

40498**Plan intermediate rigging operations**

Kaupae Level	4
Whiwhinga Credit	15
Whāinga Purpose	<p>This standard recognises the skills required to plan and prepare for intermediate rigging operations.</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

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Plan requirements for intermediate rigging operations.	a. Identify project requirements from plans/drawings and specifications.
	b. Confirm work scheduling and resources needed for a rigging operation in accordance with operational requirements.
	c. Assess load characteristics and movement requirements to specify plant and equipment.
	d. Identify hazards and acceptable hazard control and safety procedures for load characteristics, movement requirements, and job site requirements.
	e. Prepare field drawings and appropriate paperwork for lift.
	f. Calculate and confirm load design requirements for complex load movements.
	g. Specify and approve exact rigging and configuration for operational requirements.
2. Select and prepare equipment for the job requirements.	a. Select, inspect, and set up plant and equipment in accordance with specifications.
3. Coordinate the safe and efficient loading of the rigging equipment for transit.	a. Prepare load for transit in a way that prevents harm to people and damage to plant and equipment.
	b. Sequence load in a way that supports and facilitates assembly.

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

The candidate will be capable of consistently demonstrating the technical skills and knowledge expected in the planning and preparation of a complex lift without direct supervision across various environments. A rigging operation that requires from the outset detailed design and detailed planning, precise execution, and involves high-risk is outside the scope of practice of an intermediate rigger. This is considered an *advanced rigging operation* requiring advanced rigging skills.

An intermediate rigging operations plan must meet workplace and jobsite requirements.

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

- with plant and equipment that meets 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:

An *intermediate operation* is defined by the methods and techniques needing to be applied to the movement, including lateral movement and load transfers from one device to another, and the positioning of the complex load.

A *complex load* will have one or more characteristics of unequal weight distribution, irregular shape, offset or high centre of gravity, and unknown lifting points.

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

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

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.
- Prestart 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.

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 > Intermediate 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.