



Australian Government

SISOSAI002 Sail small boats in partially smooth water and moderate to fresh wind conditions

Release: 1

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Modification History

Not applicable.

Application

This unit describes the performance outcomes, skills and knowledge required to sail small boats, under 8.5 metres length of deck, in moderate to fresh wind conditions within partially smooth waters. It requires the ability to launch, land and sail; steer on all points of sail, and to tack and gybe. It also requires the ability to rescue crew members from the water, recover from a capsize, and to operate small boats under tow.

This unit provides the skills to sail in partially smooth water conditions found within ports, bays and harbours, and sheltered coastal areas up to 2 nautical miles seaward from the coast. Sailors at this level can sail in variable winds from moderate winds of 11 to 16 knots and in fresh winds of 17 to 21 knots (Beaufort Scale).

Partially smooth water could feature small white capping waves up to 1.25 metres. When fresh winds prevail, water could feature long moderate sized white capping waves between 1.25 and 2.5 metres.

It applies to leaders, guides or instructors, who use these skills when leading participants during sailing activities. Leadership skills are provided in complementary units.

This unit applies to any type of organisation that delivers outdoor recreation activities including commercial, not-for-profit and government organisations.

Recreational boating is regulated by specific laws in each Australian state and territory with variable rules. General and specific waterway rules apply to the operation of small boats. All training and assessment activities must comply with the local state or territory requirements. No occupational licensing or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Competency Field

Sailing Small Boats

Unit Sector

Outdoor Recreation

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential outcomes

Performance criteria describe the performance needed to demonstrate achievement of the element.

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| 1. Prepare for the sail. | 1.1. Select clothing, footwear and personal protective equipment suitable for conditions, and check for safe working condition.
1.2. Select a suitable site for sailing activities according to current conditions.
1.3. Confirm activity safety and emergency response procedures to ensure compliance during activities.
1.4. Confirm protocols for communications between party members and with other water users.
1.5. Fit and adjust lifejacket to ensure comfort and safety. |
| 2. Rig small boat. | 2.1. Select lines and other rigging equipment to suit design of small boat in use.
2.2. Rig sails to mast and boom using appropriate tension.
2.3. Secure lines by tying knots suitable for rigging.
2.4. Complete safety checks according to organisational procedures. |
| 3. Launch small boats. | 3.1. Determine wind direction to enable easy launching.
3.2. Embark and launch small boat from bank, shore or wharf while maintaining stability, direction, speed and control.
3.3. Secure or drop the centreboard, where present, and rudder. |
| 4. Sail a marked course in partially smooth water and moderate to fresh wind conditions. | 4.1. Comply with waterway rules throughout all activities, including use of boat within permitted areas.
4.2. Manoeuvre boat using primary boat controls, safely approach, and negotiate obstacles and hazards to minimise risk of injury.
4.3. Determine wind direction and use wind, wind indicators and directional change to follow marked course.
4.4. Use the tiller extension where necessary to sail a course which includes windward and downwind legs.
4.5. Respond to changing wind conditions; adjust sails to effectively manoeuvre boat using techniques appropriate for wind conditions. |
| 5. Recover crew member lost overboard. | 5.1. Provide clear and concise instructions to person being rescued and others assisting.
5.2. Engage a lookout to maintain sight of crew overboard at all times and to consistently indicate position in water. |

- 5.3.Reduce speed to safe level, approach and stop to leeward side of crew member in water.
 - 5.4.Rescue crew member from water using reach techniques.
 - 5.5.Utilise throw resources to reach and recover crew member in water.
 - 5.6.Position boat appropriately and assist injured crew to re-enter boat.
- 6. Recover from a capsize.
 - 6.1.Recognise warning signs and take immediate action to prevent capsize.
 - 6.2.Signal for assistance following capsize, as required, and implement organisational capsize procedures.
 - 6.3.Check safety of crew, provide instruction, and stay clear of rigging in water.
 - 6.4.Maintain contact with boat, secure floating items, as able, and ease sheets.
 - 6.5.Utilise all crew members to right small boat using counterweight methods and smooth transitions; maintain head to wind.
 - 6.6.Re-enter crew to boat gradually as sufficient freeboard is regained after first crew member has re-entered and started bailing.
- 7. Operate small boats under tow.
 - 7.1.Drop and secure sails and secure all equipment.
 - 7.2.Receive and secure towline using appropriate fixtures, knots and tensions to spread load on towline.
 - 7.3.Seat crew in positions to provide balance to small boat.
 - 7.4.Signal towing vessel when ready to proceed.
 - 7.5.Maintain communication with towing vessel and monitor towline and response of small boat, adjust any equipment as required.
- 8. Land and secure small boats.
 - 8.1.Bring small boat to anchor using techniques appropriate for situation
 - 8.2.Drop sails, raise centreboard, where present, and rudder and prepare lines in preparation for return to shore.
 - 8.3.Account for effects of wind and tide to safely manoeuvre boat into landing position.
 - 8.4.Maintain stability, direction, speed and control to land boat into a range of free and tight positions.
 - 8.5.Secure small boat to bank or shore or wharf using appropriate knots, and retrieve boat from water.
 - 8.6.De-rig and pack all components.
 - 8.7.Secure boat for road transport using suitable methods.

Foundation Skills

Foundation skills essential to performance in this unit, but not explicit in the performance criteria are listed here, along with a brief context statement.

SKILLS	DESCRIPTION
Reading skills to:	• interpret detailed and familiar organisational safety and emergency response procedures • interpret potentially unfamiliar and complex information about waterway rules.
Oral communications skills to:	• use clear and unambiguous verbal and non-verbal communications to make intent known.
Numeracy skills to:	• interpret and calculate numerical data involving: • direction and speed of wind and currents • angles that relate to points of sail and tacking manoeuvres.
Planning and organising skills to:	• manage own timing to complete activities within planned timeframes.
Self-management skills to:	• critically analyse all circumstances and implications to provide a prompt and considered response to rescue requirements.

Unit Mapping Information

No equivalent unit.

Links

Companion Volume Implementation Guides -

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