

Title	Describe care and handling of cargo lifting equipment and safe slinging of loads		
Level	2	Credits	3

Purpose	People credited with this unit standard are able to demonstrate knowledge of care and handling of cargo lifting equipment, and safe slinging of loads for cargo operations.
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Classification	Stevedoring and Ports Industry > Cargo Operations
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Available grade	Achieved
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Entry information	
Critical health and safety prerequisites	Open.

Explanatory notes

- 1 Legislation and formal requirements relevant to this unit standard include:
Health and Safety in Employment act 1992;
Approved Code of Practice for Load Lifting Rigging available at <http://www.business.govt.nz/worksafe/information-guidance/all-guidance-items/acop-load-lifting-rigging>.
- 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 References
Crane Safety Manual for Operators/Users (Wellington: Crane Association of New Zealand (Inc), 2008) available at <http://www.cranes.org.nz/>. The section titled *Load Lifting Tackle and Rigging Equipment* is relevant to this unit standard.
- 4 Definitions
Company policies and procedures refer to relevant workplace documents which are current and accessible to candidates, trainers, and assessors, and which comply with legal requirements.
A *regular load* has one or more of the following characteristics: uniform weight distribution, regular proportions, known lifting points, frequently lifted.
An *irregular load* does not have any of the characteristics of a regular load and may have one or more of the following characteristics: unequal weight distribution, irregular shape and proportions, with or without set lifting points.

Outcomes and evidence requirements

Outcome 1

Demonstrate knowledge of the care and handling of cargo lifting equipment.

Evidence requirements

1.1 Defects that render lifting equipment unsafe are identified.

Range lifting equipment includes but is not limited to – wire ropes, non-wire ropes, chains, web slings, cargo nets, hooks, shackles, spreader bars, shortening clutches.

1.2 Care and handling practices that help maintain the safe working condition of cargo lifting equipment are identified.

Outcome 2

Demonstrate knowledge of safe slinging of loads for cargo operations.

Evidence requirements

2.1 The method used to determine the weight of a lift is described.

2.2 The location of safe working load information for lifting equipment is identified.

Range lifting equipment includes but is not limited to – wire ropes, non-wire ropes, chains, web slings, cargo nets, hooks, shackles, spreader bars, shortening clutches.

2.3 Safe working loads for various slings are calculated in accordance with the Approved Code of Practice for Load-Lifting Rigging.

Range a minimum of six slings using different combinations of –
wire rope, chain, flat web;
one leg, two legs, three legs, four legs;
120°, 90°, 60° or less;
straight lift, basket hitch, choke hitch.

2.4 Safe and unsafe practices for slinging regular and irregular loads are described in accordance with company policies and procedures.

Planned review date	31 December 2020
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 July 2003	N/A
Rollover and Revision	2	19 June 2009	N/A
Revision	3	18 September 2009	N/A
Rollover and Revision	4	17 September 2015	N/A

Consent and Moderation Requirements (CMR) reference

0145

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 SSB ssb@email.address if you wish to suggest changes to the content of this unit standard.