

SEA SAFETY AND SURVIVAL

QUICK REFERENCE GUIDE



Trip preparation | Safe operation | Emergency procedures

Introduction

- This quick reference guide is designed for people intending day or extended offshore passages in both yachts and motor cruisers – **keep it handy and use it all the time**
- The best safety policy is proper preparation
- Australia has excellent rescue resources but the time interval between alarm and rescue, calls for a high degree of self sufficiency
- Sea Safety Survival Training and practice is valuable in improving your chances of survival

Let's get ready

Trip preparation

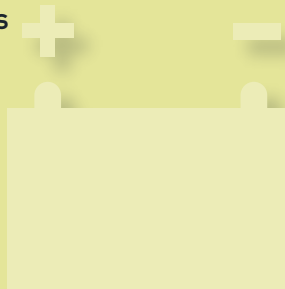
Vessel check	2
Engine check	3
Safety equipment	4
Crew experience	5
Weather plan	6
Contact list	7
Food plan	8

Vessel check

- Anchor(s)
- Bungs
- Radio check and appropriate coverage
- Bilge
- Rudder and steering system
- Instruments
- Fenders and mooring ropes
- Check operation of all on deck systems
- Life lines
- Jackstays

Engine check

- Fuel quality (how clean is your tank) and quantity and spare filters
- Oil level and spare oil
- Coolant level
- Batteries and charging system
- Emergency spares, tools, belts
- Gearbox oil level and spare



Safety equipment

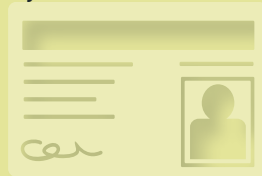
(Must comply with local regulations and be in good condition and current)

- Flares – quantity and types and in date
- Fire extinguishers – quantity and type
- Lifejackets
- EPIRB – 406 and personal
- Man overboard equipment-life rings, dan buoy and a recovery system
- Harnesses
- Torches
- Strobes
- Clothing to suit the expected conditions
- Torches
- Knife
- First Aid Kit
- Compass/GPS
- Sea anchor



Crew experience

- ❑ Minimum number to complete the voyage safely
- ❑ Have you enough experienced crew to
 - Meet the local licence regulations
 - Navigate specifically or do you have familiarity with port entrances on the voyage
 - Consider who will back up the skipper if the skipper becomes incapacitated
 - Sufficient crew to operate the systems on the vessel
- ❑ Appropriately trained



Crew
experience

Weather plan

- Pre-voyage www.bom.gov.au (weather and Tides)
- Coastal station frequencies and broadcast times
- Commercial radio
- HF Radio VMC
- Weather on route and at destination



Contact list

- ❑ Land based contact with crew and voyage details
- ❑ Contact and check-in plan
- ❑ Register with AMSA or local stations
- ❑ Details
 - Vessel details
 - Duration and destination
 - Crew number
 - Call sign
 - Contact number

I'VE GONE BOATING
HERE ARE MY TRIP DETAILS:

Contact list

Food plan

- ❑ Sufficient quantity and variations
- ❑ Food for all weather conditions (Heavy weather alternatives)
- ❑ Cooking fuel
- ❑ Drinking water 2.5 litres per crew person per day
- ❑ Emergency ration
- ❑ Dietary and allergy considerations



Let's go

Safe operation

Crew briefing	10
Crew training	11
Good housekeeping	12
Voyage completion	14

Let's go

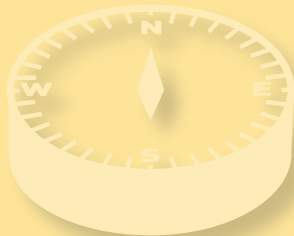
Crew briefing

- Safety policy
 - This reinforces the safety code followed on the vessel
- Risk analysis
 - Dangers
 - Procedures to eliminate and minimise dangers
 - Standard operating procedures for
 - Re fuelling
 - Berthing
 - Entering heads or bars
 - Stove (gas)
 - other



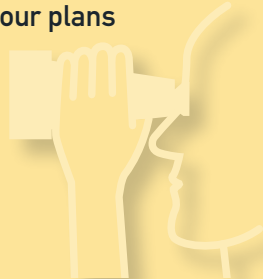
Crew training

- Man overboard (see page 17)
- Fire drills (see page 16)
- Abandon ship (see page 19)
 - Muster list (Buddy system)
 - Including crew tasks
 - Muster station
 - Safety equipment
- Voyage
- Navigation
- Weather
- Watch system



Good housekeeping

- Maintain Navigation and log
- Look out
- Weather conditions (watch the barometer)
- Weather updates
- Watch keeping, watch handover
- Checking in and updating your plans



Good housekeeping

- ❑ Maintaining your resources
 - Vessel integrity
 - Mechanical systems
 - Crew health and condition
 - Dry clothing
 - Nutrition
 - Shelter options updated
 - Fuel levels
 - Battery state



Good
housekeeping

Voyage completion

- Lessons learnt
- Improvements
- Items for repair
- Secure vessel
- Sign off with contacts and local authorities
- Further training



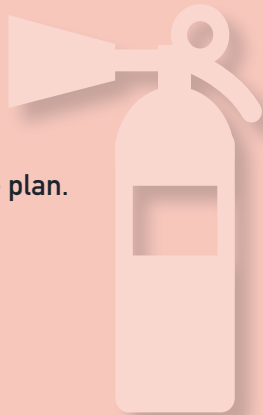
Help

Emergency procedures

Fire	16
Man overboard	17
Radio calls	18
Abandon ship	19

Fire

- ❑ Location and signs
 - Gas shutoff valve
 - Fuel shutoff valve
 - Extinguishers
 - Fire blanket
- ❑ Fire triangle-Fuel, heat, oxygen
- ❑ Toxic smoke and confined space plan.



Man overboard

- ❑ “All Hands-Man Overboard”
- ❑ Flotation
- ❑ Appoint a LOOKOUT
- ❑ GPS-MOB position
- ❑ Head to wind
- ❑ Secure the boat-sails, ropes
- ❑ Commence recovery
 - Talk about recovery methods
 - Consider Radio call “Pan Pan”



Man
overboard

Radio calls

- ❑ Emergency call stickers near radios
- ❑ Sample message cards with vessel name

Speak at writing speed

MAYDAY! Immediate assistance required

(Imminent or grave danger to vessel or person)

*PAN PAN! Urgent message (concerning
Safety of vessel or person)*

- ❑ Message
 - Boat name
 - Position
 - Problem
 - Number of crew



Abandon ship

- ☐ Last resort
- ☐ Skippers call
- ☐ Muster station location
- ☐ Crew duties and radio call
- ☐ Buddy system-opposite watch positions
- ☐ Grab bag
- ☐ Crew preparation





Produced by Yachting Victoria, Boating Victoria and the Ocean Racing Club of Victoria with funding support from Marine Safety Victoria.



All information is current at the time of printing (March 2008) and is provided as a guide only. For full details refer to the current *Yachting Australia Sea Safety and Survival Handbook*, the *Yachting Australia Safety Regulations* and the *Marine Regulations 1999*. For a free copy of the *Victorian Recreational Boating Safety Handbook* and the *Boat Smart Guide* call 1800 223 022 or visit www.marinesafety.vic.gov.au