Unit ID: 1276

Domain ELECTRICAL POWER LINES INSTALLATION
Title: Demonstrate knowledge of installing poles
and pylons

Level: 3 Credits: 4

<u>Purpose</u>

This unit standard is intended for those who demonstrate knowledge of installing poles and pylons. People credited with this unit standard are able to explain procedures of installing poles and pylons; and demonstrate installation procedures of poles and pylons.

This unit standard is intended for those who work as electrician linesman.

Special Notes

1. Entry information:

Prerequisite

- None
- 2. This unit standard is to be delivered and assessed in the context of electrical lines installation and should be assessed in conjunction with other relevant technical units selected from this domain.
- 3. To demonstrate competence, at a minimum, evidence is required to explaining of installation procedures of poles, pylons and their accessories.
- 4. Assessment evidence may be collected from a real workplace or a simulated workplace environment in which electrical operations are carried out.
- 5. Glossary of terms:
 - 'Specifications' refers to any, or all of the following: manufacturers' specifications and recommendations, workplace specific requirements, national and international standards and legislations
 - 'ISO' refers to International Organization for Standards
 - 'SANS' refers South African National Standards.
- Regulations and legislation relevant to this unit standard include the following:
 - Labour Act No. 11 of 2007
 - Regulations relating to the health & safety of employees at work under Schedule 1 (2) of the Labour Act No.11 of 2007
 - ISO 14001 (Environmental Management Standard)
 - Electricity Act No.4 of 2007
 - SANS 10142-1 and SANS 10142-2 electrical wiring codes and all subsequent amendments to any of the above.

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 on www.namga.org and the Namibia Training Authority on www.nta.com.na.

Elements and Performance Criteria

Element 1: Explain procedures of installing poles and pylons

Performance Criteria

- 1.1 Types of poles and pylons are identified and explained.
- 1.2 Types of accessories for poles and pylons are identified and explained.
- 1.3 Structures and voltage ratings for pylons are explained.
- 1.4 Advantages and disadvantages of poles and pylons are explained.

Element 2: Demonstrate installation procedures of poles and pylons

Performance Criteria

- 2.1 Methods of installing poles are identified and described.
- 2.2 Methods of installing different pylons are identified and described.
- 2.3 Methods of installing accessories of different poles and accessories are identified and explained.

Registration Data

Subfield:	Electrical Engineering
Date first registered:	24 July 2014
Date this version registered:	23 November 2023
Anticipated review:	23 November 2028
Body responsible for review:	Namibia Training Authority
body responsible for review.	Namibia Training Authority