

Title	Demonstrate and apply knowledge of advanced caving skills and single rope technique		
Level	6	Credits	12

Purpose	<p>This unit standard is intended for people who provide advanced caving skills training.</p> <p>People credited with this unit standard are able to: perform caving equipment checks and maintenance; demonstrate personal skills for multi pitch caving and single rope technique; perform multi-pitch cave rescue skills; and apply weather interpretation and forecasting skills to caving activities.</p>
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Classification	Outdoor Recreation > Caving
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Available grade	Achieved
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Guidance Information

- 1 All learning and assessment against this standard must be carried out in accordance with the following:
 - relevant legislation including Health and Safety at Work Act 2015 and Human Rights Act 1993, Vulnerable Children Act 2014 and The Health and Safety at Work (Adventure Activities) Regulations 2016;
 - Caving Activity Safety Guideline published by WorkSafe New Zealand and subsequent updates;
 - industry Codes including the NZSS Code of Conduct, the Outdoor Safety Code and 'Leave No Trace' principles;
 - a recognised and approved safety management system including organisational policies and procedures including Emergency Action Plans (EAPs), Standard Operating Procedures (SOPs), incident response management plans and the use of personal protective equipment (PPE);
 - relevant industry publications.
 - 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 visitors.

NZSS means New Zealand Speleological Society.

Multi-pitched cave refers to a cave with at least two abseils, one of which being over 15m. May also include several levels, and a number of connections between levels that may require abseiling, belaying, cave ladders, hand lines, climbing and

chimneying. This cave may include numerous abseils of much greater heights than 15m and require a high level of rigging knowledge.

- 3 Further information regarding industry guidelines, key definitions and other relevant information can be found within the Caving programme guidance document. This document should be consulted when developing learning or assessment against this unit standard. It can be found at www.skillsactive.org.nz

Outcomes and performance criteria

Outcome 1

Perform caving equipment checks and maintenance.

Performance criteria

- 1.1 Perform caving equipment checks including identifying worn/damaged equipment.
- 1.2 Maintain commonly used caving equipment in accordance with manufacturer's specifications and current industry good practice.

Outcome 2

Demonstrate personal skills for multi pitch caving and single rope technique.

Performance criteria

- 2.1 Prepare rope bags for leading pitches.
- 2.2 Demonstrate personal caving skills in terms of multi-pitch ascent and descent, including changeovers.
- 2.3 Construct and use multi-pitch rigging systems that link multiple anchor points and include placed protection and/or fixed protection.
- 2.4 Describe cave survey and mapping techniques.

Outcome 3

Perform multi-pitch cave rescue skills.

Performance criteria

- 3.1 Construct anchors and rope systems for multi pitch cave rescues.
- Range includes a change from a fixed to a moving system, lower, haul, abseil and mid-rope rescue.
- 3.2 Perform multi-pitch cave rescue skills.

Range includes unconscious caver, change from a fixed to a moving system, lower, haul, abseil and mid-rope rescue.

Outcome 4

Apply weather interpretation and forecasting skills to caving activities

Performance criteria

4.1 Anticipate weather conditions and make a 24 hour forecast from observation of current conditions

Range includes clouds, temperature, and wind direction before descending into a given cave.

4.2 Create a 48 hour weather forecast for a given cave area using a synoptic weather chart.

4.3 Describe implications of the weather forecast for a range of caves in a given area in terms of water levels and conditions.

Planned review date	31 December 2022
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	23 November 2017	N/A

Consent and Moderation Requirements (CMR) reference	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 if you wish to suggest changes to the content of this unit standard.