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**SPECIALIST DRIVING KNOWLEDGE  
AND SKILLS**  
**Drive on snow and/or ice**

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<b>level:</b>	<b>3</b>
<b>credit:</b>	<b>3</b>
<b>planned review date:</b>	June 2009
<b>sub-field:</b>	Driving
<b>purpose:</b>	People credited with this unit standard are able to drive and stop a vehicle safely on snow and/or ice, and complete self-recovery procedures for a vehicle stranded in snow and/or ice.
<b>entry information:</b>	Prerequisite: Unit 18138, <i>Fit and remove vehicle chains</i> , or demonstrate equivalent knowledge and skills.
<b>accreditation option:</b>	Evaluation of documentation and visit 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 All activities must comply with the policies, procedures, and requirements of the enterprises involved and any relevant environmental, legislative and/or regulatory requirements which include but are not limited to the Health and Safety in Employment Act 1992 (HSE), Injury Prevention, Rehabilitation, and Compensation Act 2001, and their subsequent amendments and associated regulations.</li><li>2 Drivers must hold a current driver licence appropriate to the weight and configuration of the vehicle being driven, including an appropriate current licence endorsement if required.</li><li>3 A <i>vehicle</i> is defined as any light or heavy vehicle, and may include two or four wheel drive vehicles.</li></ol>

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- 4 This unit standard may be assessed against in conjunction with Unit 15158, *Carry out pre-drive vehicle checks on a heavy motor vehicle, start it up, and shut it down*, or Unit 17676, *Carry out a pre-drive vehicle check on a light motor vehicle, start it up, and shut it down*.
- 5 There are minimum assessor requirements for assessment against this unit standard. The details of these requirements are available on the Sfrito website <http://www.sfrito.org.nz/>.

## **Elements and Performance Criteria**

### **element 1**

Drive and stop a vehicle safely on snow and/or ice.

### **performance criteria**

- 1.1 Vehicle is checked and made ready for use.  
  
Range: must include – chains and necessary equipment;  
may include – shovels, bungy cords, blocks.
- 1.2 Conditions likely to lead to the loss of vehicle control are explained in terms of techniques for maintaining control of the vehicle.  
  
Range: conditions – weather (whiteout, wind, snow, sun, rain), road surface and condition;  
techniques – braking, skids, loss of traction, use of chains, use of four wheel drive.
- 1.3 Operation of the vehicle on snow and/or ice complies with traffic law, HSE regulations and any enterprise requirements.  
  
Range: operation must take into account – road and weather conditions, vehicle condition, driver condition, passengers, safety equipment, chains.

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- 1.4 Vehicle is driven safely to match the driving conditions through appropriate gear selection and speed.
- Range: driving conditions include – weather, road, lights, vehicle, traffic.
- 1.5 Braking is anticipated and applied consistently on a range of road surfaces, to ensure a gradual stop without skidding.
- Range: road surfaces include – sealed and gravelled;  
braking includes – braking and pulse braking (if applicable to vehicle), on straight road, on bends, bringing vehicle to a halt in a straight line.
- 1.6 The vehicle is parked taking into account roadside communications, and prevents slippage of vehicle, avoids danger to on-coming vehicles, and reduces risk to passengers and driver as they move in and out of the vehicle.
- Range: roadside communications may include – marker posts, cats-eyes, road delineation boards.

**element 2**

Complete self-recovery procedures for a vehicle stranded in snow and/or ice.

**performance criteria**

- 2.1 Resources are used to protect the scene, and ensure safety of any passengers and the vehicle.
- Range: may include but is not limited to – emergency triangles, hazard warning signs, points person, people, use of other vehicles and their hazard lights.
- 2.2 Recovery aids are used to facilitate recovery of vehicle on snow and/or ice.
- Range: may include but is not limited to – chains, gravel, old sacks, digging out, jacks, chocks, winches.

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2.3 Emergency communication procedures to assist in recovery of a stranded vehicle are demonstrated.

Range: may include but is not limited to – telephone, cell-phone, two-way radio, snowsport area policy and procedures.

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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 0050 which can be accessed at <http://www.nzqa.govt.nz/site/framework/search.html>.