

Title	Set up, alter, and dismantle industrial rope access systems		
Level	4	Credits	15

Purpose	People credited with this unit standard are able to: <ul style="list-style-type: none"> – construct, inspect, and connect to anchor points; – prepare ropes; and – inspect as ready for use, and dismantle industrial rope access systems.
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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; government and local government 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: *Industrial fall-arrest systems and devices*; AS/NZS 4488: parts 1 and 2: *Industrial rope access systems*. New Zealand Standards are available from <http://www.standards.co.nz>, or their subsequent amendments.
- 2 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.
- 3 This unit standard has been developed for learning and assessment on-job or off-job in a simulated environment.

Outcomes and performance criteria

Outcome 1

Construct anchor points.

Performance criteria

- 1.1 Construct anchor points in accordance with the best practice guidelines in terms of weights, proprietary needles, and proprietary tripods.

1.2 Install chemical anchors in accordance with manufacturers' specifications.

1.3 Install mechanical anchors in accordance with manufacturers' specifications.

Outcome 2

Inspect anchor points.

Performance criteria

2.1 Confirm that the anchor points are serviceable and safe in accordance with the best practice guidelines and manufacturer's specifications.

Range corrosion, stress, strength, suitability, service tag.

2.2 Apply proof load and/or inspection to anchor point in accordance with relevant industry standards and manufacturers' specifications.

Outcome 3

Connect to anchor points.

Performance criteria

3.1 Use appropriate knots for connecting to anchor points in accordance with the best practice guidelines.

Range may include – threaded figure eight, figure eight on the bight, figure nine, alpine butterfly.

3.2 Select karabiners for connecting to anchor points in accordance with the best practice guidelines.

Range rating, double action, good working order.

3.3 Select and use connectors.

3.4 Connect to anchor points.

Range wire strops, tape slings, karabiners, beam clamps.

3.5 Tie an alpine butterfly knot as a mid rope knot.

3.6 Apply deviations to rope access systems.

Outcome 4

Prepare ropes when setting up rope access systems.

Performance criteria

- 4.1 Select ropes suitable for the task and ensure they are safe for use in accordance with industry standards.
- 4.2 Prepare ropes for use.
- 4.3 Lower ropes in.
- 4.4 Protect ropes from damage.

Outcome 5

Inspect industrial rope access systems as ready for use.

Performance criteria

- 5.1 Confirm that the access systems are safe for use.
- Range visual check, reading the safety tag, checking the Producer Statement for installation.

Outcome 6

Dismantle industrial rope access systems.

Performance criteria

- 6.1 Dismantle the rope access systems.
- 6.2 Log equipment that was used in the rope access systems.
- 6.3 Identify damaged equipment and remove it from service.

Planned review date	31 December 2024
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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 2016
Review	2	23 March 2006	31 December 2016
Review	3	16 July 2015	31 December 2021
Review	4	22 August 2019	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 at reviewcomments@skills.org.nz if you wish to suggest changes to the content of this unit standard.