

Title	Plan for and lift, move, and place loads using mobile plant, in infrastructure works environments		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to plan for and lift, move, and place loads using mobile plant in an infrastructure works environment.
----------------	---

Classification	Infrastructure Works > Generic Infrastructure Works
-----------------------	---

Available grade	Achieved
------------------------	----------

Guidance Information

- 1 Learning and assessment within this unit standard must be carried out in an infrastructure works environment and in accordance with the following, as relevant to their role, and any subsequent amendments:
 - Health and Safety at Work Act 2015;
 - NZ Gazette, No. 104 – 24 September 2015, Exemption of Equipment Capable of Load-lifting, available from <https://gazette.govt.nz/notice/id/2015-go5666>;
 - Approved Code of Practice for Load-lifting Rigging, December 2012, available from <https://worksafe.govt.nz/>.
- 2 Definitions

Capability refers to the ability of the machine to lift a load safely. Capability may be obtained from plant load charts and manufacturers operators manuals.

Industry best practice refers to minimum standards for works as described in codes of practice, guidelines, and manuals relevant to specific types of work. These may organisational procedures

Lifting gear means the equipment used to link the object or material being lifted to an attachment on a machine.

Loads are any objects that need to be mechanically lifted and moved. For this unit standard, loads do not include loose materials such as aggregates.

Included lift angle refers to the top angle between the slings or chains that must not exceed 120 degrees due to the increase in load placed on the slings or chains.

Organisational procedures refer to instructions to staff and procedures which are documented in memo or manual format and are available in the workplace. These procedures include but are not limited to – site specific procedures, laboratory procedures, manufacturers' specifications, product quality specifications and reference to legislative or regulatory procedures relevant to the industry.
- 3 Assessment parameters will depend on company and site-specific equipment, procedures, and practices. Practices must reflect industry best practice and comply with legislative requirements. The mobile plant operator manual must be available during assessment.

Outcomes and performance criteria

Outcome 1

Plan for lifting, moving and placing loads using mobile plant in an infrastructure works environment.

Range minimum One single slung load and one multiple slung load

Performance criteria

- 1.1 Identify the object to be lifted and assess the weight.
- 1.2 Identify the machine to be used for lifting and ensure it is capable of lifting the object and has a certified lift point.
- Range** may include but is not limited to: wheeled loader, tracked loader, skid steer, telehandler, wheeled excavator, tracked excavator
- 1.3 Select the lifting gear to be used and inspect for current tag and condition including any clutches, shackles or hooks.
- Range** May include but not limited to: chains, web slings, soft slings, taglines
- 1.4 Identify the route to be taken for the moving of the load.
- Range** Safe work zone, level travel path, no obstructions
- 1.5 Perform and document a risk assessment for the task according to company policy
- 1.6 Identify the person in control of the lift and the means of communication.

Outcome 2

Lift, move and place loads using mobile plant in an infrastructure works environment.

Performance criteria

- 2.1 Attach the load
- Range** May include but not limited to: single leg chain, multi leg chain, Basket hitch, choke hitch, web sling, soft sling, tagline.
- 2.2 Perform a test lift

- 2.3 Lift the load and walk the agreed route
- 2.4 Place the load in the agreed position
- 2.5 Unhook the load and place the lifting gear in approved storage
- 2.6 Park the machine in approved parking space.

Planned review date	31 December 2023
----------------------------	------------------

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 July 2018	N/A

Consent and Moderation Requirements (CMR) reference	0101
--	------

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

Comments on this unit standard

Please contact Connexis Infrastructure ITO qualifications@connexis.org.nz if you wish to suggest changes to the content of this unit standard.