

Title	Use a truck loader crane to lift and place regular loads		
Level	3	Credits	15

Purpose	<p>People credited with this unit standard are able:</p> <ul style="list-style-type: none"> – demonstrate knowledge using a truck loader crane; – demonstrate knowledge of truck loader crane equipment and attachments; – sling, lift, move, and unload or place regular loads using a truck loader crane in the workplace; – secure and prepare the truck loader crane for road transport mode, stow equipment, and complete documentation; and – carry out daily and weekly operator maintenance of a truck loader crane.
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Classification	Cranes > Crane Operation
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Available grade	Achieved
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Prerequisite	Unit 30072, <i>Demonstrate and apply knowledge of slinging regular loads safely</i> , or demonstrate equivalent knowledge and skills.
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Guidance Information

1 Definitions

Crane – the definition as given in the Health and Safety in Employment (Pressure Equipment, Cranes, and Passenger Ropeways) Regulations 1999.

Industry good practice – practice that meets the requirements of the Approved Code of Practice for Cranes, Approved Code of Practice for Load-lifting Rigging, and the Crane Safety Manual.

Regular loads have the following characteristics – uniform weight distribution; concentric loading or regular proportions; known lifting points; repetitively lifted.

2 Assessment

- Assessment must be carried out in a crane workplace or other non-simulated environment. Non-simulated environment means; working with the skill sets required in authentic experience in an organisational context, with commercial competence and the expectations and possible consequences of that context.
- Assessment must involve a minimum of two different assessor observed lifts.

3 All tasks are to be carried out in accordance with the equipment manufacturer requirements, applicable company procedures, and industry good practice found in the following sources:

- a company quality management systems;
- b health and safety requirements and guidelines consistent with the Health and Safety at Work Act 2015;
- c equipment manufacturer requirements;
- d government and local government legislation, regulations, and bylaws;
- e *Crane Safety Manual*, version 3 or higher, available from <http://shop.cranes.org.nz/>;
- f *Approved Code of Practice for Cranes*, available from <http://www.business.govt.nz/worksafe/information-guidance/all-guidance-items>.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of using a truck loader crane.

Performance criteria

- 1.1 Demonstrate knowledge of the hazards associated with the operation of a truck loader crane.

Range may include a winch for specific workplaces that have these available.
- 1.2 Demonstrate knowledge of operational requirements applicable to a truck loader crane.

Range includes but is not limited to – authorisation to use equipment, pre-start checks and service, fault reporting, operation cycle, stowing.
- 1.3 Demonstrate knowledge of the requirements for lock out and tag out processes for a truck loader crane.

Outcome 2

Demonstrate knowledge of truck loader crane equipment and attachments.

Performance criteria

- 2.1 Describe the functions of critical components and equipment using lifting equipment terminology.

Range may include but is not limited to – brakes, ropes, sheaves, load equalisers, load indicators, limit warning devices, pallet fork, grabs, rotator, slings, spreaders, hooks, clamps, magnets, suction plates, fixed man-cages, chains.
- 2.2 Describe procedures for the care and use of the lifting equipment.

Range may include but is not limited to – pallet fork, grabs, rotator, slings, spreaders, hooks, clamps, magnets, suction plates, fixed man-cages, ropes, chains.

Outcome 3

Sling, lift, move, and unload or place regular loads using a truck loader crane.

Performance criteria

3.1 Identify and control hazards.

Range may include but is not limited to – slope, stability, obstructions, field of vision, load route, other people, load hazards, remote controls, operator position, working at heights.

3.2 Confirm any person directing lifts and the communication methods to be used.

3.3 Assess load to determine whether it is within the lifting capacity of the crane.

3.4 Position and level truck.

Range includes but is not limited to – park brake applied, stabilisers used, plates, packing.

3.5 Check and set up truck loader crane in preparation for slinging load.

3.6 Select and check lifting equipment, and sling load.

Range may include but is not limited to – pallet fork, grabs, rotator, slings, spreaders, hooks, clamps, magnets, suction plates, fixed man-cages, ropes, chains.

3.7 Check load to be free of attachments and restraints while maintaining load stability.

3.8 Assess the lift, the load, equipment, and truck to ensure they are stable for the entire load lifting and placing operation.

3.9 Lift, move, and unload or place regular loads using a truck loader crane.

3.10 Operate truck loader crane in response to recognised crane hand signals.

Range includes but is not limited to – an explanation of the emergency stop and reversing hand signals.

Outcome 4

Secure and prepare the truck loader crane for road transport mode, stow equipment, and complete documentation.

Performance criteria

4.1 Position, stow, and secure truck loader crane.

- 4.2 Prepare truck loader crane for road transport mode and stow lifting equipment.
- 4.3 Record and take action for any defects in crane and equipment.
- 4.4 Complete documentation as required.

Outcome 5

Carry out daily and weekly operator maintenance of a truck loader crane.

Performance criteria

- 5.1 Carry out daily and weekly crane checks and maintenance.

Planned review date	31 December 2022
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	28 June 1999	30 June 2013
Review	2	27 March 2000	30 June 2013
Review	3	20 June 2006	30 June 2013
Revision	4	12 February 2010	30 June 2013
Review	5	15 March 2012	31 December 2018
Review	6	28 September 2017	N/A

Consent and Moderation Requirements (CMR) reference	0003
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

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