

## RIG L4-2 Plan an intermediate rigging operation

<b>Kaupae   Level</b>	4
<b>Whiwhinga   Credit</b>	15
<b>Whāinga   Purpose</b>	<p>This standard recognises the skills required to plan, prepare and coordinate the transit of rigging equipment for an intermediate rigging operation.</p> <p>This standard contributes to the New Zealand Certificate in Rigging (Level 4) [Ref: 2356].</p>

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

<b>Hua o te ako   Learning outcomes</b>	<b>Paearu aromatawai   Assessment criteria</b>
1. Plan requirements for the rigging operation.	a. Identifies project requirements from plans/drawings and specifications.
	b. Confirms work scheduling and resources according to operational requirements.
	c. Assesses load characteristics and movement requirements to specify plant and equipment.
	d. Identifies hazards and acceptable hazard control and safety procedures for load characteristics, movement requirements, and job site requirements.
	e. Prepares field drawings and appropriate paperwork for lift.
	f. Calculates and confirms load design requirements for complex load movements.
	g. Specifies and approves exact rigging and configuration for operational requirements.
2. Select and prepare equipment for job requirements.	a. Selects, inspects, and sets up plant and equipment in accordance with specifications.
3. Coordinate the safe and efficient loading of rigging equipment.	a. Prepares loads for transit in a way that prevents harm to people and damage to plant and equipment.
	b. When loaded plant and equipment are sequenced for assembly.

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

### ***Assessment specifications:***

A competent intermediate rigger will be capable of consistently demonstrating the technical skills and knowledge expected in the planning and preparation of a complex and unfamiliar lift without direct supervision.

An intermediate rigging operations plan must meet workplace and job site requirements and be developed to the standard of a competent intermediate rigger.

Workplace requirements refers to the documented procedures specific to a workplace that set out the standards and required procedures of that workplace.

Job site refers to the work site where the rigging operation will take place.

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

Achieved.

### **Ihirangi waitohu | Indicative content**

#### **Planning the job**

- Job specifications – work specifications and associated documentation, site plan and drawings, load designer instructions, key site persons.
- On-site assessment and environmental conditions
- Load mass and dimension
- Preparation of drawings – marking plans, lift plans, site access and egress, site dimensions
- Risk and hazard prevention and control specifications, including identification of overhead, on-ground, and underground hazards
- Safety procedures
- Work method and sequencing
- Skill set and appropriately authorised persons to schedule a job
- Procedures for final checks and approvals

#### **Rigging plant and equipment**

- Rigging plant and equipment requirements
- Planning assembly of equipment according to manufacturer specifications
- Pre start inspections for unsafe or faulty rigging plant, equipment and tools
- Procedures for final checks and approvals
- Methods and techniques for dismantling lifting assemblies
- Considerations when dismantling assemblies on an operational site – selection of method or technique, size of components, selection of equipment, implication on operation on work activities

#### **Prepare plant and equipment for transit**

- Planning the safe loading and unloading of rigging plant, equipment and tools for job site, including safety of persons and rigging plant, equipment and tools.
- Sequencing of loading for transit of rigging plant, equipment, and tools to a job site for rigging operation
- Coordination of transit requirements, including procedures for transportation to job site.

**Rauemi | Resources**

Programme guidance information for the New Zealand Certificate in Rigging (Level 3) [Ref:2355] 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   Standard Setting Body</b>	Waihanga Ara Rau – Construction & Infrastructure Workforce Development Council
<b>Whakaritenga Rārangi Paetae Aromatawai   DASS classification</b>	Service Sector > Lifting Equipment > Intermediate Rigging
<b>Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga   CMR</b>	0183

<b>Hātepe   Process</b>	<b>Putanga   Version</b>	<b>Rā whakaputa   Review Date</b>	<b>Rā whakamutunga mō te aromatawai   Last date for assessment</b>
<b>Rēhitatanga   Registration</b>	1	dd Jun 2024	[dd mm yyyy]
<b>Kōrero whakakapinga   Replacement information</b>	This skill standard replaces unit standard 4214		
<b>Rā arotake   Planned review date</b>	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.