

Domain	RIGGING	Unit ID: 967
Title:	Terminate a steel wire rope by means of capping	
Level: 3		Credits: 2

Purpose

This unit standard specifies the competencies required to terminate a steel wire rope by means of capping. It includes explaining the factors critical to terminating steel wire ropes by means of resin capping, preparing to terminate a steel wire rope by means of resin capping, terminate the steel wire rope by means of resin capping and completing the terminating 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. This unit standard is applicable to resin or white metal capping.
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 terminating steel wire ropes by means of resin capping

Range

Explanation of health and safe productions requirement may include is not limited to injury to persons, damage to equipment, loss of production time through breakdowns and increased costs.

Performance Criteria

- 1.1 The application and purpose of terminating steel wire ropes by means of resin capping is explained in line with specified requirements.
- 1.2 The importance of terminating steel wire ropes by means of resin capping to achieve healthy, safe production requirements is explained in line with specified requirements.
- 1.3 The possible significant workplace hazards that may be encountered while terminating steel wire ropes by means of resin capping in a particular context is explained. The explanation also describes the risks associated with and the factors contributing to each workplace hazard.
- 1.4 The possible significant work related hazards that may be encountered while terminating steel wire ropes by means of resin capping in a particular context is explained.

Element 2: Prepare to terminate a steel wire rope by means of resin capping

Range

Consequences for health, safety and production of not preparing to terminate a steel wire rope may include but are not limited to those for permission personal protective equipment, tools, material and equipment, workplace examination, workplace hazards and positioning the relevant steel wire rope.

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. Personal protective equipment is used to ensure the safety of persons and equipment.

- 2.3 Tools, material and equipment are selected, examined and transported in line with specified requirements.
- 2.4 The workplace is examined in line with specified requirements. Workplace hazards are dealt with in line with specified requirements.
- 2.5 The relevant steel wire rope is positioned in line with specified requirements.
- 2.6 The consequences for health, safety and production of not preparing to terminate a steel wire rope by means of resin capping in line with specified requirements, and current legislation are explained.

Element 3: Terminate the steel wire rope by means of resin capping

Performance Criteria

- 3.1 The resin capping termination is made in line with sequence and current accepted best practice.
- 3.2 Interpersonal interaction is positive, consistent with specified requirements and promotes effective teamwork. The tools and equipment are used in line with manufacturers' design and without injury to self and others.
- 3.3 The consequences for health, safety and production of not terminating the steel wire rope in line with specified requirements, and current legislation are explained.

Element 4: Complete the terminating process, and prepare for operation and production

Range

Consequences for health, safety and production of not completing the terminating process may; include those for tools, material and equipment, good housekeeping and reporting.

Performance Criteria

- 4.1 Tools, material and equipment selected are dealt with in line with specified requirements.
- 4.2 The workplace is cleaned and free from hazards in line with specified requirements and good housekeeping practices.
- 4.3 The report on work performed complies with specified requirements for format, content, accuracy and distribution. The report is delivered within the agreed time.
- 4.4 The consequences for health, safety and production of not completing the terminating process in line with specified requirements and current legislation are explained.

Registration Data

Subfield:	Lifting, Shifting and Secure Loads
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