>		\$300.00	- 0 +

[BACK](#) [NEXT](#)

- Location is face to face at Sandringham Yacht Club. An email will be sent out to your all with the Try Booking link. Also an online Q&A session on Monday 13th October

# On Track Meals



On Track Meals

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# Thank you and feedback welcome



Thank you:

- Presenters and office staff
- Volunteers – Mentors





Farewell





# Interpreting the Special Regs



- Minimum standards are defined in the 2024 Australian Sailing Special Regulations
  - Differ depending on race category

*Requirement by category, in this example only Cat1&2 need a backup GPS.  
Common sense says its probably a good idea even if Cat3*

4.11	GPS	
4.11.1	A GPS which may be handheld and water resistant with a spare battery(s) or alternative means of charging the device.	4
4.11.2	A second GPS which is handheld and water resistant with a spare battery(s) , or an alternative means of charging the device, shall be provided.	1 2
4.11.3	A yacht shall be equipped with an EPFS (e.g. GPS) capable of recording a man overboard position within 10 seconds and monitoring that position.	1 2



See Safety menu on the ORCV web site for a link to the special regs

**Always check for Amendments**

# Experience and Training



- 3.25.8 Licenced Radio Operators (at least 1, ideally 2)
- Sufficient Navigation skills
- Sufficient sail handling skills - Reefing, Sail changes etc
- Enough experienced steerers
- MOB
- Systems eg engine

