

	Unit ID: 1926
Domain	BUILDING AND CIVIL CONSTRUCTION MANAGEMENT
Title:	Demonstrate an understanding of principles relating to the installations of services in buildings
Level: 5	Credits: 7

Purpose

This unit standard is intended for those who demonstrate an understanding of principles relating to the installations of services in building. People credited with this unit standard are able to demonstrate an understanding of principles relating to electrical installation in houses, demonstrate an understanding of principles relating to plumbing installation in houses, and demonstrate an understanding of principles relating to installations of additional services.

This unit standard is intended for those who work as building and civil construction environment.

Special Notes

1. Entry information:

Prerequisites

- *Unit 1157- Demonstrate basic knowledge of workplace health and safety or demonstrated equivalent knowledge and skills.*

2. Assessment evidence may be collected from a real workplace or simulated real workplace in which building and civil construction management tasks are carried out.
3. Performance of all elements in this unit standard must comply with all relevant workplace requirements and/or manufacturers' specifications.
4. Regulations and legislation relevant to this unit standard include the following:
 - Labour Act 2007(Act no 11, 2007)
 - Regulations relating to the health & Safety of employees at work under Schedule 1 (2) of the Labour Act No.11 of 2007 and all subsequent amendments.
 - Local Authorities Act. 23, 1992
 - SABS 0400
 - Building Regulations and Building Standards Act, 1977 (Act No. 103 of 1977) 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

Elements 1: Demonstrate an understand of principles relating to electrical installation in houses

Performance Criteria

- 1.1 Generation, transmission and distribution of electricity supply is explained.
- 1.2 Equipment and components used for electrical installations are explained.
- 1.3 Uses of circuits and wiring in electrical installations are explained.

Element 2: Demonstrate an understand of principles relating to plumbing installation in houses

Range

Components used in plumbing installations may include but not limited to pipes, fittings, materials, joints, taps and valves.

Performance Criteria

- 2.1 Components used in water installations are identified and their application explained.
- 2.2 Hydraulic principles are explained.
- 2.3 Classification, types and application of sanitary appliances and components are explained.
- 2.4 Drain components are identified and their application explained.
- 2.5 Performance requirements for drainage are identified.
- 2.6 Procedures relating to the testing of drainage systems are explained.

Element 3: Demonstrate an understanding of principles relating to installations of additional services

Range

Additional services may include but not limited to information technology, networking, cooling system and renewable energy

Performance Criteria

- 3.1 Additional service components are identified.
- 3.2 Installation procedures of additional services are explained.
- 3.3 Finishing procedures of additional services are identified.

Registration Data

Subfield:	Civil and Building Services Engineering
Date first registered:	30 August 2018
Date this version registered:	30 August 2018
Anticipated review:	2023
Body responsible for review:	Namibia Training Authority