



Australian Government

Assessment Requirements for SISOSAI003 Sail small boats in open coastal waters and moderate wind conditions

Release: 1

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Modification History

Not applicable.

Performance Evidence

Evidence of the ability to complete tasks outlined in elements and performance criteria of this unit in the context of the job role, and:

- complete four group sailing sessions
- during each session consistently:
 - follow safety procedures and safely negotiate hazards
 - follow waterway rules
 - utilise effective techniques to:
 - rig the sailboat
 - launch and land the sailboat under control
 - power, steer and turn the sailboat under control
- participate in simulations to:
 - recover three crew members lost overboard, one at any given time, and collectively use reach and throw techniques and equipment
 - recover from a capsize on three occasions
 - operate under tow on one occasion.

Knowledge Evidence

Demonstrated knowledge required to complete the tasks outlined in elements and performance criteria of this unit:

- organisational safety and emergency response procedures for sailing activities
- clothing and footwear suitable for sailing activities:
 - types of clothing and fabrics that protect against the effects of weather including sun, temperatures, winds and precipitation of different levels
 - effective design and construction features of waterproof gear
 - types of footwear including specialist boating sandals and shoes and their advantages over other types of footwear
 - features and uses of sailing gloves and mittens, and advantages and disadvantages
- features and functions of lifejackets suitable for open coastal waters and how to fit and adjust these for comfort and safety
- location and function of these small sailboat parts:
 - bow and stern

- hull
- deck
- cockpit
- painters ring
- centreboard
- tiller and rudder
- mast
- boom
- sails:
 - mainsail and jib
 - parts of sails – battens, luff, leech, head, foot, tack and clew
- rigging:
 - standing and running rigging, meaning and difference
 - halyards and sheets
 - downhauls, including Cunningham's eye, and outhauls
 - cleats of different types
- types of small sailing boats suitable for use in open coastal water conditions and:
 - different construction materials, effects on performance, advantages and disadvantages
 - design features, handling characteristics and limitations: manoeuvrability, stability and speed
- communication protocols for sailing activities to include:
 - calls
 - hand signals
 - international distress signals
- the impact of the following on selection of sailing location, and on launching, landing and manoeuvring small sailing boats:
 - tides, currents, waves and rips
 - on, cross, and off shore winds
- the interrelationship of winds, tides and current and effects on sailing conditions
- the meaning of the following terminology used for sailing:
 - port
 - starboard
 - ahead, abeam, astern
 - fore and aft
 - windward, upwind
 - leeward, downwind
 - cross wind
 - dead run
 - luffing up
 - bearing away

- safe manual handling techniques used to lift and carry small sailing boats and equipment
- equipment features and techniques used to secure small sailing boats for transportation
- techniques and knots used to rig small sailing boats, and correct tensions
- techniques used to:
 - embark, launch, land and disembark small sailing boats from bank, shore and wharves, including those for tight positions
 - secure boats to bank or shore and wharves
- specific to open coastal waters and moderate wind conditions:
 - sailing manoeuvres and techniques for tacking and gybing
 - different techniques used to adjust sails and when these would be used:
 - trimming
 - reefing
 - heaving to
 - different techniques used to anchor small boats and when these would be used
- points of sail and all associated terminology
- the “no go zone” and how to get upwind
- principle of tacking upwind and gybing downwind
- hazards associated with gybing downwind and how to manage these
- typical hazards associated with sailing, and techniques used to safely negotiate these:
 - tides, currents and rips
 - built objects – piers, navigation markers
 - steep, slippery or rocky shores
 - sections of dark, deep or cold water
 - marine animals
 - other boating traffic
- features, functions and operation of equipment used to rescue crew from water:
 - reach equipment
 - throw bags, lifebuoys and slings
 - throw ropes
- techniques used to rescue crew from water:
 - reach techniques
 - throw techniques
 - using rescuee’s lifejacket and dragging injured crew member onto boat
- for capsizes:
 - actions that can prevent imminent capsize; easing sheets, shifting weight, change heading
 - appropriate swimming strokes and techniques to use while clothed in smooth water conditions
 - counterweight techniques used to re-establish upright small boat, and correct positioning of boat in relation to wind direction
 - importance of gradual crew re-entry into boat

- how to empty water from small boats, and equipment used to assist
- equipment and towing techniques used for small sailing boats when under tow
- specific to the local state or territory:
 - categories of waterways determined by law and maritime authority:
 - description of waterway and limits
 - how to interpret basic limit charts issued by the local authority
 - safety equipment required for small sailing boats within the limits
 - life jackets required within the limits
 - rules specific to the operation of small sailing boats:
 - give way rules – passing, crossing and overtaking powered and non-powered vessels
 - distance limitations (“distance off”) – rules for swimmers, designated swimming zones, dive flags, unpowered and powered vessels stationary or underway, moored or anchored vessels, built structures (bridges, jetties, navigation markers)
 - prohibited local areas – also called “exclusion” and “no go zones”
 - alcohol and drug restrictions
 - requirements for lights after sunset
 - incident reporting requirements including those for verbal and written reports.

Assessment Conditions

Skills must be demonstrated in open coastal waters.

The environment must feature the following:

- water which features small white capping waves up to 1.25 metres
- ideally moderate winds of 11-16 knots (Beaufort Scale); winds could vary but warnings should not exceed moderate wind conditions.

The following resources must be available to replicate industry conditions of operation:

- first aid equipment
- communication equipment for emergency response
- an activity support vessel suitable for the area of operation carrying equipment necessary to rescue a sailor and sailing craft, and this must be underway during the sailing activity while sailing craft are afloat.

Assessment must ensure use of:

- a group of participants with whom the individual interacts during sailing activities
- people who act as team members, participants and rescuees with whom the individual interacts during simulated rescues, capsizes and tows
- clothing suitable for the conditions

- Australian Standard, or equivalent, compliant lifejackets of a grade that meets maritime regulator requirements for the location
- small sailing boats of any design under 8.5metres length of deck, suitable for use in open coastal waters and moderate wind conditions
- sails, rigging and rigging tools suited to the type of craft
- ropes and tie down straps for transportation
- rescue equipment:
 - reach equipment
 - throw equipment
 - towlines
 - bailing device
 - knives
- boating guide issued by the local state or territory maritime authority
- information on tides, depths, currents and other expected water conditions
- organisational safety and emergency response procedures for sailing activities.

Assessors must satisfy the Standards for Registered Training Organisations requirements for assessors, and:

- have a collective period of at least three years' experience as a sailing leader, guide or instructor, where they have applied the skills and knowledge covered in this unit of competency ; the three years' experience can incorporate full and or part time experience.

Links

Companion Volume Implementation Guides -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=1ca50016-24d2-4161-a044-d3faa200268b>