

<b>Title</b>	<b>Select and safely use industrial rope access equipment</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>15</b>

<b>Purpose</b>	People credited with this unit standard are able to select and safely use: ropes and slings, hardware, hand tools, portable power tools, and plant.
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<b>Classification</b>	Lifting Equipment > Industrial Rope Access
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Performance criteria are to be satisfied in the workplace environment(s) or an equivalent environment closely resembling a real workplace.
- 2 All tasks must be carried out in accordance with enterprise procedures based on:
  - a quality management systems;
  - b designer's requirements and manufacturer's operating instructions; and
  - c government and local government legislation, regulations, and bylaws.
- 3 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 relevant level of physical fitness and ability to work at heights.
- 4 Legislation relevant to this unit standard includes but is not limited to the Health and Safety at Work Act 2015 and consequential standards:  
 AS/NZS 1891:1995 Industrial fall-arrest systems and devices  
 AS/NZS 4488:1997 Industrial rope access systems.

In addition, candidates should be familiar with industry codes, guidelines, and requirements in the industrial rope access industry.

### Outcomes and performance criteria

#### Outcome 1

Select and safely use ropes and slings.

#### Performance criteria

- 1.1 Ropes selected are appropriate to the task, and are used safely.

Range steel wire, hawser laid, dynamic and static kern mantle.

1.2 Slings selected are appropriate to the task, and are used safely.

Range slings – steel wire strops, lifting slings, webbing, snake, circular.

### **Outcome 2**

Select and safely use hardware.

Range hardware includes but is not limited to – needles, counterweight and tripod systems, trolley systems.

### **Performance criteria**

2.1 Personal kit selected is appropriate to the task, and is used safely.

2.2 Team equipment selected is appropriate to the task, and is used safely.

2.3 Personal protective equipment selected is appropriate to the task, and is used safely.

2.4 Fall arrest equipment and systems selected are appropriate to the task, and are used safely.

2.5 Access system equipment selected is appropriate to the task, and is used safely.

### **Outcome 3**

Select and safely use hand tools.

Range tools may include but are not limited to – hammer, spanner, handsaw, screwdriver, tape measure and ruler.

### **Performance criteria**

3.1 Hand tools selected are appropriate to the task.

3.2 Hand tools are inspected and confirmed free of damage prior to use.

3.3 Use of hand tools whilst suspended on-rope is appropriate to the task.

3.4 On-rope use of hand tools is safe and effective.

### **Outcome 4**

Select and safely use portable power tools.

Range tools may include but are not limited to – electric drill, grinder, cutting equipment, electric saw, sanders.

**Performance criteria**

- 4.1 Power tools selected are appropriate to the task.
- 4.2 Power tools are inspected and confirmed as safe for use in accordance with manufacturers' instructions and enterprise procedures.
- 4.3 Methods of protection are identified and implemented, appropriate to the task.
- 4.4 On-rope use of power tools is safe and effective.

**Outcome 5**

Select and safely use plant.

Range plant may include but is not limited to – water blaster, sand blaster, welding equipment, paint guns.

**Performance criteria**

- 5.1 Plant selected is appropriate to the task.
- 5.2 Plant is inspected and confirmed as safe for use in accordance with manufacturer's instructions and enterprise procedures.
- 5.3 On-rope use of plant is safe and effective.
- 5.4 Plant is decommissioned in accordance with manufacturer's instructions and enterprise procedures.

**This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.**

**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	28 November 2002	31 December 2021
Review	2	23 March 2006	31 December 2021
Review	3	22 August 2019	31 December 2021

**Consent and Moderation Requirements (CMR) reference**

0183

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.