

Domain	RIGGING	Unit ID: 961
Title:	Examine a winder rope	
Level: 4		Credits: 4

Purpose

This unit standard specifies the competencies required to examine a winder rope. It includes explaining the factors critical to examining a winder rope, preparing to examine a winder rope, examining the winder rope and completing the examining 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. 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 the factors critical to examining a winder rope

Range

Explanation of the principle of examining a winder rope may include but is not limited to tolerance in terms of wear patterns, tolerance in terms of wear rate and tolerance in terms of wire breakage.

Explanation of the importance of examining a winder rope to achieve healthy, safe production requirements may include but is not limited to injury to persons, damage to equipment, loss of production time through breakdowns and increased costs.

Performance Criteria

- 1.1 The principle of examining a winder rope is explained in line with specified requirements.
- 1.2 The importance of examining a winder rope 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 examining a winder rope in a particular context is explained .

Element 2: Prepare to examine a winder rope

Range

Specified requirements may include but are not limited to winding engine driver communication and attachment of relevant testing equipment where relevant.

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

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 required 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 winder rope that is to be examined is identified, and relevant machinery logbook entries completed in line with specified requirements.
- 2.6 The winder rope, which is to be examined, is prepared in line with specified requirements and current accepted best practice.
- 2.7 The consequences for occupational health, safety and production of not preparing to examine a winder rope in line with specified requirements, and current legislation are explained.

Element 3: Examine the winder rope

Range

Specified requirements for sequence, tolerances and current accepted best practice may include but are not limited to wear patterns, wear rate and wire breakage.

Consequences must include those for use of personal protective equipment, work related hazards and associated risks, examining the winder rope, 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. Personal protective equipment is used to ensure the safety of persons and equipment.
- 3.2 Work related hazards are dealt with in line with specified requirements.
- 3.3 The winder rope is examined in line with specified requirements for sequence, tolerances 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 occupational health, safety and production of not examining the winder rope in line with specified requirements, and current legislation are explained.

Element 4: Complete the examining process and prepare for operation and production

Range

Preparation for operation may include but is not limited to winding engine driver communication and detachment of relevant testing equipment where relevant.

Consequences must include those for preparing winding engine for operation and/or production, tools, material and equipment, housekeeping and machinery log book entries (reporting).

Performance Criteria

- 4.1 The winding engine on which the winding rope was examined 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 relevant machinery log book entries are completed in line with specified requirements.
- 4.4 The consequences for occupational health, safety and production of not completing the examining process in line with specified requirements and current legislation are explained.

Registration Data

Subfield:	Lifting, Shifting and Secure Loads
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