

<b>Title</b>	<b>Demonstrate knowledge of weather processes and weather conditions for outdoor recreation in New Zealand</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>3</b>

<b>Purpose</b>	People credited with this unit standard are able to: demonstrate knowledge of air movement and weather; collect and compare weather information; and demonstrate knowledge of weather conditions and preparation for an outdoor recreation activity in New Zealand.
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<b>Classification</b>	Outdoor Recreation > Weather Interpretation in the Outdoors
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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 as;
  - 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;
  - industry guidelines, including any relevant Good Practice Guide, in particular Tramping, found at <http://www.supportadventure.co.nz/good-practice/good-practice-guidelines/> and Activity Specific Guidelines, found at <http://www.supportadventure.co.nz/good-practice/activity-safety-guidelines-2/>;
  - 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 and relevant Care codes, all available from <https://www.doc.govt.nz/parks-and-recreation/know-before-you-go/care-codes/>, and any relevant activity specific industry codes;
  - 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 Definitions
 

*Current industry good practice* means the range of actions currently accepted within the adventure and outdoor sector to manage the risk of harm to staff, participants, and others

*Outdoor recreation activity* means any recreational activity planned to take place out of doors such as a sporting event, school field trip, bush-walk, snowsport, or mountain biking, for which a change in the weather may have an impact.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of air movement and weather.

#### Performance criteria

1.1 Explain high and low pressure systems in terms of air movement and weather.

1.2 Describe weather commonly associated with cloud types.

Range includes but is not limited to – cirrus, lenticular, towering cumulus, stratus.

1.3 Explain New Zealand weather in terms of geographic influences on air movement.

Range geographic influences include but are not limited to – oceans, mountains, global position, shape and orientation of land forms.

1.4 Explain the effects of wind direction, wind speed, and altitude on weather conditions and temperature in the outdoors.

### Outcome 2

Collect and compare weather information.

#### Performance criteria

2.1 Make weather observations for a specific area at regular intervals for a minimum of three days.

Range weather observations include but are not limited to – cloud type and cover, wind direction and strength, change of temperature, precipitation (type and intensity). Technical equipment is not required;  
regular intervals – at least 2 times a day, at the same time of day.

2.2 Describe the comparison between the weather observed with the weather forecast for the same three days.

### Outcome 3

Demonstrate knowledge of weather conditions and preparation for an outdoor recreation activity in New Zealand.

#### Performance criteria

3.1 Describe the type of weather conditions that may have the greatest impact on the location of your outdoor activity and on the activity.

- 3.2 Justify your preparation and gear choices for the outdoor activity in terms of the anticipated weather conditions.

<b>Replacement information</b>	This unit standard replaced unit standard 20160.
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<b>Planned review date</b>	31 December 2026
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#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	28 October 2021	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>.

#### Comments on this unit standard

Please contact Skills Active Aotearoa Limited [info@skillsactive.org.nz](mailto:info@skillsactive.org.nz) if you wish to suggest changes to the content of this unit standard.