

41197**Operate as an advanced level industrial rope access technician**

Kaupae Level	5
Whiwhinga Credit	8
Whāinga Purpose	This standard is intended for people who are working in a range of work settings that require the use of advanced level industrial rope access skills when working at height or in places with difficult access. People with this skill standard will be able to have knowledge and skills to plan, coordinate, and undertake hazard mitigation for rope access in high-risk environments and advanced rescues. This skill standard contributes to credentials for industrial rope access services.
Whakaakoranga me mātua oti Pre-requisites	Skill standard 41191 <i>Operate as an intermediate industrial rope access technician</i> , or evidence of equivalent knowledge and skills.

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 an industrial rope access technician at an advanced level.	a. Use calculation of component forces to inform rope access method plan.
	b. Identify hazards, plan controls, and implement mitigation of risks for each key stage of the rope access method plan.
	c. Co-ordinate team and equipment requirements according to prepared method plan, and compliance requirements.
	d. Document safe rope access work method statements and emergency plans according to compliance requirements.
	e. Describe the procedures for incident management, escalation pathways, and related reporting responsibilities.

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

Candidates must be capable of performing skills to plan and co-ordinate rope access in high-risk environments in a safe manner to current industry verification of competency requirements and regulatory requirements.

Evidence for this skill standard must include planning and development of method statements for four different scenarios. Example scenarios can include:

- an advanced rigging and rescue system that transitions workers below a suspended tension line.
- an advanced rigging and rescue evacuation off a structure for 3 workers, where there is no one left at the top and everyone can be recovered.
- an advanced rigging and rescue system that requires transition past deviated tension lines.
- a 250kg load movement that transitions a load up from an embankment, horizontally under a bridge, and down the other embankment. The load's final position is under a fragile overhang.

Evidence expected for this skill standard aligns with the technical requirements for independent industry verification of competency (Level 3).

Definition

Advanced rope access involves complex rigging, access or emergency situations, often with significant or unusual hazards, or environments where risks are variable and cannot be fully controlled by standard procedures alone. This requires advanced planning, custom solutions, and oversight by an advanced rope access technician with responsibility for safety and execution as a technical lead.

Ngā momo whiwhinga | Grades available

Achieved

Ihirangi waitohu | Indicative content**Review of techniques**

- Advanced industrial rope access techniques as set out in the SARNZ Certificate of Competency Level 2 schedule.

Advanced rescues

- Mid-transfer rescue
- Passing mid-rope knots with a casualty
- Use of tension lines for rescue
- Rescue from aid.

Rescue variations and complications

- Certificate of Competency Level 2 Rescue variations
- Combination exercises
- Mid-transfer rescue
- Passing mid-rope knots with a casualty
- Use of tension lines for rescue
- Rescue from vertical aid (short connection)
- Rescue scenarios.

Coordinating a team

- Identification of hazards and risks and mitigation (controls)
- Planning and documenting safe work – job planning, method statements, people, assignment of task duties
- Requirements of managing non-standard or situations beyond standard protocols
- Planning for emergencies
- Incident management and reporting
- Complex team rescue scenario.

Compiling the portfolio

- Risk assessments
- Method statements for four scenarios and evidence requirements
- Equipment inspection logs
- Team leadership scenarios – expected vs actual outcomes
- Monitor team compliance with safety procedures
- Incident reports
- Monitoring of team compliance with safety procedures.

Industry code of competency

- Introduction and preparing for industry verification of Advanced competency.

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/asnzs-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.