

## RIG L3-6 Carry out rigging for regular loads and dogman work

<b>Kaupae</b>   Level	3
<b>Whiwhinga</b>   Credit	15
<b>Whāinga</b>   Purpose	<p>This standard recognises the knowledge and skills required to safely carry out and direct the movement of regular loads in a basic rigging operation.</p> <p>This standard contributes to the Level 3 New Zealand Certificate in Rigging (Level 3) [Ref: 2355].</p>
<b>Whakaakoranga me mātua oti</b>   Pre-requisites	<p>Pre-requisite</p> <ul style="list-style-type: none"> <li><i>RIG L3-2</i> – Calculate load weights and lifting capacity (Level 3, 4 credits)</li> </ul> <p>Co-requisites</p> <ul style="list-style-type: none"> <li><i>RIG L3-1</i> – Use and care of rigging plant equipment and tools (Level 3, 6 credits), or equivalent knowledge and skills.</li> <li><i>RIG L3-3</i> – Prepare loads for rigging (Level 3, 10 credits), or equivalent knowledge and skills.</li> </ul>

### Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria

Hua o te ako   Learning outcomes	Paearu aromatawai   Assessment criteria
1. Plan and prepare regular load lifts.	a. Confirms lift plan and sets up for planned load lift.
	b. Confirms calculations for selected plant and equipment to meet specified load, load weight and movement requirements.
	c. Identifies and implements site and rigging safety measures.
	d. Selects and carries out inspection of lifting, moving and handling equipment.
	e. Confirms load lifting equipment is capable of safely moving the load.
	f. Prepares the work area safety before lifting and positioning activities take place.
	g. Attaches lifting, moving, and handling equipment securely to the load using approved methods to manage control and balance.

	h. Visually inspects set anchor points for load lift.
	i. Work area is checked and confirmed that lift operation can proceed.
2. Undertake safe and effective load movement control and balance during operations.	a. Confirms lift plan, sequencing of lift, and communications methods with people involved in the rigging operation and people in the area of operation.
	b. Load and equipment secured and protected before moving operation starts.
	c. Directs rigging operation in accordance with defined industry communication signals and agreed team communication methods.
	d. Maintains effective load control and balance.
3. Disestablish lifting assemblies for transit.	a. Disestablishes lifting assembly in accordance with instructions and specifications.
	b. Inspects for damaged and/or faulty assembly components in accordance with manufacturer requirements and workplace procedures.
	c. Prepares load for transit in a way that minimises risk to people and potential damage to plant and equipment.
	d. The sequence of loading, unloading and restraining of plant and equipment is appropriate.
	e. Leaves the worksite in a safe condition.

### Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria

#### Assessment specifications:

Ākonga must demonstrate knowledge and skills to safely perform basic rigging and dogging, including planning, preparing and moving loads safely and effectively for regular lift scenarios.

Dogging consists of the application of slinging techniques to move a load where loads are lifted and moved using cranes or hoists and the directing of a plant operator in the movement of the load when the load is in and out of sight of the plant operator.

Regular loads fall into one or more categories of uniform weight distribution, concentric loading, regular proportions, and known lifting points.

For mechanical lifts the candidate must be capable of moving regular loads across a variety of basic rigging lifting scenarios and with different lifting arrangements.

For lifts involving cranes the crane must be capable of slewing and luffing. Pendant-controlled and cab-controlled overhead cranes are not appropriate. Directing and controlling loads must be for two

loads, one where the crane operator cannot see the load and is directed by radio communication and one where the operator can see the load and is directed by hand signals.

To achieve this standard the candidate must be capable of consistently performing the requirements:

- on a typical jobsite or equivalent
- with plant and equipment that reflects real world scenarios
- to current and relevant legislation, standards and codes (including safety)
- to requirements set out in accordance with equipment and manufacture guidelines, engineering specifications.

## **Ngā momo whiwhinga | Grades available**

Achieved

## **Ihirangi waitohu | Indicative content**

Technical skills and knowledge

### **Prepare basic rigging operation**

- Basic rigging equipment configurations
- Plant and equipment to meet specified load, load weight and movement requirements for effective load control and balance
- Route and sequence for moving, lifting and positioning of loads
- Site access and egress inspections and requirements
- Potential hazards and risks and safety control measures and equipment
- Packaging and dunnage to protect the load and equipment from damage
- Site coordination requirements, including communication methods for all involved parties
- Load plan for heavy goods vehicle

### **Prepare lifting, moving and handling equipment**

- Select, and inspect the lifting, moving and handling equipment – rejecting and tagging
- Visual inspection of set anchor points
- Assemble lifting system and confirm handling equipment is capable of safely moving the load

### **Move and position load**

- Slings - correctly applied
- Performing test lifts - weight of load is evenly distributed and secure
- Directing – defined industry signals and communications
- Team member communications for promptly addressing issues or concerns during the lift
- Landing the load safely and correctly
- Rigging operation documentation (log books, Job hazard analysis, site permitting, site records)

### **Disestablish lifting assemblies for transit**

- Disestablish assemblies according to instructions and specifications.
- Post use inspections for wear and faults
- Safe loading of equipment and tools, including safety of persons and equipment.
- Sequencing load for loading, and unloading
- Securing of loads to minimise load movement
- Coordination of transit requirements, including procedures for transporting from job site.

Communication, literacy, numeracy and technology

- Marked weights and test load documentation

- Calculation of weights and measurement of dimensions
- Equipment operating capacities and manufacturer guidelines
- Required communication with supervisor

### Rauemi | Resources

Programme guidance information for the New Zealand Certificate in Rigging is available from [qualifications@waihangaararau.nz](mailto:qualifications@waihangaararau.nz).

Approved codes of practice available at [www.worksafe.govt.nz](http://www.worksafe.govt.nz):

- Approved Code of Practice for Load-lifting Rigging
- Approved Code of Practice – Cranes

### Pārongo Whakaū Kounga | Quality assurance information

<b>Ngā rōpū whakatau-paerewa  </b> Standard Setting Body	Waihanga Ara Rau – Construction & Infrastructure Workforce Development Council
<b>Whakaritenga Rārangi Paetae Aromatawai  </b> DASS classification	Service Sector > Lifting Equipment > Core Rigging
<b>Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga  </b> CMR	0183

<b>Hātepe  </b> Process	<b>Putanga  </b> Version	<b>Rā whakaputa  </b> Review Date	<b>Rā whakamutunga mō te aromatawai  </b> Last date for assessment
<b>Rēhitatanga  </b> Registration	1	dd Jun 2024	[dd mm yyyy]
<b>Rā arotake  </b> Planned review date	31 December 2029		

Please contact Waihanga Ara Rau Construction and Infrastructure Workforce Development Council at [qualifications@waihangaararau.nz](mailto:qualifications@waihangaararau.nz) to suggest changes to the content of this skill standard.