

|                 |  |                     |
|-----------------|--|---------------------|
| <b>Domain</b>   | <b>RIGGING</b>                                   | <b>Unit ID: 963</b> |
| <b>Title:</b>   | <b>Replace the bucket assembly of a dragline</b> |                     |
| <b>Level: 2</b> |  | <b>Credits:2</b>    |

### **Purpose**

This unit standard specifies the competencies required to replace the bucket assembly of a dragline. It includes explaining the factors critical to replacing the bucket assembly of a dragline, preparing to replace the bucket assembly of a dragline, replacing the bucket assembly of a dragline, testing the bucket assembly of a dragline and prepare for operation and/or production. 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 replacing the bucket assembly of a dragline**

#### **Range**

Direct consequences may include but are not limited to those of injury to persons, damage to equipment, loss of production time through incorrect replacement and increased costs.

#### **Performance Criteria**

- 1.1 The principle of operation and function of a dragline bucket assembly is explained in line with specified requirements.
- 1.2 The importance of replacing the bucket assembly of a dragline to achieve healthy, safe production requirements in line with specified requirements is explained.

### **Element 2: Prepare to replace the bucket assembly of a dragline**

#### **Range**

Specified requirements and current legislation may include but is not limited to those for permission, personal protective equipment, tools, material and equipment, workplace examination, workplace hazards, identify the dragline and lock out and make 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 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, of which the bucket assembly is to be replaced, is identified in line with specified requirements.
- 2.6 The dragline is locked out and made safe, in line with specified requirements and current accepted best practice.

- 2.7 The consequences for health, safety and production of not preparing to replace the bucket assembly of a dragline in line with specified requirements, and current legislation are explained.

### **Element 3: Replace the bucket assembly of a dragline**

Specified requirements and current legislation may include but are not limited to those for personal protective equipment, work related hazards and associated risks, removing the bucket assembly, installing the bucket assembly, interpersonal interaction, and 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 The bucket assembly is removed in line with sequence and current best practice.
- 3.3 The bucket assembly is installed in line with sequence and manufacturers specification.
- 3.4 Positive interpersonal interaction is demonstrated and is consistent with specified requirements, promotes effective teamwork, and dysfunctional conflict is avoided.
- 3.5 The tools and equipment are used in line with manufacturers' design and without injury to self and others.
- 3.6 The consequences for health, safety and production of not replacing the bucket assembly of a dragline in line with specified requirements, and current legislation are explained.

### **Element 4: Test the bucket assembly of a dragline and prepare for operation and production**

#### **Range**

Specified requirements and current legislation may include but not limited to testing preparation, testing, tools, material and equipment, housekeeping and reporting.

- 4.1 The dragline is prepared for testing purposes in accordance with specified requirements.
- 4.2 The dragline is test run to determine if the replaced bucket assembly is functioning in accordance with specified requirements.
- 4.3 Tools, material and equipment selected are dealt with in accordance with specified requirements.

- 4.4 The workplace is cleaned and free from hazards in accordance with specified requirements and housekeeping practices.
- 4.5 The report on work performed complies with specified requirements for format, content, accuracy and distribution.
- 4.6 The report is delivered within the agreed time.
- 4.7 The consequences for health, safety and production of not testing the bucket assembly of a dragline 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         |