

Domain	RIGGING	Unit ID: 959
Title:	Lift and turn a load as part of rigging operations	
Level: 3		Credits: 4

Purpose

This unit standard specifies the competencies required to lift and turn a load. It includes explaining the factors critical to lifting and turning a load, preparing to replace lift and turn a load, lifting and turning the load and completing the lifting and turning a load process 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. 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.

Elements and Performance Criteria

Element 1: Explain the factors critical to lifting and turning a load

Range

Explanation 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 explanation of the principle of lifting and turning a load is given in line with specified requirements.
- 1.2 The explanation of the importance of lifting and turning a load to achieve healthy, safe production requirements is given in line with specified requirements.
- 1.3 The possible critical workplace hazards that may be encountered while lifting and turning a load in a particular context are explained. The explanation also describes the risks associated with and the factors contributing to each workplace hazard.
- 1.4 The possible critical work related hazards that may be encountered while lifting and turning a load in a particular context are listed and explained. The explanation also describes the risks associated with and the factors contributing to each work-related hazard.

Element 2: Prepare to replace lift and turn a load

Range

Consequences may include but are not limited to those for permission, personal protective equipment, tools, material and equipment, workplace examination, workplace hazards, identifying the load and preparing the load.

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 Personal protective equipment is used to ensure the safety of persons and equipment.
- 2.4 Tools, material and equipment required are selected, examined and transported in line with specified requirements.
- 2.5 The workplace is examined in line with specified requirements. Workplace hazards are dealt with in line with specified requirements.
- 2.6 The load, which is to be lifted and turned, is identified in line with specified requirements.
- 2.7 The load, which is to be lifted and turned, is prepared in line with specified requirements and current accepted best practice.
- 2.8 The consequences for health, safety and production of not preparing to lift and turn a load in line with specified requirements, and current legislation are explained.

Element 3: Lift and turn the load

Range

Consequences may include but are not limited to those for use of personal protective equipment, work related hazards and associated risks, lifting the load, turning the load, interpersonal interaction and use of tools and equipment.

Performance Criteria

- 3.1 Work related hazards are dealt with in line with specified requirements.
- 3.2 The load is lifted in line with specified requirements for sequence and current accepted best practice.
- 3.3 Load is turned in line with specified requirements for sequence, and current accepted best practice.
- 3.4 Interpersonal interaction is positive, consistent with specified requirements and promotes effective teamwork.
- 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 lifting and turning the load in line with specified requirements, and current legislation are explained.

Element 4: Complete the lifting and turning a load process and prepare for operation and production

Performance Criteria

- 4.1 The load that was lifted and turned is prepared for operation and/or production purposes in line with specified requirements.
- 4.2 Tools, material and equipment selected are dealt with in line with specified requirements.
- 4.3 The workplace is cleaned and free from hazards in line with specified requirements and housekeeping practices.
- 4.4 The report on work performed complies with specified requirements for format, content, accuracy and distribution. The report is delivered within the agreed time.

Registration Data

Subfield:	Lifting, Shifting and Secure Loads
Date first registered:	27 September 2012
Date this version registered:	27 September 2012
Anticipated review:	2015
Body responsible for review:	Namibia Training Authority