

40828**Supervise advanced rigging operations for complex loads**

Kaupae Level	5
Whiwhinga Credit	25
Whāinga Purpose	<p>This skill standard is for people intending to complete qualifications and credentials in advanced rigging operations.</p> <p>People with this skill standard are equipped to supervise a crew in the preparation, execution, and close-out of advanced rigging operations involving complex loads. It also prepares them to assess rigging-related incidents, lead the immediate response, and conduct follow-up investigations.</p> <p>This standard contributes to the New Zealand Certificate in Rigging (Level 5) [Ref: 2357].</p>

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

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Prepare for supervising advanced rigging operations for complex loads.	a. Review control of work requirements and approve advanced rigging operation plan prior to commencement.
	b. Prepare documentation to meet compliance and workplace requirements.
	c. Verify crew and team member competencies.
	d. Verify overall environmental and safety jobsite lift conditions are acceptable.
	e. Verify lifting assembly, substructures, handling equipment and total load on apparatus for appropriateness.
	f. Prepare the crew by confirming they clearly understand the scope of the lift, permit to work requirements, and their responsibilities.
	g. Confirm that all requirements are met and the advanced rigging operation is cleared to proceed.

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
2. Supervise advanced rigging operations.	a. Define supervision responsibilities for on-site rigging operations.
	b. Communicate on-site work safety responsibilities and requirements.
	c. Identify conditions requiring a stop-work order and notification.
	d. Safely and effectively supervise advanced rigging operations.
3. Close out advanced rigging operations.	a. Supervise dismantling of lifting assemblies for transit.
	b. Critique rigging operation with team to identify potential practice improvement.
	c. Complete job close requirements for client and workplace.
4. Review and respond to a rigging incident.	a. Undertake an incident review and debrief.
	b. Make recommendations for workplace improvement change.
	c. Complete incident investigation report and workplace documentation for incident.
	d. Critique completed incident investigation.

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

Assessment specifications:

The candidate will be capable of demonstrating the technical skills and knowledge required to safely and effectively carry out, review, and supervise advanced rigging operations.

The candidate must prepare and supervise two advanced rigging operations, each involving a distinct advanced rigging scenario.

Assessment of Learning Outcome 4 will require provision of an incident scenario/s relevant to an advanced rigging operation, to enable assessment.

Assessment must be conducted in the workplace or in a simulated environment using realistic workplace conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations, including:

- the use of full-scale, industry equipment
- performance of tasks within the timelines expected in a workplace
- participation in jobs comprising a team of three to five members.

Definitions:

An *advanced rigging operation* is characterised by the application of specialised methods and techniques tailored to the movement and precise positioning of complex loads. These operations demand comprehensive design, meticulous planning from the outset, and flawless execution. Due to the inherently high-risk nature of such tasks, they require a high level of expertise and advanced rigging skills.

A *complex load* typically exhibits one or more challenging characteristics, such as uneven weight distribution, irregular geometry, an offset or elevated centre of gravity, or uncertain lifting points, all of which significantly increase the complexity and risk of the lifting operation.

Control of work is a structured approach to ensuring that tasks are carried out safely, minimizing risks of injury, environmental harm, equipment damage, or unplanned loss of containment. It establishes a controlled work environment where hazards are identified, assessed, and mitigated before work begins.

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

Job is a project for which a proposal has been submitted to a client. If awarded, it transitions into an active project requiring planning, resource allocation, scheduling, and execution to meet contractual requirements.

Permit to work requirements are workplace protocols that must be followed to conduct advanced rigging operations involving high-risk activities. These requirements ensure that only personnel with advanced rigging skills undertake such tasks, following strict safety and operational controls.

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

- Supervisor responsibilities on an advanced rigging operation
 - health & safety
 - team
 - verifications
 - uncertified structures
 - incident notification.
- Compliance and workplace requirements for an advanced rigging operation.
- Supervising an advanced rigging operation.

- Factors impacting safe practices, e.g. culture of unsafe behaviours, production taking precedent over safety, checking understanding.
- Hazard identification, and hierarchy of control:
 - elimination
 - substitution
 - isolation
 - engineering controls
 - administrative controls
 - use of personal protective equipment (PPE).
- Emergency contingency planning and incident reporting.
- Incident investigations - principles, analysis (multiple causation and root cause), reporting and operational (including crew) debriefing.
- Conducting a rigging failure or operational failure investigation.
- Conducting an effective critique of a rigging failure or operational failure.
- Techniques for enhanced leadership such as providing feedback to change behaviours, e.g. application of adult learning principles and other techniques – praising and correcting, constructive communication, questioning, coaching.
- Job management and close-out.

Rauemi | Resources

Programme guidance information for the New Zealand Certificate in Rigging (Level 5) [Ref:2357] 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 > Advanced Rigging
PreKo te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	0120

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	24 July 2025	N/A
Kōrero whakakapinga Replacement information	N/A		
Rā arotake Planned review date	31 December 2030		

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.