

<b>Title</b>	<b>Lead a team to complete advanced rigging work</b>		
<b>Level</b>	<b>5</b>	<b>Credits</b>	<b>15</b>

<b>Purpose</b>	People credited with this unit standard are able to lead a team to: prepare site; move, place and secure a load; ensure continuing stability of the load and the structure; and dismantle and remove loadshifting equipment.
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<b>Classification</b>	Lifting Equipment > Core Rigging
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Definitions  
*Rigging* – as defined in the *Approved Code of Practice for Load-Lifting Rigging*.  
*A team* is any temporary or permanent group of at least three people with a shared purpose or objective. For the purpose of this unit standard, the team does not require formal structures or reporting processes.
- 2 All tasks must be carried out in accordance with industry good practice based on:
  - a quality management systems;
  - b the Approved Code of Practice for Load-lifting Rigging available from: <https://worksafe.govt.nz/topic-and-industry/load-lifting-and-rigging/>;
  - c designer's requirements and manufacturers' operating instructions, legislation, regulations, bylaws, Health and Safety at Work Act 2015, and New Zealand Standards; and
 any subsequent amendments and replacements.
- 3 Those undertaking assessment against this unit standard should note that work in the rigging industry can take place at heights well above ground level and, therefore, requires physical fitness and ability to work at heights.
- 4 This range statement applies to the whole unit standard and defines *advanced rigging* as follows:  
The equipment range must include work associated with at least seven of the following: all hoists; cantilevered crane loading platforms fixed to the building and structure; de-rigging of cranes; conveyors; tilt-slabs; dismantling; dual lifts; rigging of gin poles; shear legs; flying foxes and cableways; guyed derricks and structures; load equalising gear.

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## Outcomes and performance criteria

### Outcome 1

Lead a team to prepare site for advanced rigging work.

#### Performance criteria

- 1.1 Coordinate the team to isolate the site.
- 1.2 Instruct the team to carry out safety procedures and install signage on site.
- 1.3 Coordinate team members to assemble and erect rigging equipment appropriate to job.

### Outcome 2

Lead a team to move a load.

#### Performance criteria

- 2.1 Organise the team to move a load in accordance with planned hazard prevention and control measures.
- 2.2 Lead a team so that work is performed without injury to persons or damage to components and/or equipment at heights, on uncompleted structures, and/or in confined and enclosed spaces.  
  
Range includes but is not limited to – safety nets, static lines, fall arrest systems.
- 2.3 Inspect the load connection equipment and the load movement equipment, and lead a team to connect to a load.  
  
Range may include but is not limited to – slings, rope, shackles, eye bolts, spreader beams and equalising gear, clamps, pulley systems, chain blocks and pull lifts, winches; evidence of six is required.
- 2.4 Calculate safe working loads using load charts.
- 2.5 Organise the team to move a load without injury to persons or damage to components or equipment.  
  
Range may include but is not limited to – communication and signal methods, centre of gravity of load, access, obstacles, wind conditions, final resting place, design specifications, stability, use of load shifting equipment, use of rigging gear.

**Outcome 3**

Lead a team to place and secure a load.

**Performance criteria**

- 3.1 Coordinate the team to select and check materials and methods used for fixing, anchoring, bracing, supporting, and securing a load (temporary and permanent).
- 3.2 Direct the team to lower load without injury to persons or damage to components or equipment, using appropriate equipment and communication.
- 3.3 Direct the team to follow the design and/or engineer's specifications during placement and securing of load.

**Outcome 4**

Lead a team to ensure continuing stability of the load and the structure.

**Performance criteria**

- 4.1 Lead the team to maintain the stability of the load during the load movement procedure in accordance with the design and/or engineer's specifications.
- 4.2 Lead the team to maintain stability of the structure in accordance with manufacturer's and design specifications.
- 4.3 Assess local conditions which may affect continuing stability of the load and the structure, and guide the team on the measures to be taken to ensure continuing stability.

**Outcome 5**

Lead a team to dismantle and remove loadshifting equipment.

**Performance criteria**

- 5.1 Coordinate the team to dismantle loadshifting equipment without injury to persons or damage to components and/or equipment in an orderly manner.
- 5.2 Dismantle items brought on site in accordance with manufacturers' specifications.
- 5.3 Coordinate transportation of loadshifting equipment in sequence for unloading and storing.
- 5.4 Confirm the dismantling and transportation of the loadshifting equipment is completed by the team.

<b>Replacement information</b>	This unit standard replaced unit standard 4218.
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<b>Planned review date</b>	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	27 June 2019	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	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](mailto:reviewcomments@skills.org.nz) if you wish to suggest changes to the content of this unit standard.