

Title	Prepare to operate, and operate a hydraulic handi crane to lift, travel, and place loads		
Level	4	Credits	8

Purpose	People credited with this unit standard are able to: inspect the worksite, assess the load, and assess the hydraulic handi crane for suitability for the task; carry out hydraulic handi crane pre-use inspection checks, and set up, configure, and confirm the lift plan; select lifting equipment for the hydraulic handi crane, and sling the load; and check the load, and lift, travel and place loads with a hydraulic handi crane.
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Classification	Cranes > Crane Operation
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Available grade	Achieved
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Explanatory notes

- 1 Definitions
The definition of a *crane* is as given in the Health and Safety in Employment (Pressure Equipment, Cranes, and Passenger Ropeways) Regulations 1999.
Hydraulic handi crane – a battery operated crane with control functions connected to the handle. The handle is also part of the steering process
- 2 Assessment
Assessment must be carried out in a crane workplace or equivalent.
- 3 All tasks are to be carried out in accordance with the equipment manufacturers' requirements and company standards and procedures based on industry requirements in:
 - a company quality management systems;
 - b health and safety requirements and guidelines consistent with the Health and Safety in Employment Act 1992 (HSE Act);
 - c equipment manufacturers' operating instructions;
 - d government and local government legislation, regulations, and bylaws;
 - e *Crane Safety Manual*, published by the Crane Association of New Zealand (Inc), PO Box 25 156, Panama Street, Wellington 6146;
 - f *Approved Code of Practice for Load-Lifting Rigging*, published by the Occupational Safety and Health Service of the Department of Labour, available at <http://www.osh.govt.nz>;
 - g *Approved Code of Practice for Cranes*, published by the Occupational Safety and Health Service of the Department of Labour, available at <http://www.osh.govt.nz>.

4 Assessment

For the purposes of assessment of outcome 2, the lift plan must be supplied to the candidate.

Outcomes and evidence requirements

Outcome 1

Inspect the worksite, assess the load, and assess the hydraulic handi crane for suitability for the task.

Evidence requirements

- 1.1 Worksite is inspected for existing and potential hazards in accordance with company procedures.

Range may include but is not limited to – access, egress, proximity to process plant, congestion, overhead service lines, electrical equipment, permanent structures, unauthorised people.
- 1.2 Hazards and potential hazards are managed in accordance with company procedures.
- 1.3 Load is assessed in accordance with company procedures.

Range includes but is not limited to – weight, dimensions, centre of gravity (COG), sling points.
- 1.4 Crane is assessed for suitability for the task in accordance with the results of load assessment and hazard identification.

Outcome 2

Carry out hydraulic handi crane pre-use inspection checks, and set up, configure, and confirm the lift plan.

Evidence requirements

- 2.1 Crane is inspected prior to use in accordance with manufacturer's recommendations and company procedures.
- 2.2 Crane is authorised for use and delivered to the lift location in accordance with company procedures.
- 2.3 Crane is configured, positioned, and set up for lifting at the lift site in accordance with manufacturer's recommendations.
- 2.4 The lift plan is confirmed with all personnel involved, and people in the area of operations, in accordance with company procedures.

Outcome 3

Select lifting equipment for the hydraulic handi crane, and sling the load.

Evidence requirements

3.1 Lifting equipment is selected in accordance with company procedures and the *Approved Code of Practice for Load-Lifting Rigging*.

Range includes but is not limited to – chains, fittings, wire rope slings, nylon web slings, shackles.

3.2 Lifting equipment is inspected for defects in accordance with the *Approved Code of Practice for Load-Lifting Rigging* and company procedures.

Range includes but is not limited to – cracks, stretch, wear, rust, damage, cuts, burns, chemical attack.

3.3 Load is slung in accordance with the *Approved Code of Practice for Load-Lifting Rigging*.

Outcome 4

Check the load, and lift, travel and place loads with a hydraulic handi crane.

Evidence requirements

4.1 Crane takes the weight in accordance with crane manufacturer’s recommendations, and company procedures.

4.2 Load is checked for the presence of hazards in accordance with company procedures.

4.3 Load is lifted, and placed in accordance with crane manufacturer’s requirements, *Approved Code of Practice for Cranes*, and company procedures.

4.4 Crane is travelled with a suspended load in accordance with crane manufacturer’s recommendations.

4.5 Crane remains stable throughout the load lifting, travelling, and placing operation.

Planned review date	31 December 2016
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	20 August 2010	30 June 2013
Review	2	15 March 2012	N/A

Consent and Moderation Requirements (CMR) reference

0025

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact The Skills Organisation at reviewcomments@skills.org.nz if you wish to suggest changes to the content of this unit standard.