Title	**Complete intermediate rigging work**		
Level	**4**	**Credits**	**10**

Purpose	People credited with this unit standard are able, for intermediate rigging work, to: prepare site; move, place, and secure the load; ensure continuing stability; and dismantle and coordinate transport of load shifting equipment.

Classification	Lifting Equipment > Core Rigging

Available grade	Achieved

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 the industry good practice and based on:
- a quality management systems;
- b designer's requirements and manufacturers' operating instructions; and government and local government legislation, regulations, bylaws, Health and Safety at Work Act 2015, and New Zealand Standards;
- c the most up to date version of the Approved Code of Practice for Load-lifting Rigging is available online from: https://worksafe.govt.nz/topic-and-industry/load-lifting-and-rigging/; and
all 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 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 intermediate as follows:

The equipment range is to include work associated with: movement of plant and equipment; all hoists, static lines and fall arrest systems; mast climbers; perimeter safety screens and shutters; rigging of cranes; conveyors; dredges and draglines; dismantling; and dual lifts.

The equipment range is to exclude work including use of: rigging of gin poles and shear legs; flying foxes and cableways; guyed derricks and structures; scaffolds.

Outcomes and performance criteria

Outcome 1

Prepare site for rigging work.

Performance criteria

1.1 Site is isolated.

1.2 Safety procedures and signage are carried out in accordance with site specific procedures.

1.3 Rigging equipment appropriate to the job is assembled and erected.

Outcome 2

Move load.

Performance criteria

2.1 Load is moved in accordance with planned hazard prevention and control measures.

2.2 Work is performed safely at heights, on uncompleted structures, and/or in confined and enclosed spaces.

Range safety nets, static lines, fall arrest systems.

2.3 Load connection equipment and where appropriate load movement equipment is inspected and connected to load in accordance with manufacturers' specifications.

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, tirfors, turn buckles.

2.4 Safe working loads are calculated using load charts.

2.5 Load is moved safely in accordance with site specific 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 site specific procedures.

3.2 Load is lowered safely using appropriate equipment and communication.

3.3 Designer's specifications are followed during placement and securing of load.

Outcome 4

Ensure continuing stability of the load.

Performance criteria

4.1 Stability of the load is maintained during the load movement procedure in accordance with the manufacturer's specifications.

4.2 The load and/or structure is completed in accordance with manufacturer's specifications.

4.3 Local conditions which may affect continuing stability are identified and measures taken to ensure continuing stability.

Outcome 5

Dismantle and coordinate transport of load shifting equipment.

Performance criteria

5.1 Load shifting equipment is dismantled safely in accordance with manufacturers' specifications.

5.2 Items brought on site are dismantled in accordance with manufacturers' specifications.

5.3 Transport is coordinated in sequence required for unloading and storing.

Replacement information	This unit standard and unit standard 4215 were replaced by skill standard 40497.

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 2019
Review	2	27 June 1996	31 December 2019
Revision	3	20 April 1999	31 December 2019
Revision	4	20 May 2002	31 December 2020
Review	5	23 March 2006	31 December 2020
Review	6	24 January 2019	31 December 2027
Review	7	27 March 2025	31 December 2027

Consent and Moderation Requirements (CMR) reference	0003

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