

1XXXXX Perform technical rope rescue

Kaupae Level	4
Whiwhinga Credit	10
Whāinga Purpose	<p>This skill standard is for people who are required to respond to a rope rescue incident at technician level.</p> <p>People credited with this skill standard are able to: identify legislation that empower response agencies to undertake rope rescue operations; rig a transfer device (including a stretcher) for high angle use; perform technical rope rescue techniques to recover casualty and attendant (rescue load) using raising, lowering, and offset methods; and perform technical rope rescue a part of a team.</p> <p>This skill standard can be used for assessment within programmes across the Emergency Management sector.</p>
Whakaakoranga me mātua oti Pre-requisites	<p>Unit 6400, <i>Manage first aid in an emergency situation</i> or Unit 23406, <i>Provide first aid for trauma and medical emergency situations</i>; Unit 6401, <i>Provide first aid</i>; Unit 6402, <i>Provide basic life support</i>; and Skill standard, <i>Respond to rope rescue incidents</i> or equivalent knowledge and skill.</p>

Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Identify legislation that empower response agencies to undertake rope rescue operations.	a. Identify relevant sections of legislation that empower response agencies to undertake rope rescue operations.
2. Rig a transfer device (including a stretcher) for high angle use, using double line technique.	a. Prepare transfer device and prepare and rig attendant.
	b. Package casualty into transfer device for evacuation.
3. Perform technical rope rescue techniques to recover casualty and attendant (rescue load) using raising, lowering, and offset methods.	a. Prepare three complex anchor systems.
	b. Construct and use rope-based systems.
	c. Demonstrate load transfers using knot passes and changeovers.
	d. Employ an offset system to move the rescue load.
	e. Undertake edge transition with a stretcher.

4. Perform technical rope rescue as part of a team.	a. Undertake a site assessment, establish command and plan operation.
	b. Undertake rope rescue operations.
	c. Supervise technical rope rescue techniques to recover casualty and attendant.
	c. Demobilise the site.

Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria

Assessment specifications:

- Assessment of this standard must be consistent with the latest version of the primary reference document for this standard: CMC Rope Rescue Technician Manual (6th ed.).
- This standard may be assessed in simulated conditions.
- Adherence to current legislation is required for all assessment criteria.
- Assessment of this standard is in a high-angle environment.
- Practical high angle sites during assessment are to be over eight meters and 60 degrees or more.
- Assessment criteria 3a - load sharing, self-equalising and multi-point complex anchor systems.
- Learning outcome 4 – evidence of teamwork must include a specified team role.

Definitions

- *High angle* defines an environment in which one must be secured with rope and other safety equipment to keep from falling from a height (generally above three metres) and more than 60 degrees.
- *Transfer device* refers to a device used to package and allow safe removal of a casualty from a specific rescue environment with rope rescue systems. It includes stretchers, rescue strops, nappies, harnesses.
- *Double line technique* includes a single line technique with independent safety.

Ngā momo whiwhinga | Grades available

Achieved /

Ihirangi waitohu | Indicative content

Legislation

- Civil Defence and Emergency Management Act 2002.
- Fire and Emergency New Zealand Act 2017.
- Policing Act 2008.

Rig a transfer device or stretcher

- Attendant personal protective equipment (PPE).
- Package of casualty for transfer: casualty mobility, and casualty protection from environment and hazards.
- Balance casualty load in stretcher.

Technical rope rescue

- Double line technique and focused multipoint anchor.
- Cord based floating anchor and self-equalising anchor (SEA)/load distributing anchor.
- Complex anchor systems: load sharing, self-equalising and multi-point.
- Rope based systems: raising, lowering, belay and calculation of mechanical advantage.
- Change over direction of rope rescue system under load: lower to raise and raise to lower.
- Mechanical advantage system: simple, compound and complex.
- Offset system to move the rescue load: high directional or low directional.

Rope rescue team operation.

- Team planning: briefing, risk assessment, delegation of tasks and communications.
- Team operation: team roles, team rigging of the site, maintaining communication, and safety check.
- Team demobilising: pack up, debrief and refurbish equipment.

Rauemi | Resources

Where the resources have been updated, please refer to the latest version.

- Civil Defence and Emergency Management Act 2002.
<https://www.legislation.govt.nz/act/public/2002/0033/latest/whole.html>
- Frank, J. A [Ed]. (2021). CMC rope rescue technician manual (6th ed.).
https://www.cmcpro.com/equipment/rope-rescue-manual/#learn_more
- Health and Safety at Work Act 2015. Parliamentary Council Office, Te Tari Tohutohu Parāmata.
<https://www.legislation.govt.nz/act/public/2015/0070/latest/DLM5976660.html>
- Worksafe. (2019). Best practice guidelines for working at height in New Zealand.
<https://www.worksafe.govt.nz/topic-and-industry/working-at-height/working-at-height-in-nz/>

Pārongo Whakaū Kouna | Quality assurance information

Ngā rōpū whakatau-paerewa Standard Setting Body	Toitū te Waiora Community, Health, Education, and Social Services Workforce Development Council
Whakaritenga Rārangi Paetae Aromatawai DASS classification	Community and Social Services > Specialist Rescue > Rope Rescue
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	039

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	31 December 2029	N/A
Kōrero whakakapinga Replacement information	N/A		

Rā arotake Planned review date	31 December 2029
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Please contact Toitū te Waiora Community, Health, Education, and Social Services Workforce Development Council at qualifications@toitutewaiora.nz to suggest changes to the content of this skill standard.

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