

Domain	RIGGING	Unit ID: 970
Title:	Install scraper ropes onto scraper winch drums	
Level: 2		Credits:2

Purpose

This unit standard specifies the competencies required to install scraper ropes onto scraper winch drums. It includes explaining specified requirements pertaining to the installation of scraper ropes, prepare to install scraper ropes and install scraper ropes. 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.

Elements and Performance Criteria

Element 1: Explain specified requirements pertaining to the installation of scraper ropes onto scraper winch drums

Range

Workplace hazards may include but are not limited to unsafe support conditions and unsafe ground conditions.

Work related hazards may include but are not limited to uncoiling rope, working with protruding wires, fouling ropes, machinery and equipment, wearing loose clothing and working in proximity of tips.

Performance Criteria

- 1.1 The significant risks associated with the critical workplace hazards while installing ropes onto scraper winch drums are explained.
- 1.2 The significant risks associated with the critical work-related hazards while installing ropes onto scraper winch drums are explained.
- 1.3 The specific requirements regarding the diameter rope to be used on winches with different power ratings and the effects to health, safety and production; if specified requirements are not adhered to, are explained.

Element 2: Prepare to install scraper ropes

Performance Criteria

- 2.1 The required personal protective equipment is available, operational, fit for purpose and used in line with specified requirements.
- 2.2 The required tools, material and equipment are fit for purpose; operational and transported to the designated areas in line with specified requirements.
- 2.3 The area where the ropes are to be installed is examined for workplace hazards according to specified requirements.
- 2.4 Workplace hazards are dealt with according to specified requirements.
- 2.5 Machinery and equipment posing a danger to the health and safety of persons, damage to property and loss of production during the installation of the ropes are locked out and secured according to specified requirements.
- 2.6 The consequences to health, safety and production of not adhering to specified requirements when preparing to install scraper ropes onto scraper winch drums are explained.

Element 3: Install scraper ropes

Range

Specified requirement may include but are not limited to precautions taken to prevent injuries when uncoiling, securing and winding scraper ropes onto drums, uncoiling scraper ropes and securing ropes onto scraper winch drums and winding ropes onto scraper winch drums.

Work-related hazards may include but are not limited to uncoiling rope, working with protruding wires, fouling ropes, machinery and equipment, wearing loose clothing and working in proximity of tips.

Consequences may include but are not limited to non-adherence to specified requirements such as installation of scraper ropes, use of tools and equipment, preparation and storage of tools and equipment, interpersonal interaction and reports.

Performance Criteria

- 3.1 The scraper ropes are installed according to specified requirements.
- 3.2 Tools and equipment are used according to specified requirements and in line with accepted ergonomic principles.
- 3.3 Work-related hazards are dealt with according to specified requirements.
- 3.4 Tools and equipment are prepared and stored for subsequent use and those defective, are dealt with in line with specified requirements.
- 3.5 Reports are completed and submitted in accordance with specified requirements.
- 3.6 The consequences to health, safety and production of not adhering to specified requirements when installing scraper ropes onto scraper winch drums are explained.

Registration Data

Subfield:	Lifting, Shifting and Secure Loads
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