

<b>Domain</b>	<b>RIGGING</b>	<b>Unit ID: 975</b>
<b>Title:</b>	<b>Replace ropes on a dragline</b>	
<b>Level:3</b>		<b>Credits: 3</b>

### **Purpose**

This unit standard specifies the competencies required to replace ropes on a dragline. It includes explaining the factors critical to replacing ropes on a dragline, preparing to and replacing the ropes and testing the ropes and prepare for operation and/or production. This unit standard is intended for those who work as general lifting machine operators.

### **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 replacing ropes on a dragline**

#### **Range**

Explanation for the functions of ropes may include but is not limited to drag ropes, hoist ropes and dump ropes.

#### **Performance Criteria**

- 1.1 The function of the ropes on a dragline is explained in line with specified requirements.
- 1.2 The importance of replacing the ropes on a dragline to achieve healthy, safe production requirements is described in line with specified requirements.
- 1.3 The possible critical workplace hazards that may be encountered while replacing the ropes on a dragline in a particular context are listed, the risks associated with and the factors contributing to each workplace hazard are explained in terms of the safety regulations.
- 1.4 The possible critical work related hazards that may be encountered while replacing the ropes on a dragline in a particular context are listed, the risks associated with and the factors contributing to each work-related hazard are explained in terms of safety regulations.

### **Element 2: Prepare to and replace the ropes**

#### **Range**

Making safe must include placing of bucket and removing tension from ropes.

Consequences may include but are not limited to those of permission, personal protective equipment, tools, material and equipment, workplace examination and interpersonal interaction, workplace hazards and associated risks and locking out and making safe.

#### **Performance Criteria**

- 2.1 Permission 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 Tools, material and equipment required are selected, examined and transported in line with specified requirements.
- 2.4 The workplace is examined and workplace hazards are dealt with in line with specified requirements.

- 2.5 The dragline is locked out and made safe in line with specified requirements.
- 2.6 The consequences for health, safety and production of not preparing to replace the ropes in line with specified requirements, and current legislation are explained.
- 2.7 The required personal protective equipment is used in a way that is consistent with its purpose, design and specified requirements. Personal protective equipment is used to ensure the safety of persons and equipment.
- 2.8 The defective ropes are identified and removed in line with specified requirements for sequence and current accepted best practice.
- 2.9 The replacement ropes are installed in line with specified requirements for sequence, tolerances and current accepted best practice.
- 2.10 Positive interpersonal interaction which is consistent with specified requirements and promotes effective teamwork is employed in exchanging information.

### **Element 3: Test the ropes and prepare for operation and production**

#### **Range**

Consequences may include but are not limited to testing preparation, testing, tools, material and equipment, housekeeping and reporting.

#### **Performance Criteria**

- 3.1 The dragline is prepared for testing purposes in line with specified requirements.
- 3.2 The dragline is test run to determine if the ropes are functioning in line with specified requirements.
- 3.3 Tools, material and equipment selected are dealt with in line with specified requirements.
- 3.4 The workplace is cleaned and freed from hazards in line with specified requirements and housekeeping practices.
- 3.5 The report on work performed which complies with specified requirements for format, content, accuracy and distribution is compiled and delivered within the agreed time.
- 3.6 The consequences for health, safety and production of not testing the ropes 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
<b>Date this version registered:</b>	27 September 2012
<b>Anticipated review:</b>	2015
<b>Body responsible for review:</b>	Namibia Training Authority