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**YACHTING**  
**Make safety preparations for sailing a keel boat**

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<b>level:</b>	2
<b>credit:</b>	2
<b>planned review date:</b>	October 2007
<b>sub-field:</b>	Outdoor Recreation
<b>purpose:</b>	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.
<b>entry information:</b>	Open.
<b>accreditation option:</b>	Evaluation of documentation by NZQA and industry.
<b>moderation option:</b>	A centrally established and directed national moderation system has been set up by Sport, Fitness and Recreation Industry Training Organisation.
<b>special notes:</b>	<ol style="list-style-type: none"><li>1 Assessment of this unit standard must be conducted in a practical situation, on or around a keel boat.</li><li>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.</li><li>3 There are minimum assessor requirements for assessment against this unit standard. The details of these requirements are available on the Sfrito website <a href="http://www.sfrito.org.nz/">http://www.sfrito.org.nz/</a>.</li><li>4 Performance of this unit standard complies with <i>Yachting New Zealand requirements</i> stated in Yachting New Zealand's National Sailing Scheme log books.</li></ol>

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## **Elements and Performance Criteria**

### **element 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.

### **element 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.

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- 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.

**element 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.

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**element 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.

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**Comments on this unit standard**

Please contact the Sport, Fitness and Recreation Industry Training Organisation [info@sfrito.org.nz](mailto:info@sfrito.org.nz) if you wish to suggest changes to the content of this unit standard.

**Please Note**

Providers must be accredited by the Qualifications Authority or a delegated inter-institutional body before they can register credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by the Qualifications Authority before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for providers wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

This unit standard is covered by AMAP 0102 which can be accessed at <http://www.nzqa.govt.nz/site/framework/search.html>.