

Domain	ELECTRICAL POWER LINES INSTALLATION
Title:	Work in line gang
Level: 3	Credits: 3

Purpose

This unit standard is intended for those who work in line gang. People credited with this unit standard are able to achieve personal work objectives; identify and resolve work problems; and work in a team.

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 transmission lines installation and should be assessed in conjunction with other relevant technical unit standards selected from this domain.

3. To demonstrate competence, at a minimum, requires evidence of prioritising own and/or team work in electrical lines installation task, explaining how different work problems may be solved. Perform these tasks ensuring correct identification of requirements and finishing of the tasks, correct selection and use of appropriate processes, tools and equipment and completing all work to specification.

4. Assessment evidence may be collected from a real workplace or simulated workplace environment in which electrical lines installation operations are carried out.

5. Glossary of terms:

- *'Isolation and lockout procedures'* refer to isolating an electrical circuit from the source of supply
- *'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
- *'Line gang'* refers to a team of workmen.

6. Regulations and legislation relevant to this unit standard include the following:

- Labour Act No. 11 of 2007
- Petroleum Products and Energy Amendment Act No. 2 of 2005
- National Energy Fund Act of 2000
- Gas Act (Draft 2b)
- Regulations relating to the health & safety of employees at work under Schedule 1 (2) of the Labour Act No.11
- 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: Achieve personal work objectives

Performance Criteria

- 1.1 Work priorities and schedules are confirmed.
- 1.2 Difficult tasks are persisted with over a reasonable period of time.
- 1.3 Nature and/or sequence of tasks are renegotiated and adapted in response to new information or changed situations.
- 1.4 Outcomes are achieved without compromising quality, accuracy, safety and ethics.

Element 2: Identify and resolve work problems

Range

Work problems may include but are not limited to supply and/or quality of materials, workplace safety, communication, workplace emergency, skill requirements of electrical lines installation tasks, availability of tools and equipment and environmental hazards.

Performance Criteria

- 2.1 Existence of a problem is recognized and highlighted.
- 2.2 Appropriate sources of help are identified.
- 2.3 Alternatives are considered and documented.
- 2.4 Problem-solving strategies are implemented.

Element 3: Work in a team

Performance Criteria

- 3.1 Work is undertaken collaboratively to achieve agreed outcomes.
- 3.2 Individual's role and responsibility within a team are outlined.
- 3.3 Own abilities and limitations in undertaking team tasks are explained to the team.
- 3.4 Consideration to the diversity of team members is demonstrated.

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