

Title	Investigate and report a crane accident		
Level	6	Credits	20

Purpose	People credited with this unit standard are able to: collect crane accident data; analyse the data from the crane accident, and formulate conclusions and recommendations; and write and forward crane accident report.
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Classification	Cranes > Crane Inspection
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Available grade	Achieved
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Entry information	
Critical health and safety prerequisites	Unit 3787, <i>Demonstrate knowledge of regulatory requirements relating to cranes</i> ; and 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.
Assessment may be carried out in real or simulated activities.
- 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>.

- 5 This unit standard is for the investigation and reporting of accidents involving all types of cranes.

Outcomes and evidence requirements

Outcome 1

Collect crane accident data.

Evidence requirements

- 1.1 Site of accident is visited, and information and data relevant to the accident are collected by observation, recording by text and sketches, and photographs.
- Range identity of cranes and/or vehicles involved, accident situation, environmental and weather conditions.
- 1.2 Personnel involved in the crane and/or vehicle operation are interviewed and factual information and data obtained and recorded in accordance with company procedures.
- Range circumstances leading to the accident; the occurrence of the accident itself; injury to people; certificates of registration and fitness; damage to crane and/or vehicle, and/or property; the actions taken by those involved, before, during, and after the accident; competency of personnel.
- 1.3 Witnesses are interviewed and factual information and data obtained and recorded in accordance with company procedures.

Outcome 2

Analyse the data from the crane accident, and formulate conclusions and recommendations.

Evidence requirements

- 2.1 Information and data are analysed, sorted, and prioritised in accordance with company procedures.
- 2.2 Expert assistance is obtained where appropriate to the situation in accordance with company procedures.
- 2.3 Conclusions and recommendations are formulated in relation to the causes, lessons that can be learnt, and measures that should be taken to prevent a recurrence in accordance with company procedures.
- Range equipment, operating techniques, conditions, rules and regulations, training.

Outcome 3

Write and forward crane accident report.

Evidence requirements

3.1 Information and data appropriate to the investigation are compiled in a structured manner in accordance with company procedures.

Range circumstances, facts, occurrences, results, consequences, conclusions, preventative measures, recommendations, statistics.

3.2 The report is written and forwarded in accordance with company procedures.

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
Review	4	20 June 2006	30 June 2013
Review	5	15 March 2012	N/A

Consent and Moderation Requirements (CMR) reference	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 if you wish to suggest changes to the content of this unit standard.