

<b>Title</b>	<b>Carry out periodic maintenance checks and servicing for tower cranes or self-erecting tower cranes</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>15</b>

<b>Purpose</b>	People credited with this unit standard are able to: describe and carry out periodic checks and servicing for tower cranes or self-erecting tower cranes.
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<b>Classification</b>	Cranes > Crane Maintenance and Servicing
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<b>Available grade</b>	Achieved
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<b>Entry information</b>	
<b>Recommended skills and knowledge</b>	Unit 3788, <i>Demonstrate knowledge of crane types, and safe practices required in the crane industry</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.
- 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*, and *Approved Code of Practice for Cranes*, 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>.

- 5 This unit standard will enhance the crane servicing skills of crane operators. It could also be useful for those with mechanical and/or electrical engineering backgrounds who wish to enter the crane service industry.
- 6 The periodic crane checks and servicing mentioned in this unit standard are not those that are routinely carried out on a daily and or weekly basis by crane operators.

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## Outcomes and evidence requirements

### Outcome 1

Describe the periodic checks and servicing required for tower cranes or self-erecting tower cranes.

#### Evidence requirements

- 1.1 Periodic checks and servicing required for tower cranes or self-erecting tower cranes are described in accordance with crane manufacturer's recommendations and company procedures.

Range undercarriage, tower system, slew system, cab and/or controls, tower head or A-frame, counter jib or machinery deck, jib, hook, ropes, sheaves, drive limits.

### Outcome 2

Carry out periodic checks and servicing for tower cranes or self-erecting tower cranes.

#### Evidence requirements

- 2.1 Periodic checks for tower cranes or self-erecting tower cranes are carried out in accordance with crane manufacturer's recommendations and company procedures.

Range undercarriage, tower system, slew system, cab and/or controls, tower head or A-frame, counter jib or machinery deck, jib, hook, ropes, sheaves, drive limits.

- 2.2 Servicing for tower cranes or self-erecting tower cranes is carried out in accordance with crane manufacturer's recommendations and company procedures.

Range at least eight of – undercarriage, tower system, slew system, cab and/or controls, tower head or A-frame, counter jib or machinery deck, jib, hook, ropes, sheaves, drive limits.

- 2.3 Documentation is completed in accordance with company procedures.

Range may include but is not limited to – log books, records, crane equipment inventories, purchase orders and/or maintenance requests.

- 2.4 Periodic checks and servicing for motors, controls, and safety devices are carried out in accordance with crane manufacturer's recommendations and company standards.
- 2.5 Periodic checks and servicing for the foundations are carried out in accordance with crane manufacturer's recommendations and company standards.

<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
Review	4	20 June 2006	30 June 2013
Review	5	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.

#### 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.