

<b>Domain</b>	<b>RIGGING</b>	<b>Unit ID: 993</b>
<b>Title:</b>	<b>Manoeuvre a load using mechanical lifting equipment</b>	
<b>Level: 3</b>		<b>Credits:7</b>

### **Purpose**

This unit standard specifies the competencies required to manoeuvre a load using mechanical lifting equipment. It includes explaining the factors critical to maneuvering loads, preparing to manoeuvre a load, maneuvering the load and making the load available for production purposes. This unit standard is intended for those who work in lifting machine operations environment.

### **Special Notes**

1. Entry information:  
Prerequisite:
  - *937 - Apply safety rules and regulations in lifting machine operations or demonstrated equivalent knowledge and skills.*
2. Assessment evidence may be collected from a real workplace, or an appropriate simulated realistic environment in which lifting machine operations are carried out.
3. All inspection, operation and maintenance procedures associated with the use of tools and equipment shall comply with manufacturers' specifications, guidelines and instructions.
4. Regulations and legislation relevant to this unit standard include the following:
  - Labour Act, No. 11, 2007
  - Regulations relating to the Health and Safety of employees at work, 1997 and all subsequent amendment.

### **Quality Assurance Requirements**

This unit standard and others within this subfield may be awarded by institutions which meet the accreditation requirements set by the Namibia Qualifications Authority and the Namibia Training Authority and which comply with the national assessment and moderation requirements. Details of specific accreditation requirements and the national assessment arrangements are available from the Namibia Qualifications Authority and the Namibia Training Authority on [www.nta.com.na](http://www.nta.com.na).

## **Elements and Performance Criteria**

### **Element 1: Explain the factors critical to maneuvering loads**

#### **Range**

Consequence may include but are not limited to injury to persons, damage to equipment, loss of production time through breakdowns and increased costs.

#### **Performance Criteria**

- 1.1 The principle of the operation, selection, examination and use of lifting equipment and attachments to manoeuvre a load are explained in line with specified requirements.
- 1.2 The importance of lifting and moving loads, showing a clear understanding of the direct consequences to self and the business is explained.
- 1.3 The possible critical hazards and substandard conditions that may be encountered while lifting and moving the load in a particular context, as well as how to deal with them so as to be consistent with accepted best practice are explained.

### **Element 2: Prepare to manoeuvre a load**

#### **Range**

The consequences may include but are not limited to permission, personal protective equipment, tools, material and equipment, inspection of lifting equipment, hazardous and substandard conditions and mass of the load.

Manual lifting equipment may include but are not limited to tirlor hoists, chain blocks, coffin hoists and rope tackles or rope blocks.

#### **Performance Criteria**

- 2.1 Permission to enter the workplace, when required, is obtained in line with specified requirements.
- 2.2 The required personal protective equipment is selected, examined and used in a way that is consistent with its purpose, design and specified requirements.
- 2.3 The tools, material and equipment that are required for lifting and moving a load are selected, examined and transported in line with specified requirements.
- 2.4 The lifting equipment is inspected in line with specified requirements.
- 2.5 The workplace is examined in line with specified requirements and any hazardous and substandard conditions are dealt with in line with the prescribed procedures.

- 2.6 The mass of the load to be lifted is verified in line with specified requirements.
- 2.7 The consequences that inadequate preparation for the lifting and moving of the load (i.e. not in line with specified requirements and current legislation) may hold for health, safety and production are explained.

### **Element 3: Maneuver the load**

#### **Range**

Consequences may include but are not limited to those for health, safety and production of not lifting and moving the load personal protective equipment, suspension points and attachments, load moved and positioned, work-related hazards and associated risks, interpersonal interaction and the use of tools and equipment.

#### **Performance Criteria**

- 3.1 The required personal protective equipment is used in a way that is consistent with its purpose, design and specified requirements.
- 3.2 Suspension, as well as the attachment points required for lifting and moving the load is examined and dealt with in line with specified requirements.
- 3.3 The load is lifted in line with specified requirements.
- 3.4 The load is moved and positioned in line with specified requirements.
- 3.5 Work-related hazards are dealt with in line with the prescribed procedures and risks associated with lifting and moving loads are explained.
- 3.6 Interpersonal interaction is positive, consistent with specified requirements, promotes effective teamwork, and avoids dysfunctional conflict.
- 3.7 The tools and equipment are used in line with manufacturers' design and without injury to self and others.
- 3.8 The consequences for health, safety and production of not lifting and moving the load in line with specified requirements and current legislation are explained.

### **Element 4: Make the load available for production purposes**

#### **Range**

Consequences may include but are not limited to those related to tools, material and equipment, good housekeeping practices and reporting.

### **Performance Criteria**

- 4.1 The workplace is cleaned and clear so as to be free from hazards, in line with specified requirements and good housekeeping practices.
- 4.2 The report is compiled on the work performed, in compliance with specified requirements for format, content, accuracy and distribution and the report is submitted within the agreed time.
- 4.3 The consequences for health, safety and production of not making the load available for production purposes in line with specified requirements and current legislation are explained.

### **Registration Data**

<b>Subfield:</b>	Lifting, Shifting and Secure Loads
<b>Date first registered:</b>	27 September 2012
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<b>Anticipated review:</b>	2015
<b>Body responsible for review:</b>	Namibia Training Authority