

Title	Prepare and use industrial rope access systems		
Level	3	Credits	14

Purpose	People credited with this unit standard are able to: <ul style="list-style-type: none"> – prepare to use industrial rope access systems; – use industrial rope access systems; and – secure worksite, equipment and tools.
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Classification	Lifting Equipment > Industrial Rope Access
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Available grade	Achieved
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Guidance Information

- 1 All tasks must be carried out in accordance with:
 - a quality management systems;
 - b designer's requirements and manufacturers' operating instructions; and legislation, regulations, bylaws, Health and Safety at Work Act 2015, and New Zealand Standards.
 - c *Industrial Rope Access in New Zealand: Best Practice Guidelines*, May 2012, available from the website <https://worksafe.govt.nz/>; and
 - d AS/NZS 1891 parts 1 - 4: 2020 *Industrial fall-arrest systems and devices*; AS/NZS ISO 22846.1: 2020 *Personal equipment for protection against falls – Rope access systems, Part 1: Fundamental principles for a system of work*. New Zealand Standards are available from <http://www.standards.co.nz>, and their subsequent amendments.
- 2 Definition
Enterprise procedures refer to practices and procedures that have been promulgated by the company or enterprise for use by their employees.
- 3 Training and assessment
Those undertaking assessment against this unit standard should note that work in the industrial rope access industry usually takes place at heights well above ground level, and therefore requires a level of physical fitness and ability to work at heights.

Outcomes and performance criteria

Outcome 1

Prepare to use industrial rope access systems.

Performance criteria

- 1.1 Match equipment for double rope technique (DRT) professional practice requirements.
- Range equipment includes but is not limited to – harness, ascenders, descenders, attachments, helmet, ropes, pulleys, webbing, personal protective equipment, fall arrest equipment, edge protection.
- 1.2 Tie knots in accordance with enterprise procedures.
- Range knots include but are not limited to – bowline, figure eight, clove hitch, tape knot, figure eight on the bight, figure nine, fisherman’s knot, alpine butterfly, prussic knot, threaded figure eight.
- 1.3 Inspect and confirm the industrial rope access systems safety requirements of workplace.
- Range requirements include but are not limited to – anchors, back-up anchors, rope and attachments, personal rope access equipment.

Outcome 2

Use industrial rope access systems.

Performance criteria

- 2.1 Check attachments to industrial rope access system to ensure enterprise safety procedures are met.
- Range personal checks, buddy system.
- 2.2 Use personal industrial rope equipment in accordance with manufacturers’ specifications and enterprise procedures.
- Range equipment includes but is not limited to – harness, ascenders and descenders, attachments, helmet, ropes, pulleys, webbing and personal protective equipment, fall arrest equipment.
- 2.3 Confirm DRT used meets industry requirements.
- Range DRTs include but are not limited to – descending, ascending, descend to ascend, ascend to descend, locking off, knot bypass, line change over, re-belay bypass, belaying using auto locking devices; securing of tools, plant and equipment over 8 kg.

Outcome 3

Secure worksite, equipment and tools.

Performance criteria

- 3.1 Secure equipment and tools.
- 3.2 Secure the worksite in accordance with enterprise procedures.

Planned review date	31 December 2025
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	28 November 2002	31 December 2022
Review	2	23 March 2006	31 December 2022
Review	3	29 April 2021	N/A

Consent and Moderation Requirements (CMR) reference	0003
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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 The Skills Organisation reviewcomments@skills.org.nz if you wish to suggest changes to the content of this unit standard.