

<b>Title</b>	<b>Dragline or clamshell using a track crawler crane</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>6</b>

<b>Purpose</b>	People credited with this unit standard are able to: prepare a track crawler crane for dragline or clamshell service; perform dragline or clamshell activities; and re-rig and functionally test the track crawler crane for routine use, and complete documentation.
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<b>Classification</b>	Cranes > Crane Operation
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<b>Available grade</b>	Achieved
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<b>Entry information</b>	
<b>Critical health and safety prerequisites</b>	Unit 3795, <i>Configure and position a mobile crane and lift and place regular loads</i> , or demonstrate equivalent knowledge and skills.

**Explanatory notes**

- 1 Definition  
The definition of a *crane* is as given in the Health and Safety in Employment (Pressure Equipment, Cranes, and Passenger Ropeways) Regulations 1999.
- 2 Assessment  
Assessment must be carried out in a crane workplace or equivalent.  
All activities must be undertaken using twin winch dragline or clamshell control.  
Clamshell activities must be undertaken with individual opening and closing ropes.
- 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.
- 4 HSE Act Codes of Practice are available from the Occupational Safety and Health Service of the Department of Labour website, <http://www.osh.dol.govt.nz>.

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## Outcomes and evidence requirements

### Outcome 1

Prepare a track crawler crane for dragline or clamshell service.

#### Evidence requirements

- 1.1 Crane is confirmed as suitable for dragline or clamshell services, in accordance with the crane manufacturer's instructions and company procedures.
- 1.2 Crane is rigged for dragline or clamshell service in accordance with crane manufacturer's and attachment manufacturer's instructions.
- 1.3 Siting of crane and sequence of procedures are planned in accordance with customer and/or authorised personnel requirements.
- 1.4 Safety precautions are taken and hazard control measures are implemented prior to commencement of dragline or clamshell activities in accordance with plan of work and company procedures.

Range ropes, reeving, grabs, boom attachments, fairleads, clamshells, tagline, rope anchorages.

### Outcome 2

Perform dragline or clamshell activities.

#### Evidence requirements

- 2.1 Crane is operated, in accordance with crane manufacturer's and attachment manufacturer's instructions, to throw and retrieve the grab and dump targeted contents.
- 2.2 Hazard control is implemented in accordance with legislative requirements, manufacturer's recommendations, and company procedures.

Range includes but is not limited to - stability of crane; failure of ropes, grab or load.

- 2.3 Daily servicing is carried out in accordance with equipment manufacturers' instructions and company procedures.

### Outcome 3

Re-rig and functionally test a track crawler crane for routine use, and complete documentation.

## Evidence requirements

- 3.1 Crane is re-rigged for routine crawler crane use in accordance with crane manufacturer's instructions and company procedures.
- 3.2 Crane is inspected and tested in accordance with crane manufacturer's instructions and company procedures, prior to the crane being returned to other crawler crane activities.
- 3.3 Documentation is completed in accordance with company procedures and legislative requirements.

Range includes but is not limited to – logs or check sheets.

<b>Planned review date</b>	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	9 April 1995	30 June 2013
Review	2	22 May 1997	30 June 2013
Review	3	27 March 2000	30 June 2013
Rollover and Revision	4	20 June 2006	30 June 2013
Review	5	22 October 2010	30 June 2013
Review	6	15 March 2012	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0025
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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.

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**Comments on this unit standard**

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