

<b>Title</b>	<b>Demonstrate use of avalanche transceivers, shovels, and probes</b>		
<b>Level</b>	<b>2</b>	<b>Credits</b>	<b>1</b>

<b>Purpose</b>	People credited with this unit standard are able to demonstrate use of avalanche transceivers, shovels, and probes.
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<b>Classification</b>	Snowsport > Avalanche
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 All learning and assessment within this standard must be carried out in accordance with the following as relevant:
  - Te Tiriti o Waitangi/Treaty of Waitangi principles of partnership, protection and participation;
  - relevant legislation including Health and Safety at Work Act 2015, Health and Safety at Work (Adventure Activities) Regulations 2016, Privacy Act 2020, Children’s Act 2014 and Human Rights Act 1993, and all subsequent amendments and associated regulations;
  - *The New Zealand Curriculum* and/or *Te Marautanga o Aotearoa*; EOTC Guidelines – Bringing the Curriculum Alive 2016;
  - industry codes such as the Mountain Safety Council Land Safety Code, available from <https://www.mountainsafety.org.nz/land-safety-code/> and Leave No Trace principles available from <https://leavenotrace.org.nz/>;
  - the NZ Avalanche Advisory available from <https://www.avalanche.net.nz/>;
  - a Safety Management System (SMS) including organisational policies and procedures covering risk management, incident and emergency response, and the use of personal protective equipment (PPE);
  - current industry good practice.

- 2 **Assessment**

Scenarios or simulations may be required for the assessment against this unit standard.

The following assessment conditions must apply:

- Only one avalanche transceiver is buried for recovery;
- Avalanche transceiver to be located must be buried between 25-35 cm deep;
- The search area must be clearly described and should be between 20 and 25 metres square.

## 3 Definition

*Current industry good practice* means practice that adheres to accepted avalanche risk management practice which is detailed within current industry Codes, guidelines and publications. It includes the range of actions currently accepted within the snowsport sector to manage the risk of harm to staff, participants, and others.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate use of avalanche transceivers, shovels, and probes.

#### Performance criteria

1.1 Personal safety equipment is described in terms of its function, limitations, care, and safety requirements.

Range must include – transceiver, shovel, probe.

1.2 Techniques for the correct use of a transceiver are demonstrated.

Range may include – checks (display errors, battery life, electronic interference, send and transmit), correct place to wear it, controls, field lines, orientation, search phases: signal, coarse, fine and, pinpoint (using probe).

1.3 Techniques for the correct use of shovels and probes are demonstrated.

Range pinpoint probe – methodical and systematic pattern using effective and efficient hole spacing;  
shovel – digging begins at an extended shovel length (approx. 80 cm) down-slope of probe.

1.4 A buried transceiver is retrieved in under four minutes.

Range must include – pinpoint probing and digging.

<b>Planned review date</b>	31 December 2027
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#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	29 June 2005	31 December 2024
Review	2	2 March 2023	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0099
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

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**Comments on this unit standard**

Please contact the Toi Mai Workforce Development Council ([qualifications@toimai.nz](mailto:qualifications@toimai.nz)) if you wish to suggest changes to the content of this unit standard.