

41185**Operate as a basic level industrial rope access technician**

Kaupae Level	3
Whiwhinga Credit	5
Whāinga Purpose	This standard is intended for individuals working under direct supervision in various settings that require the use of basic industrial rope access skills to work safely at height or in areas with challenging access. People with this skill standard will be able to apply knowledge and skills to set up and operate basic rope access systems. This skill standard can be used in qualifications and micro credentials that involve working at height, industrial rope access, and other rope access services.

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

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Operate as a basic level industrial rope access technician.	a. Use all rope access personal protective equipment (PPE) and devices following manufacturers' requirements and industry safety standards.
	b. Follow safety procedures, including pre-use equipment checks and buddy checks, during rope access, climbing, and casualty rescue activities.
	c. Carry out basic rope access and climbing techniques according to industry standards.
	d. Rig basic rope anchor systems, including load-shared anchors to industry safety and performance standards.
	e. Perform a descent rescue to maintain safety of self and others throughout the procedure.
	f. Use clear communication techniques during rope access, climbing, and rescue activities to support coordination and safety.

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

Candidates must be capable of performing skills in a safe manner to meet industry verification of competency requirements and regulatory requirements.

Evidence for this standard must include manoeuvring through all rope access configurations and performing rescues in predictable situations.

Assessment must be carried out under supervision of an advanced rope access technician who has the responsibility for safety and execution as a technical lead in line with requirements of AS/NZS ISO 22846 Industrial Rope Access in NZ: Best Practice Guidelines.

Evidence expected for this skill standard aligns with the technical requirements for independent industry verification of competency (Level 1).

Definitions

Basic rope access uses standard rope access techniques and equipment in predictable environments. Rigging is straightforward, with minimal system complexity. Risks are clearly defined and can be controlled by established procedures.

Casualty refers to a person that has been impacted by an event or situation causing injury.

Ngā momo whiwhinga | Grades available

Achieved

Ihirangi waitohu | Indicative content**Introduction to rope access and safety**

- Workplace supervision
- Rope access principles
- Knots, hitches and handling
- Care and maintenance of equipment
- PPE and equipment familiarisation – including equipment selection, pre-checking, assembly and buddy check
- Use of backup systems
- Safe use of ascenders and descenders
- Ascending and descending ropes
- Changeovers

Rigging and manoeuvres

- Regulations and standards
- Rope system dynamics – redundancy in rope access
- Anchor selection
- Basic anchor
- Load-shared anchor systems
- Hazard avoidance and edge protection
- Approach and edge with restraint techniques
- Passing an edge
- Double deviation – e.g. passing a double deviation
- Rope-to-rope transfer
- Re-anchors - e.g. passing re-anchors
- Mid-rope knots - e.g. passing mid-rope knots
- Passing mid-rope protection

Climbing and rescue

- Basic rescue principles
- An introduction to rescue and emergency plans
- New Zealand Best Practice Guidelines and Certificate of Competence overview
- Fall arrest lanyards
- Climbing with Type 1 Fall Arrest devices
- Work positioning on structure
- Lowering on a pre-rigged system
- Horizontal aid climbing
- Casualty handling and controls for a suspended casualty
- Descent rescue techniques

Introduction to work practices

- Hazard identification and risk assessment
- Hazard zones & authorisations
- Safe method statement

Industry code of competency

- Introduction and preparing for industry verification of *Basic* competency for Certificate of Competence

Rauemi | Resources

Legislation, regulations and/or industry standards relevant to this skill standard include but are not limited to:

- AS/NZS ISO 22846 Industrial Rope Access in New Zealand: Best Practice Guidelines available on <https://www.worksafe.govt.nz/>
- Rope Access Certificate of Competence Scaffolding, Access and Rigging New Zealand <https://www.sarnz.co.nz/cocs/rope-access-certificate-of-competence/rope-access-certificates-of-competence>
- 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/>
- EN361 Personal protective equipment against falls from a height: Full body harnesses, available at <https://www.en-standard.eu/>
- AS/NZS ISO 22846.2:2020 Personal equipment for protection against falls - Rope access systems, Part 2: Code of practice <https://www.standards.govt.nz/shop/asnz-iso-22846-22020>.

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

Pārongo Whakaū Kouna | Quality assurance information

Ngā rōpū whakatau-paerewa Standard Setting Body	Construction and Specialist Trades Industry Skills Board
Whakaritenga Rārangi Paetae Aromatawai DASS classification	Service Sector > Lifting Equipment > Industrial Rope Access
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	0120

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	28 May 2026	N/A
Kōrero whakakapinga Replacement information	N/A		
Rā arotake Planned review date	31 December 2031		

Please contact the Construction and Specialist Trades Industry Skills Board at info@cstisb.nz if you wish to suggest changes to the content of this skill standard.