

40720**Rescue casualties at height using CDEM
general rescue techniques**

Kaupae Level	4
Whiwhinga Credit	4
Whāinga Purpose	<p>This skill standard is designed for people working in general rescue who are required to lower casualties from buildings or structures 1-2 stories (2-6m) in a mass casualty situation or where other conventional vertical rescue two rope systems are not available.</p> <p>People credited with this skill standard will be able to: assess and select appropriate rescue ropes and tape; execute essential rescue knots; operate ladders effectively to rescue casualties in the environment; and apply safe lowering techniques to ensure secure casualty recovery.</p> <p>This skill standard can be used for assessment within programmes across the Emergency Management sector.</p>
Whakaakoranga me mātua oti Pre-requisites	Skill standard 40695, <i>Perform ground level rescue in civil defence emergencies</i> , or demonstrate equivalent knowledge and skill.

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

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Assess and select ropes and tape used in general rescue.	a. Describe characteristics of rescue ropes and tape.
	b. Demonstrate care and maintenance procedures for ropes and tape.
	c. Assess and select appropriate rescue ropes and tape for general rescue scenarios.
2. Demonstrate knots used in general rescue.	a. Identify applications of specified rescue knots in various scenarios.
	b. Tie and dress rescue knots.

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
3. Operate ladders for rescuing casualties in a general rescue environment.	a. Inspect ladders for safety before and after use.
	b. Demonstrate techniques for moving, erecting, securing, and lowering a ladder.
	c. Demonstrate safe climbing techniques on a ladder.
	d. Perform ladder-based rescue techniques, including ladder slide and hinge rescues.
4. Apply safe stretcher lowering techniques in a general rescue environment.	a. Demonstrate single-point, two-point, and four-point stretcher-based lowering techniques.
	b. Demonstrate hard and soft belay techniques.
	c. Follow safety protocols during lowering techniques to ensure casualty and rescuer safety.

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: The General Rescue Manual.
- As a guide, general rescue techniques at height are to be carried out between 2 and 6 metres of height.
- This standard may be assessed in simulated conditions.
- Adherence to current legislation is required for all assessment criteria:
 - Civil Defence and Emergency Management Act 2002.
 - Fire and Emergency New Zealand Act 2017
 - Health and Safety at Work Act 2015.
- Assessment criterion 4c safety protocols include – safety check, and communication protocols for stretchers lowers.

Ngā momo whiwhinga | Grades available

Achieved.

Ihirangi waitohu | Indicative content

Safety

- Personal protective equipment (PPE), fall protection.

Rope and tapes

- Types of ropes and tape.
- Characteristic of rescue ropes and rescue tape: construction, material, breaking strength, safe working load, standards and diameter/width.
- Care and maintenance procedures for ropes and tape: checking logs, cleaning, drying, and storing.
- Inspection, terminology and rope logs.

Knots

- Key knots used in rescue scenarios and their applications: double figure-eight on a bight, alpine butterfly, double fisherman's bend, clove hitch, friction hitch, and tape knot.
- Quality check knots: dressed, set, loop the right size, tail the right size, fit for purpose, tied correctly.

Ladders

- Ladder types, parts and terminology.
- Ladder inspection.
- Ladder raise, secure, climb, lower.
- Techniques for using ladders in various rescue situations.

Stretcher lowers

- Types of stretcher lowers: single, two point, four point, ladder slide, ladder hinge.
- Safety measures for slide and ladder hinge technique.
- Correct use, belay technique, guide lines.

Anchors

- Types of anchors: natural, constructed and improvised.
- Anchor slings and loads.

Hardware

- Carabiners, pulleys, mechanical advantage.

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>.
- Fire and Emergency new Zealand Act 2017.
<https://www.legislation.govt.nz/act/public/2017/0017/latest/DLM6712701.html>.
- 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>.
- The General Rescue Manual, available from the National Emergency Management Agency (NEMA).

Pārongo Whakaū Kounga | Quality assurance information

Ngā rūpū 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 > Civil Defence Emergency Management > Civil Defence Emergency Management Response
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	0223

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	24 July 2025	N/A
Kōrero whakakapinga Replacement information	This skill standard replaced unit standard 24500.		
Rā arotake Planned review date	31 December 2030		

Please contact Toitū te Waiora Community, Health, Education, and Social Services Workforce Development Council at qualifications@toitutewaiaora.nz to suggest changes to the content of this skill standard.