

Title	Make safety preparations for sailing a keel boat		
Level	2	Credits	2

Purpose	People credited with this unit standard are able to: demonstrate the use of personal and safety items required for sailing a keel boat, identify the safety equipment on a keel boat and demonstrate its use, demonstrate the proper use and care of equipment on a keel boat, and plan a short sailing trip of up to twelve hours duration.
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Classification	Outdoor Recreation > Yachting
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Available grade	Achieved
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Guidance Information

- 1 Assessment of this unit standard must be conducted in a practical situation, on or around a keel boat.
- 2 A keel boat is any sailing boat with sufficient stability to right itself from a horizontal position on the surface of the water if it has been rolled to 90 degrees.
- 3 There are minimum assessor requirements for assessment against this unit standard. The details of these requirements are available on the Skills Active website <https://www.skillsactive.org.nz/>
- 4 Performance of this unit standard complies with *Yachting New Zealand requirements* stated in Yachting New Zealand’s National Sailing Scheme log books.

Outcomes and performance criteria

Outcome 1

Demonstrate the use of personal and safety items required for sailing a keel boat in accordance with Yachting New Zealand requirements.

Performance criteria

- 1.1 Demonstration identifies safety hazards associated with the boat.

Range safety hazards may include but are not limited to – slippery deck areas, fingers near winches, sheets and sails, heads near the boom, sun burn, wind burn, hypothermia, dehydration, long hair.

- 1.2 Clothing worn is appropriate for the class of boat sailed and the prevailing weather conditions.
- Range clothing may include but is not limited to – parka, wetsuit, thermal underwear, woollen/polypropylene jersey, woollen/polypropylene hat, woollen/polypropylene socks, tracksuit pants, shorts, rash vest, footwear.
- 1.3 Personal items carried and used are appropriate for the class of boat sailed and the prevailing weather conditions.
- Range personal items may include but are not limited to – sunscreen, sunglasses, wind protection, sailing gloves.
- 1.4 Lifejacket or buoyancy aid selected and worn fits correctly and is appropriate for the individual and the class of boat sailed.

Outcome 2

Identify the safety equipment on a keel boat and demonstrate its use in accordance with Yachting New Zealand requirements.

Performance criteria

- 2.1 Demonstration of use of safety harness includes correct fitting and suitable attachment points on the boat.
- 2.2 Demonstration identifies different types of flares and where they are stowed, and describes their use.
- Range types of flares include – red parachute, red hand-held, white hand-held, orange smoke.
- 2.3 Demonstration identifies different types of fire extinguishers and where they are stowed, and describes their use.
- Range types of fire extinguishers may include but are not limited to – hose, water filled bucket, fire blanket, multipurpose, dry powder, foam, carbon dioxide.
- 2.4 Demonstration identifies location of first aid kit and life rings, and ensures they are easily accessible when required.
- 2.5 Demonstration identifies location of the emergency pump, and its set-up and operation.
- 2.6 Demonstration identifies different types of safety lights and emergency signals, and describes their use.
- Range types of safety signals include but are not limited to – night-time navigation lights on yachts, small motor boats, large boats, tugs; emergency signals include – hand signals, radio messages.

Outcome 3

Demonstrate the proper use and care of equipment on a keel boat.

Performance criteria

3.1 Demonstration of proper use and care of equipment on the keel boat includes safety procedures when the equipment is not in use.

Range equipment may include but is not limited to – gas appliances, lifting centreboard, fuel tanks, engine cooling system.

3.2 Demonstration presents procedures for proper care and maintenance of batteries, including when boat is not in use.

3.3 Operation of winches and cleating of sheets is completed in a safe manner without slippage.

Outcome 4

Plan a short sailing trip of up to twelve hours duration.

Performance criteria

4.1 Planned passage safely avoids all dangers indicated on charts of the area.

Range dangers include – shallow water, rocks, tidal and wave effects, strong or light wind areas.

4.2 Timing of the sailing trip is appropriate to the state of the tide and the weather forecast for the area.

4.3 Planning includes procedure for notification of the sailing trip, according to Yachting New Zealand requirements.

4.4 Planning identifies food and fluid requirements for the duration of the trip.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 October 2005	31 December 2023
Review	2	28 October 2021	31 December 2023

Consent and Moderation Requirements (CMR) reference

0099

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.