

## Inspect, proof load, and certify chainblocks, leverhoists, and wire rope pulling devices

**Level** 5

**Credits** 30

**Purpose** People credited with this unit standard are able to: inspect and proof load chainblocks, leverhoists, and wire rope pulling devices; and record information from proof loading and visual inspection, and certify chainblocks, leverhoists, and wire rope pulling devices for use.

This unit standard is for people involved with inspection and certification of lifting equipment.

**Subfield** Lifting Equipment

**Domain** Rigging

**Status** Registered

**Status date** 23 February 2007

**Date version published** 23 February 2007

**Planned review date** 31 December 2012

**Entry information** Open.

**Accreditation** Evaluation of documentation and visit by NZQA and industry.

**Standard setting body (SSB)** The Skills Organisation

**Accreditation and Moderation Action Plan (AMAP) reference** 0025

This AMAP can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

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### Special notes

- 1 Definition  
Manual lifting devices – chainblocks, leverhoists, wire rope pulling devices.
- 2 International Accreditation New Zealand (IANZ) requirements are available from <http://www.ianz.govt.nz>.
- 3 Working Load Limit (WLL) specifications are found in the standards listed in manufacturer's specifications.

- 4 Manufacturer's specifications are based on internationally recognised standards which include but are not limited to –  
AS 1418: 1997, *Cranes (Including Hoists and Winches) – Serial hoists and winches*, Part 2.  
Directive 98/37/EC on Machinery, available from  
[http://ec.europa.eu/enterprise/mechan\\_equipment/machinery/welcdir.htm](http://ec.europa.eu/enterprise/mechan_equipment/machinery/welcdir.htm)  
Australian Standards (AS) are available from <http://www.standards.com.au/>.
- 5 Lifting Equipment Engineers of New Zealand (LEENZ) requirements and *Code of Practice for the Safe Use of Lifting Equipment* (referred to as the code of practice), are available from LEENZ Inc, PO Box 13015, Onehunga, Auckland.
- 6 Reference  
*OSH Approved Code of Practice for Load-Lifting Rigging*, available from the Occupational Safety and Health Service of the Department of Labour website, <http://www.osh.dol.govt.nz>.

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## Elements and performance criteria

### Element 1

Inspect and proof load chainblocks and leverhoists.

#### Performance criteria

- 1.1 Chainblocks and leverhoists are visually inspected for worn or damaged parts in accordance with manufacturer's specifications.  
  
Range includes but is not limited to – friction discs, load sheave, gears, hooks, load chain.
- 1.2 Chainblocks and leverhoists are proof loaded in accordance with manufacturer's specifications, using hand chain or lever through at least one revolution of load sheave, ensuring there is no slippage at proof load, and no sign of stretch or damage after test.
- 1.3 Chainblocks and leverhoists which are outside manufacturer's wear tolerances, or are damaged, are replaced in accordance with manufacturer's specifications.

### Element 2

Inspect and proof load wire rope pulling devices.

#### Performance criteria

- 2.1 Wire rope pulling devices are visually inspected for worn or damaged parts, and to ensure recommended shear pins are fitted, in accordance with manufacturer's specifications.
- 2.2 Wire rope pulling devices are proof loaded using the rope supplied with the unit, ensuring there is no damage or slippage at proof load and at WLL, in accordance with manufacturer's specifications.

### **Element 3**

Record information from proof loading and visual inspection, and certify chainblocks, leverhoists, and wire rope pulling devices for use.

#### **Performance criteria**

- 3.1 Information from proof loading and visual inspection is recorded in accordance with LEENZ requirements.
- 3.2 Proof load certification is completed in accordance with LEENZ requirements.

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#### **Please note**

Providers must be accredited by the Qualifications Authority, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by the Qualifications Authority before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP 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.