

Unit ID: 1250	
Domain	ELECTRICAL POWER LINES INSTALLATION
Title:	Work safely on ladders, scaffolding and hoists
Level: 2	Credits: 4

Purpose

This unit standard intended for those who work safely on ladders, scaffolding and hoists. People credited with this unit standard are able to plan and prepare for work; work safely on scaffolding and work platforms; work safely on ladders and hoists; and clean-up work area.

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

Special Notes

1. Entry information:
 - Prerequisite
 - *Unit 1157 - Demonstrate basic knowledge of workplace health and safety*
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 working safely on ladders, scaffolding and hoists.
4. Assessment evidence may be collected from a real workplace or a simulated workplace realistic environment in which electrical operations are carried out.
5. All inspection, operation and maintenance procedures associated with the use of tools and equipment shall comply with manufacturers' and company guidelines, instructions, and reasonable flat rate time.
6. 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.
7. 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.namqa.org and the Namibia Training Authority on www.nta.com.na.

Elements and Performance Criteria

Element 1: Plan and prepare for work

Performance criteria

- 1.1 Work instructions, including plans, specifications, quality requirements and operational details are obtained, confirmed and interpreted.
- 1.2 Signage and barricade requirements are identified and implemented, where necessary.
- 1.3 Personal protective equipment is selected in line with job and safety requirements
- 1.4 Tools and equipment selected to carry out tasks are consistent with job requirements, checked for serviceability, and any faults are rectified or reported prior to commencement.
- 1.5 Material quantity requirements are calculated in line with plans, specifications and quality requirements.
- 1.6 Environmental protection requirements are identified and applied in line with environmental plans and regulatory obligations.

Element 2: Work safely on scaffolding and work platforms

Range

Hazards associated with working on scaffolds and work platforms may include but are not limited to falls, overloading, electrocution and faulty components.

Tools and equipment include but are not limited to limited height timber scaffolding, putlog scaffolding, metal scaffolding, independent scaffolding and mobile scaffolding and simple work platforms.

Evidence of the use of two types of scaffolding and one simple work platform is required for assessment purposes.

Performance Criteria

- 2.1 Hazards associated with working on scaffolds and work platforms are identified in line with workplace procedures.
- 2.2 Personal protective equipment is selected and used whilst working on scaffolds and work platforms in line with workplace procedures.
- 2.3 Work is safely performed from work platform or work scaffold in line with workplace procedures.

Element 3: Work safely on ladders and hoists

Range

Tools and equipment include but are not limited to single and extension ladders, stepladders and trestle ladders.

Evidence of the use of two types of ladders is required for assessment purposes.

Performance Criteria

- 3.1 Hazards associated with using ladders in electrical lines installation are identified in line with workplace procedures.
- 3.2 Points of contact are maintained whilst climbing up and down ladders in line with workplace procedures.
- 3.3 Work is safely performed from ladder and hoist in line with workplace procedures.

Element 4: Clean-up work area

Performance Criteria

- 4.1 Work area is cleared, cleaned, restored and secured in line with workplace procedures.
- 4.2 Tools and equipment are cleaned, checked and stored in line with manufacturer specifications and workplace procedures.
- 4.3 Materials and wastes are disposed of, reused, or recycled in accordance with legislation, regulations, codes of practice and job specifications.

Registration Data

Subfield:	Electrical Engineering
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