

Title	Plan work and prepare equipment for advanced rigging		
Level	5	Credits	15

Purpose	People credited with this unit standard are able to: plan; select; inspect, and repair materials, tools and equipment. They are also able to coordinate transport to and from site.
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Classification	Lifting Equipment > Core Rigging
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Available grade	Achieved
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Guidance Information

- 1 *Rigging* – as defined in the *Approved Code of Practice for Load-Lifting Rigging*.
- 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 The range statement which applies to the whole unit standard and defines *advanced rigging* is 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.

Outcomes and performance criteria

Outcome 1

Plan an advanced rigging job.

Performance criteria

1.1 Interpret site plans and drawings.

Range work specifications;
hazards – overhead, on-ground, underground; load moving equipment.

1.2 Prepare line drawings and site sketches.

Range marking plans, lift plans, material schedules, site access and egress, site dimensions.

1.3 Determine and confirm mass and dimensions of load.

1.4 Check job feasibility and schedule with the site manager.

1.5 Plan job.

Range job method and sequence, hazard prevention and/or control measures, lift plan, safety procedures, coordination with site personnel, materials, tools and equipment, approvals for work and persons.

1.6 Consult engineer and/or manufacturer's instructions to inform complex load movement tasks.

Outcome 2

Select, inspect, and repair materials, tools and equipment.

Performance criteria

2.1 Inspect rigging equipment, materials, and tools, and repair or reject damaged or worn items.

2.2 Arrange alteration of standard equipment, materials, and tools for the job.

2.3 Verify that special equipment for the job is manufactured in accordance with industry good practice.

2.4 Prepare safe working loads and rigging gear.

Outcome 3

Coordinate transport of equipment to and from site.

Performance criteria

3.1 Load equipment and tools on transport in the sequence required for erection or dismantling of job.

- 3.2 Prepare load in a manner that prevents injury to personnel and damage to components in transit.

Replacement information	This unit standard replaced unit standard 4217.
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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	27 June 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 reviewcomments@skills.org.nz if you wish to suggest changes to the content of this unit standard.