

Domain**ELECTRONICS****Title:****Operate Electronics Systems****Level: 3****Credits: 3****Purpose**

This unit standard specifies the competencies required to Operate Electronics Systems. It includes using electronic systems and monitoring electronic systems. This unit standard is intended for electronics technicians.

Special Notes

1. Entry information

Prerequisite

- *Unit E01 - Apply health and safety rules and regulations in electronics workplace*
- *Unit E02 - Plan and organise work in electronic work environment*

2. Assessment evidence may be collected from a real or a simulated workplace in which electrical operations are carried out.

3. To demonstrate competence, minimum evidence of the ability to use and monitor at least two electronic systems

4. Glossary of terms:

- IEC 60617-This standard is issued by the **International Electro-technical Commission** and this standard for electrical components symbols.
- IEEE- Institute of Electrical and Electronics Engineers.

5. Performance of all elements in this unit standard must comply with industry standards.

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

- Labour Act, No. 11, 2007.
- Occupational Health and Safety Regulations No. 18, 1997 and all subsequent amendments.

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: Use electronic systems

Range

Electronics systems include access control system, surveillance system, alarm system, telemetry system, computer system, monitoring and control systems

Tools for operating include Laptop, calculator, remote control, hand tools, access keys

Performance Criteria

- 1.1 Electronic systems are identified according to job requirements.
- 1.2 The need to operate the system is identified.
- 1.3 User/operator's manual is interpreted.
- 1.4 Tools for operating the system are selected and safely used according to manufacturer recommendations.
- 1.5 Systems are switched on and/off as per work requirements.
- 1.6 Systems are adjusted when necessary.

Element 2: Monitor electronic systems

Range

Electronics systems include access control system, surveillance system, alarm system, telemetry system, computer system, monitoring and control systems.

Performance Criteria

- 2.1 User/operator's manual is interpreted.
- 2.2 Appropriate instruments for monitoring are identified and selected.
- 2.3 System status is recorded and interpreted.
- 2.4 Monitoring report is prepared, filled and communicated to relevant personnel

Registration Data

Subfield:	Electrical Engineering
Date first registered:	
Date this version registered:	
Anticipated review:	
Body responsible for review:	Namibia Training Authority