

Title	Operate a snowmobile		
Level	3	Credits	3

Purpose	<p>People credited with this unit standard are able to complete a routine maintenance check for a snowmobile, and operate a snowmobile in a variety of snow conditions and terrain and in accordance with snowsport area policy.</p> <p>This unit standard may be of interest to people working at a snowsport area, for example, patrol or lift operators.</p>
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Classification	Snowsport > Snowsport Area Operations
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Available grade	Achieved
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Guidance Information

- 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.
- 2 *Company or snowsport area policy and procedures* are instructions to staff that may be documented and available for reference at each snowsport area in the form of an operations manual.
- 3 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/>.

Outcomes and performance criteria

Outcome 1

Complete a routine maintenance check for a snowmobile.

Performance criteria

- 1.1 Fuel and oil are checked and topped up if required, prior to use.
- 1.2 Brake function is checked for wear, adequate braking power, and responsiveness, and any deficiencies communicated to the mechanic.

Range park brake, running brakes.

- 1.3 Lights are checked to ensure they are working, and any deficiencies are communicated to the mechanic.
- Range high and low beam on headlight, running and braking tail-lights.
- 1.4 The throttle and clutch are checked for working order, and any problems communicated to the mechanic.
- 1.5 Track tension and alignment, and ski alignment and steering are checked prior to use, and monitored during use of snowmobile.
- 1.6 A pre-check and maintenance log is completed in according to snowsport area operational requirements.
- 1.7 Mechanical problems identified during operation of snowmobile are communicated promptly to the mechanic.

Outcome 2

Operate a snowmobile in a variety of snow conditions and terrain and in accordance with snowsport area policy.

Range snow conditions may include but are not limited to – hard-packed snow, soft snow, icy snow, packed powder;
terrain may include but is not limited to – intermediate, advanced terrain, off-piste.

Performance criteria

- 2.1 Safe snowmobile operating practices are adhered to at all times.
- Range safe practice may include but is not limited to – head protection, passenger limits, towing, use of warning signals.
- 2.2 Snowmobile is operated according to manufacturer's instructions and snowsport area requirements.
- Range starting, warming-up, moving out, riding, braking, stopping, parking, correct fuel type.
- 2.3 Speed is controlled at all times, and areas of high slope usage travelled through with caution.
- Range may include but is not limited to – application of brakes, braking chains, engine braking.
- 2.4 Riding techniques are selected for the conditions and terrain, with braking and acceleration completed smoothly.
- Range riding position, uphill, downhill, crossing a slope, turning.

- 2.5 A snowmobile route is selected taking into account the operating features of the machine, slope users, and environmental conditions according to snowsport area requirements.

Range surface snow conditions, terrain, slope, visibility.

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	18 June 1995	31 December 2023
Revision	2	24 July 1996	31 December 2023
Revision	3	19 February 1998	31 December 2023
Review	4	28 March 2001	31 December 2023
Review	5	29 June 2005	31 December 2023
Review	6	16 December 2021	31 December 2023

Consent and Moderation Requirements (CMR) reference	0050
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.