

Title	Carry out periodic maintenance checks and servicing for overhead cranes		
Level	3	Credits	15

Purpose	People credited with this unit standard are able to describe and carry out periodic checks and servicing for overhead cranes.
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Classification	Cranes > Crane Maintenance and Servicing
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Available grade	Achieved
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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*, 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 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 servicing industry.
- 6 The periodic crane checks and servicing referred to in this unit standard are not those that are routinely carried out on a daily and/or weekly basis by crane operators.

Outcomes and evidence requirements

Outcome 1

Describe the periodic checks and servicing required for overhead cranes.

Evidence requirements

- 1.1 Periodic checks and servicing required for overhead cranes are described in accordance with equipment manufacturers' recommendations and company procedures.

Range crane structure, hoists, ropes and hook blocks, long and cross travel drives, rails, wheels, supporting structure, foundations, motors and controls.

Outcome 2

Carry out periodic checks and servicing of overhead cranes.

Evidence requirements

- 2.1 Periodic checks of overhead cranes are carried out in accordance with crane manufacturer's recommendations and company procedures.

Range crane structure, log and cross travel rails and wheels, drive trains, supporting structure and foundations; motors, controls, safety devices; hoists, ropes, hook blocks.

- 2.2 Servicing of overhead cranes is carried out in accordance with equipment manufacturers' recommendations and company procedures.

Range at least two of – crane structure, long and cross travel rails and wheels, supporting structure and foundations; motors, controls, safety devices; hoists, ropes, hook blocks.

- 2.3 Documentation is completed in accordance with manufacturer's recommendations and company procedures.

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

Planned review date	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
Rollover and Revision	5	22 October 2010	30 June 2013
Review	6	15 March 2012	N/A

Consent and Moderation Requirements (CMR) reference

0025

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 reviewcomments@skills.org.nz if you wish to suggest changes to the content of this unit standard.