

<b>Title</b>	<b>De-ice at a snowsport area</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>8</b>

<b>Purpose</b>	People credited with this unit standard are able to: demonstrate knowledge of the objectives of de-icing and safe operating procedures; demonstrate personal safety practices and use of safety equipment for de-icing at a snowsport area; and remove ice and rime from a snowsport area structure and/or lift and its components.
----------------	---

<b>Classification</b>	Snowsport > Snowsport Area Operations
-----------------------	---------------------------------------

<b>Available grade</b>	Achieved
------------------------	----------

<b>Prerequisites</b>	Unit 4573, <i>Communicate in the outdoors using two-way radio</i> ; and Unit 18102, <i>Work on a tower at a snowsport area</i> ; or demonstrate equivalent knowledge and skills.
----------------------	--

### Guidance Information

- 1 Range chairlift or T-bar.
- 2 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. Industry standards for technical mountaineering safety equipment are those specified by the national mountaineering associations; and industry standards for aerial and surface ropeways are specified in the *Approved Code of Practice for Passenger Ropeways in New Zealand* published by Occupational Safety and Health Service, 1999; and carried out as required under the Health and Safety in Employment (Pressure Equipment, Cranes and Passenger Ropeways) Regulations 1999, *Prevention of Falls Guidelines* published by Occupational Safety and Health Service, 2000, and its subsequent amendments.
- 3 *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.
- 4 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

Demonstrate knowledge of the objectives of de-icing and safe operating procedures.

#### Performance criteria

1.1 Hazards involved with de-icing and safe operating procedures to avoid damage to equipment and personal injury, are described in accordance with snowsport area policy.

Range ice fall, cable whip, movement of cable and bullwheel, loose equipment, ice slide down cable, accidental starts, attachment points.

1.2 An overview of the objectives for de-icing a snowsport area lift is given according to snowsport area policy.

### Outcome 2

Demonstrate personal safety practices and use of safety equipment for de-icing at a snowsport area.

#### Performance criteria

2.1 De-icing equipment is described in relation to its use and care, and is checked for safe working order.

Range harness, helmet, lanyards with karabiners, safety ropes, radio.

2.2 Harness and helmet are fitted according to manufacturers' recommendations and industry standards.

2.3 Use of safety equipment is logged according to industry standards.

2.4 During de-icing operations communications are maintained with supervisor, and/or lift operation personnel, and/or other workers, using two-way radio, and practice complies with company procedures.

2.5 Steps provide secure footing for climbing, descending, or traversing a snow slope or structures on a snowsport area.

### Outcome 3

Remove ice and rime from a snowsport area structure and/or lift and its components.

#### Performance criteria

3.1 De-icing is completed to company or snowsport area priorities.

3.2 Lift is locked out according to snowsport area procedures.

3.3 Anchors and rope are set up to provide security for self.

Range attachment methods, attachment points, lanyard length, suitable anchors.

3.4 Structures are cleared of ice and rime avoiding damage to components and/or equipment, and avoiding injury to self and others.

Range ladders, chairs, grips, towers, cables, sheave assemblies, haulage cable and bullwheel, moving parts.

3.5 Lift is re-started using snowsport area operational checks to ensure de-icing has been completed.

Range visual inspection, slow first run of lift, maintaining communication at all times.

**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	27 October 2022	31 December 2023

<b>Consent and Moderation Requirements (CMR) reference</b>	0050
--	------

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