

<b>Title</b>	<b>Attach, lift, move, and place loads using mobile plant</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	People credited with this unit standard are able, using mobile plant, to: prepare for a lift; select and inspect plant and lifting equipment; perform lift; communicate with dogman; and attach and pull a load.
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<b>Classification</b>	Extractive Industries > Extractive Industries Management
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Performance of the outcomes of this unit standard must comply with the following:  
Health and Safety at Work Act 2015 (HSW);  
Health and Safety at Work (General Risk and Workplace Management) Regulations 2016;  
Health and Safety at Work (Worker Engagement, Participation, and Representation) Regulations 2016;  
approved codes of practice issued pursuant to the HSW Act.  
  
Performance of the outcomes of this unit standard within an extractives industry context must also comply with the Health and Safety at Work (Mining Operations and Quarrying Operations) Regulations 2016.
- 2 Any new, amended or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.
- 3 This unit standard is for everyday lifting situations. Large and/or complex lifts are not covered by this unit standard. Experienced and trained crane operators are responsible for such lifts. This unit standard does not purport to assess operators to lift in such situations.
- 4 Operators will lift known objects using certified chains and strops.
- 5 Lifts must not exceed the safe working load of the machine and lifting equipment.
- 6 Hooks on buckets and suchlike must be certified by the appropriate authority prior to being used for the lift.
- 7 This unit standard covers use of mobile plant as a lifting device, which for the purposes of this unit standard may include but is not limited to Hiab type, excavators and loaders.

- 8 Operators are required to be a competent operator of the machine in use prior to lifting and moving a load.
- 9 All lifts with mobile plant require an operator with the required drivers' licence and a dogman.
- 10 In all cases, the dogman has overall responsibility for securing, moving, and positioning the load.
- 11 Maths associated with the calculation of weights is not featured in this unit standard. If the operator does not know the weight of the object in question, the lift must not proceed until a person competent to make that calculation has calculated it.
- 12 The operator must ensure safe positioning of the machine before the lift commences.
- 13 Definitions  
*Company procedures* mean the documented methods for performing work activities and include health and safety, operational, environmental, and quality management requirements. They may refer to legislation, regulations, guidelines, standard operating procedures, manuals, codes of practice, or policy statements.  
*Industry best practice* may be documented in management plans, control plans, company procedures, managers' rules, occupational health and safety policy, industry guidelines, codes of practice, manufacturers' instructions, and safe working and/or job procedures (or equivalent).  
*Dogman* for the purposes of this unit standard refers to any person undertaking the duties of such a role. This person does not have to be specifically employed as a 'dogman' at the workplace.
- 14 This unit standard is intended for, but is not limited to, workplace assessment.
- 15 It is recommended that people seeking credit for this unit standard first hold credit for Unit 30442, *Demonstrate knowledge of lifting, moving, and placing loads using mobile plant*.

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## Outcomes and performance criteria

### Outcome 1

Prepare for a lift.

#### Performance criteria

- 1.1 Personal protective equipment (PPE) required for the lift is identified in accordance with the HSW Act 2015 and associated regulations, industry best practice, company procedures and manufacturer's requirements.
- 1.2 Isolation and lockout procedures are described before the lift in terms of their compliance with the HSW Act 2015 and associated regulations, industry best practice, company procedures, and manufacturer's requirements.

1.3 Lift is planned in terms of the required outcome of the lift.

Range planning includes – site, ground conditions, contours, lifted from, lifted to, personnel required, dust, noise, safety exclusion zone and signage, hazards, emergency procedures, company policy in relation to slopes and undulating terrain.

## Outcome 2

Select and inspect plant and lifting equipment.

### Performance criteria

2.1 Load is assessed for weight, size, and configuration in relation to company procedures and the previously calculated weight of the object to be lifted.

2.2 Certified lifting equipment is chosen in relation to that which is appropriate to the load.

Range chains, wire ropes, webbing, synthetic slings, hooks, shackles, collar eyebolts, tag (guide) ropes.

2.3 Before use, lifting equipment is inspected for soundness according to company procedures.

2.4 Plant is selected to meet statutory and company requirements for the proposed load and lifting task.

2.5 Rating lifting slings are described in accordance with industry best practice.

## Outcome 3

Perform lift.

### Performance criteria

3.1 Lifting and attachment points are identified.

Range centre of gravity, methods of attachment, purpose-made lifting points.

3.2 Lifting equipment is attached to ensure maximum stability in accordance with the HSW Act 2015 and associated regulations, industry best practice, company procedures, and manufacturer's requirements.

3.3 Hooks and shackles are attached in accordance with codes of practice, manufacturer's specifications, and standards relevant to the industry.

3.4 Test lift is conducted in accordance with dogman's instructions.

- 3.5 Load is lifted, moved, and placed in accordance with the lift plan, the HSW Act 2015 and associated regulations, industry best practice, company procedures, and manufacturer's requirements.
- 3.6 Incremental positioning of the load is conducted in accordance with dogman's instructions in a controlled and safe manner.
- 3.7 Lifting equipment is detached, and all equipment is stored in accordance with HSW Act 2015 and associated regulations, industry best practice, company procedures, and manufacturer's requirements.

#### **Outcome 4**

Communicate with dogman.

##### **Performance criteria**

- 4.1 Dogman is re-affirmed as 'in control' of the lift in accordance with safety best practice.
- 4.2 Signals to be used are confirmed and demonstrated before the lift proceeds in accordance with industry best practice and/or company procedures.
- 4.3 Blind spots are identified and person and machine positions determined through communication with the dogman before the lift in accordance with industry best practice and/or company procedures.
- 4.4 Emergency signals and responses for use during the lift are determined and demonstrated before the lift.
- 4.5 Communication with and placement of additional personnel are clarified with dogman before the lift.

#### **Outcome 5**

Attach and pull a load.

##### **Performance criteria**

- 5.1 Direction of pull and equipment required are identified and equipment is checked in accordance with company procedures.
- 5.2 Attachment points are identified and objects within the field of the pull are removed.
- 5.3 Pulling equipment is attached to ensure maximum stability in accordance with industry best practice and/or company procedures.
- 5.4 Test pull is conducted in accordance with dogman's instructions.
- 5.5 Load is pulled in accordance with the dogman's instructions.

- 5.6 Pulling equipment is detached, and all equipment is stored in accordance with industry best practice and company procedures.

<b>Planned review date</b>	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	25 November 2000	31 December 2011
Review	2	27 January 2005	31 December 2011
Review	3	18 March 2011	31 December 2017
Review	4	18 June 2015	N/A
Rollover and Revision	5	25 January 2018	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0114
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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 MITO New Zealand Incorporated [info@mito.org.nz](mailto:info@mito.org.nz) if you wish to suggest changes to the content of this unit standard.