

Title	Complete advanced rigging work		
Level	4	Credits	55

Purpose	People credited with this unit standard are able, for advanced rigging work, to: prepare site; move, place, and secure loads; ensure continuing stability; and dismantle and remove loadshifting equipment.
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Classification	Lifting Equipment > Rigging
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Available grade	Achieved
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Guidance Information

- 1
 - a Rigging is defined in the Approved Code of Practice for Load-Lifting Rigging, available online under 'publications' at <http://www.osh.govt.nz> and issued pursuant to the Health and Safety in Employment Act 1992 (HSE).
 - b All outcomes are to be satisfied in the workplace environment(s) or equivalent.
- 2 All tasks are carried out in accordance with the designer's requirements and enterprise procedures based on industry requirements in:
 - a Quality management systems.
 - b Health and safety requirements and guidelines relating to unit standards.
 - c Manufacturer's operating instructions.
 - d Government and Local Government legislation, regulations and bylaws.
- 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 a relevant level of physical fitness and ability to work at heights.
- 4 The range statement which applies to the whole unit standard and defines advanced is as follows:
 The equipment range is to include work associated with: movement of plant and equipment; steel erection; all hoists; placement of pre-cast concrete; static lines and fall arrest systems; mast climbers; perimeter safety screens and shutters; cantilevered crane loading platforms fixed to the building and/or structure; rigging of cranes; conveyors; dredges and draglines; tilt-slabs; dismantling; dual lifts; rigging of gin poles; shear legs; flying foxes and cableways; guyed derricks and structures; suspended scaffolds; and fabricated hung scaffolds.

Outcomes and performance criteria

Outcome 1

Prepare site for advanced rigging work.

Performance criteria

- 1.1 Site is isolated by barriers in accordance with enterprise procedures.
- 1.2 Safety procedures and signage are carried out to site specific procedures and HSE code of practice.
- 1.3 Rigging equipment appropriate to job is assembled and erected in accordance with manufacturers' specifications.

Outcome 2

Move load.

Performance criteria

- 2.1 Load is moved in accordance with planned hazard prevention and control measures, in accordance with HSE code of practice and manufacturers' specifications.
- 2.2 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 in accordance with HSE code of practice and enterprise procedures.

Range safety nets, static lines, fall arrest systems.
- 2.3 Load connection equipment and, where appropriate, load movement equipment are inspected and connected to load in accordance with manufacturers' specifications and HSE code of practice.

Range slings, rope, shackles, eye bolts, spreader beams and equalising gear, clamps, pulley systems, chain blocks and pull lifts, winches, jacks, skids, skates and sliding shoes, rollers, cradle timbers, chocks and wedges, packers, fish-plates and bolts, feeler gauges, rigging screws, turfers, turn buckles.
- 2.4 Safe working loads are calculated using load charts.
- 2.5 Load is moved without injury to persons or damage to components or equipment using HSE code of practice and enterprise procedures.

Range 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

Place and secure the load.

Performance criteria

- 3.1 Materials and methods used for fixing, anchoring, bracing, supporting, and securing the load (temporary and permanent) are checked and selected in accordance with HSE code of practice and enterprise procedures.
- 3.2 Load is lowered without injury to persons or damage to components or equipment, using appropriate equipment and communication in accordance with HSE code of practice and enterprise procedures.
- 3.3 Designer’s specifications are followed during placement and securing of load.

Outcome 4

Ensure continuing stability.

Performance criteria

- 4.1 Stability of load is maintained during the load movement procedure in accordance with the manufacturer’s and designer’s specifications and enterprise procedures.
- 4.2 The load and/or structure is completed in accordance with manufacturer’s and designer’s specifications.
- 4.3 Local conditions which may affect continuing stability are identified and measures taken to ensure continuing stability in accordance with HSE code of practice and enterprise procedures.

Outcome 5

Dismantle and remove loadshifting equipment.

Performance criteria

- 5.1 Loadshifting equipment is dismantled without injury to persons or damage to components and/or equipment in an orderly manner, in accordance with manufacturers’ specifications and enterprise procedures.
- 5.2 Items brought on site are dismantled in accordance with manufacturers’ specifications and enterprise procedures.
- 5.3 Transport is coordinated in sequence required for unloading and storing in accordance with enterprise procedures.

Replacement information	This unit standard was replaced by unit standard 31816.
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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	18 June 1995	31 December 2021
Revision	2	24 April 1999	31 December 2021
Revision	3	20 May 2002	31 December 2021
Review	4	23 March 2006	31 December 2021
Review	5	27 June 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>.