

<b>Domain</b>	<b>RIGGING</b>	<b>Unit ID: 946</b>
<b>Title:</b>	<b>Transfer and secure cargo and stores</b>	
<b>Level: 3</b>		<b>Credits: 8</b>

### Purpose

This unit standard specifies the competencies required to transfer and secure cargo and stores. It includes preparing equipment and vessel for the loading and discharge of cargo stores, loading and discharging cargo and stores and stowing and securing cargo and stores. 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. All work is performed under constant supervision and according to workplace and workshop manual specifications and occupational health and safety and environmental legislation.
2. Environment contexts under which this unit standards is used include but are not limited to:
  - Manufacturing and engineering (Metals, Plastics, Tyre and Rubber, Electrical Power Generation, Automotive Manufacturing).
  - Chemical and Petrochemical.
  - Mining.
  - Transport (Maritime, Road, Rail and Aviation).
  - Civil Engineering and Construction.
  - Food and Beverages.
  - Other engineering-related industry sectors.
3. Assessment evidence may be collected from a real workplace, or an appropriate simulated realistic environment in which lifting machine operations are carried out.
4. All inspection, operation and maintenance procedures associated with the use of tools and equipment shall comply with manufacturers' specifications, guidelines and instructions.
5. 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: Prepare equipment and vessel for the loading and discharge of cargo stores**

#### **Range**

Preparation for loading and discharging of cargo may include but is not limited to cleaning, repairing, replacing, maintaining, and positioning.

Cargo handling equipment may include but is not limited to cranes, derricks, and lifting devices; fork lifts; pumps and pipeline systems; hatch and door controls; dry bulk self-discharging systems; tank cleaning and draining equipment; hatch cleaning and draining systems; ballast systems; and hoists (interdeck).

Preparation for a vessel may include but is not limited to position and stability, fire fighting equipment and environmental protection equipment.

#### **Performance Criteria**

- 1.1 Preparation is carried out in line with established safety rules and regulations, and complies with the supervisor's instructions.
- 1.2 Cargo handling equipment is used in line with the manufacturer's recommendations and statutory requirements.
- 1.3 Actions taken in the event of irregularities, damage, or defects are appropriate to the individual's responsibility and competence. Irregularities beyond the individual's scope are reported to the supervisor within a time frame which enables the situation to be remedied.
- 1.4 Reports of preparation conditions made to the appropriate authority are completed and in the format required by vessel procedures.
- 1.5 The vessel is ready and prepared for the receipt of cargo and stores by the agreed time.

## **Element 2: Load and discharge cargo and stores**

### **Range**

Protective clothing and equipment may include but are not limited to boots, gloves, suits; helmets, glasses, ear defenders and face masks and breathing apparatus.

### **Performance Criteria**

- 2.1 Operations are carried out in line with established safety rules and regulations, and comply with instructions of the person in charge.
- 2.2 The handling of hazardous cargo items complies with industry codes and legislation.
- 2.3 Protective clothing and equipment used during handling of hazardous cargo are appropriate to the nature of the cargo, and are worn and used in line with the manufacturer`s instructions.
- 2.4 Start up and shut down procedures for cargo loading and discharging equipment are applied in line with operating instructions.
- 2.5 Actions taken in the event of operational irregularities, damage, or defects are appropriate to the individual`s responsibility and competence. Irregularities beyond the individual`s scope are reported to the supervisor within a time frame which enables the situation to be remedied.
- 2.6 Reports of loading and discharge conditions made to the appropriate authority are complete and in the format required by vessel procedures.

## **Element 3: Stow and secure cargo and stores**

### **Range**

Stowing and securing of cargo may include but is not limited to stowing and securing cargo with ropes, chains, wires, slings, bottle screws, and specialised equipment used in container and RoRo vessels, shutting down systems and isolating tanks, ensuring water tightness of hatches and other access and segregating cargo.

### **Performance Criteria**

- 3.1 Operations are carried out in line with established safety rules and regulations and comply with the supervisor`s instructions.
- 3.2 The handling of hazardous cargo items is demonstrated in line with industry codes and legislation.
- 3.3 Hazards are determined by size, weight, construction, and chemical properties of cargo items.

- 3.4 Protective clothing and equipment used during stowing and securing hazardous cargo items are appropriate to the nature of the cargo, and are worn and used in line with the manufacturer`s instructions.
- 3.5 Irregularities beyond the individual`s scope are reported to the supervisor within a time frame which enables the situation to be remedied.
- 3.6 Reports of stowing and securing conditions made to the required authority are complete and in the format required by vessel procedures.

### **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