

Domain	TELECOMMUNICATION AND WIRELESS TECHNOLOGY	Unit ID: 2275
Title:	Demonstrate knowledge of customer premises equipment and accessories	
Level: 3		Credits: 6

Purpose

This unit standard is intended for those who demonstrate knowledge of customer premises equipment and accessories. People credited with this unit standard are able to describe different customer premises equipment and accessories, explain operation of customer premises equipment and accessories and demonstrate an understanding of customer premise equipment configuration.

This unit standard is intended for those who work in the telecommunication and wireless technology working environment.

Special Notes

1. Entry information:

Prerequisites:

- None

2. This unit standard is to be delivered and assessed in the context of information and communication technology.

3. Assessment evidence may be collected from a real or a simulated workplace in which telecommunication and wireless technology operations are carried out.

4. Tools and equipment may include but are not limited to computer, external devices, storage devices and other and basic computer applications.

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

6. Glossary of terms:

- '*Specifications*' refers to any, or all of the following: manufacturers' specifications and recommendations, workplace specific requirements.
- '*electrical appliances*' including but not limited common domestic appliances such as stoves, irons, washing machines and kettles and basic commercial or office appliances.
- '*ISO*' refers to International Organization for Standards
- '*SANS*' refers to South Africa National Standards

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

- Labour Act No. 11, 2007
- ISO 14001 (Environmental Management Standard)
- Electricity Act, 2000 (Act No. 2 of 2000)
- SANS 10142-1 and SANS 10142-2 electrical wiring codes

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

Elements and Performance Criteria

Element 1: Describe different customer premises equipment and accessories

Range

Customer premises include and not limited to single line telephones, PABX, bandwidth management systems, telephone systems, modems, fix and wireless network equipment, video, communication and RF equipment.

Performance Criteria

- 1.1 Different types of customer premises equipment and accessories are identified.
- 1.2 Customer premises equipment and accessories requirements are identified.
- 1.3 Safety and other regulatory requirements to which the telecommunication installation shall comply are identified, obtained and interpreted.
- 1.4 Circuit diagrams are interpreted according to specific task.

Element 2: Explain operation of customer premises equipment and accessories

Range

Customer premises include and not limited to single line telephones, PABX, bandwidth management systems, telephone systems, modems, network equipment, and video, communication and RF equipment.

Performance Criteria

- 2.1 Operation of customer premises equipment is described.
- 2.2 Function of customer premises equipment accessories is described.

Element 3: Demonstrate an understanding of customer premise equipment configuration

Range

Customer premise equipment may include but not limited to PABX, WiMax, Optical fiber access units and modems.

Performance Criteria

- 3.1 Customer Premise Equipment (CPE) services are outlined and described.
- 3.2 Customer Premise Equipment (CPE) configurations are explained.
- 3.3 Services are configured on Customer Premise Equipment (CPE) as instructed.
- 3.4 Customer Premise Equipment (CPE) services are tested and commissioned as per requirement.

Registration Data

Subfield:	Information and Communication Technology
Date first registered:	30 July 2020
Date this version registered:	30 July 2020
Anticipated review:	2025
Body responsible for review:	NTA