

40833**Operate a pendant-controlled or remote-controlled overhead crane to lift and place regular loads safely**

Kaupae Level	3
Whiwhinga Credit	15
Whāinga Purpose	<p>This skill standard is for people intending to complete a qualification and/or credentials in crane operation.</p> <p>People with this skill standard have the skills to complete pre-start checks and move regular loads with a pendant-controlled or remote-controlled overhead crane.</p> <p>This skill standard may contribute to New Zealand qualifications designed for crane operation.</p>
Whakaakoranga me mātua oti Pre-requisites	<p>Skill standard 40829 <i>Carry out slinging and communicate effectively in a lifting operations context</i> and skill standard 40830 <i>Sling varied regular loads and direct a crane during lifting operations</i>, or equivalent skills and knowledge.</p>

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

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Complete pre-start checks of a pendant-controlled or remote-controlled overhead crane.	a. Pre-start checks are completed in accordance with manufacturer's specifications and/or company requirements.
	b. Pre-start documentation is completed, and remedial action is taken for any defects.
	c. Potential hazards and risks are identified, including environmental conditions, and appropriate controls are implemented.
	d. An appropriate plan is referred to.
2. Configure the crane to lift, move and place regular loads.	a. Crane is configured according to manufacturer's specifications and local conditions.
	b. Lifting requirements are completed safely.
	c. Crane is parked.

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

Assessment specifications:

Communication methods refer to overhead crane hand signals, radio, and may include other methods as appropriate.

Company requirements refer to instructions to staff on policy and procedures, which are documented in memo or manual format and available in the workplace. These requirements may include site specific requirements, company quality management requirements, manufacturer's requirements, Approved Codes of Practice and guidelines, and legislative requirements

Pre-start checks include selecting lifting equipment and checking it for any issues, and hazard and crane check.

Pre-start documentation may include logbook, inspection template.

Configuration includes assessment of ground conditions/slope.

Lifting equipment may include wire slings, chains, magnets, synthetic slings, lifting beams, spreader bars.

Lifting requirements include safe slinging of loads, lifting, traveling, unloading/placing regular loads, parking the radio remote or pendant controlled gantry crane, and storage of equipment.

Assessment must involve a minimum of two assessor observed lifts.

Definitions:

Overhead crane refers to a crane that is power-driven in both directions and generally has an overhead beam as a main part of its structure.

A *plan* must be referred to which may include a Safe Work Method Statement (SWMS), Standard Operating Procedure (SOP) or a lift plan.

Regular loads have the characteristics of uniform weight distribution, concentric loading or regular proportions, known lifting points, and repetitively lifted.

Ngā momo whiwhinga | Grades available

Achieved.

Ihirangi waitohu | Indicative content

- Pre-start checks and documentation for overhead cranes.
- Hazards associated with the lift.
- Lifting requirements.
- Lifting equipment terminology for functions of critical components.
- Lock out and tag out processes.
- Recognised communication methods for crane operations.
- Care and use of lifting equipment.

Rauemi | Resources

- Approved Code of Practice for Cranes, available from www.worksafe.govt.nz.
- Crane Programme Guidance, available from qualifications@waihangaararau.nz.
- Crane Safety Manual: For Crane Operators & Dogmen (Crane Association of New Zealand), available from www.cranes.org.nz.
- Crane manufacturer specifications and / or company policies applicable to context.

Pārongo Whakaū Kounga | Quality assurance information

Ngā rōpū whakatau-paerewa Standard Setting Body	Waihanga Ara Rau Construction and Infrastructure Workforce Development Council
Whakaritenga Rārangi Paetae Aromatawai DASS classification	Service Sector > Cranes > Crane Operation
Ko 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	27 November 2025	N/A
Kōrero whakakapinga Replacement information	This skill standard replaced unit standard 3800.		
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.