40496 Carry out rigging for regular loads and dogman work

Kaupae | Level	3
Whiwhinga | Credit	15
Whāinga | Purpose	This standard recognises the knowledge and skills required to safely carry out rigging for regular loads and dogman work. This standard contributes to the New Zealand Certificate in Rigging (Level 3) [Ref: 2355].

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. Confirm lift plan and sets up for planned load lift.
	b. Confirm calculations for selected plant and equipment to meet specified load, load weight and movement requirements.
	c. Identify and implement site and rigging safety measures.
	d. Select and carry out inspection of lifting, moving and handling equipment.
	e. Confirm load lifting equipment is capable of safely moving the load.
	f. Prepare the work area safety before lifting and positioning activities take place.
	g. Attach lifting, moving, and handling equipment securely to the load, to manage control and balance.
	h. Visually inspect set anchor points for load lift.
	i. Check work area and confirm lift operation to proceed.

Hua o te ako | Learning outcomes	**Paearu aromatawai** | Assessment criteria
2. Undertake safe and effective load movement control and balance during the load lifting operation.	a. Confirm lift plan, sequencing of lift, and communication methods with people involved in the load lifting operation and people in the area of operation.
	b. Secure and protect load and equipment before moving operation starts.
	c. Undertake dogman work to direct a load lifting operation in accordance with defined industry communication signals and agreed team communication methods.
	d. Maintain effective load control and balance.
3. Disestablish lifting assemblies for transit.	a. Disestablish lifting assembly in accordance with instructions and specifications.
	b. Inspect for damaged and/or faulty assembly components in accordance with manufacturer requirements and workplace procedures.
	c. Prepare load for transit in a way that minimises risk to people and potential damage to plant and equipment.
	d. Check sequence of loading, unloading and restraining of plant and equipment is correct.
	e. Leave the worksite in a safe condition.

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

Assessment specifications:

The candidate must demonstrate knowledge and skills to safely perform rigging and dogman duties, including planning, preparing and moving loads safely and effectively for regular lift scenarios.

For mechanical lifts the candidate must be capable of moving regular loads across a variety of 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. The candidate must be capable of directing and controlling regular loads across a variety of lifting scenarios where the crane operator cannot see the load and is being directed by radio communication, and where the operator can see the load and is being directed by hand signals.

Evidence for this standard must be:

- on a jobsite where the rigging operation will take place or in a simulated environment that reflets a real-world scenario
- with plant and equipment that meet industry standards
- to current and relevant legislation, standards and codes (including operational safety practices)
- to requirements set out in accordance with equipment and manufacture guidelines, and engineering specifications.

Definitions:

Dogman work is the application of slinging techniques to move a load where loads are lifted and moved using cranes or hoists and the directing through signals and agreed communication protocols of a plant operator in the movement of the load, when the plant operator:

- cannot see the load
- cannot see the path of travel of either the load or the crane
- cannot see the load landing area
- is too far from the load to judge distance accurately.

Dogman work may also be conducted by the 'Signal Person'.
Regular loads fall into one or more categories of uniform weight distribution, concentric loading, regular proportions, and known lifting points.

Ngā momo whiwhinga | Grades available

Achieved.

Ihirangi waitohu | Indicative content

Prepare for rigging operation

- 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

- Slinging - 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.

Approved codes of practice available at www.worksafe.govt.nz:

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

Pārongo Whakaū Kounga | Quality assurance information

Ngā rōpū whakatau-paerewa | Standard Setting Body	Waihanga Ara Rau – Construction & Infrastructure Workforce Development Council
Whakaritenga Rārangi Paetae Aromatawai | DASS classification	Service Sector > Lifting Equipment > Core Rigging
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga | CMR	0003

Hātepe | Process	**Putanga** | Version	**Rā whakaputa** | Review Date	**Rā whakamutunga mō te aromatawai** | Last date for assessment
Rēhitatanga | Registration	1	27 March 2025	N/A
Kōrero whakakapinga | Replacement information	N/A		
Rā arotake | Planned review date	31 December 2029		

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