

**Unit ID: 2268**

**Domain**

**BROADCASTING**

**Title:**

**Demonstrate an understanding of installing and  
commissioning broadcast equipment**

**Level:5**

**Credits:13**

### **Purpose**

This unit standard is intended for those who demonstrate an understanding of installing and commissioning broadcast equipment. People credited with this unit standard are able to demonstrate an understanding of installation process for broadcasting equipment, perform installation of broadcasting equipment, comply with workplace health and safety requirements, commission installed equipment, and solve installation and commissioning problems.

This unit standard is intended for those who work in the broadcasting working environment.

### **Special Notes**

1. Entry information:

Prerequisites:

- None

2. This unit standard will be essential to technically skilled people who work in the broadcasting environment and need to use sophisticated methods and equipment to measure broadcast transmissions.

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

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

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

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

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

- Labour Act 2007(Act No 11, 2007)
- Regulations relating to the health and safety of employees at work under schedule 1 (2) of the Labour Act No.11 of 2007 and all subsequent amendments.

## **Quality Assurance Requirements**

This unit standard and others within this sub-field 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](http://www.namqa.org) and the Namibia Training Authority on [www.nta.com.na](http://www.nta.com.na)

## **Elements and Performance Criteria**

### **Element 1: Demonstrate an understanding of installation process for broadcasting equipment**

#### **Performance Criteria**

- 1.1 Project plan for the installation is obtained, analysed and interpreted.
- 1.2 Required equipment and tools are identified and explained.
- 1.3 Checklists of installation process are prepared.

### **Element 2: Perform installation of broadcasting equipment**

#### **Performance Criteria**

- 2.1 Site inspection is performed.
- 2.2 Installation and configuration of equipment is explained according to specification.
- 2.3 Equipment and tools required for installation are identified and inspected.
- 2.4 Installation process plan is complied with.

### **Element 3: Comply with workplace health and safety requirements**

#### **Performance Criteria**

- 3.1 Safety practices during installation environment are planned.
- 3.2 Health and safety practices are identified and explained.
- 3.3 Health hazards are identified and explained.

- 3.4 Precautions are identified and explained.
- 3.5 Handling techniques for installation procedures are explained.

**Element 4: Commission installed equipment**

**Performance Criteria**

- 4.1 System performance and equipment functionality is tested, validated and explained.
- 4.2 Commissioning documentation is explained.
- 4.3 Commissioning documentation is completed in the approved format.
- 4.4 Importance of training is explained.

**Element 5: Solve installation and commissioning problems**

**Performance Criteria**

- 5.1 Potential installation and commissioning problems are identified and evaluated for impact.
- 5.2 Responses are formulated to resolve potential installation and commissioning problems.
- 5.3 Identified installation and commissioning problems are diagnosed and solutions are formulated.
- 5.4 Unresolved problems are recorded and escalated to relevant persons.

**Registration Data**

<b>Subfield:</b>	Information and Communication Technology
<b>Date first registered:</b>	30 July 2020
<b>Date this version registered:</b>	30 July 2020
<b>Anticipated review:</b>	2025
<b>Body responsible for review:</b>	Namibia Training Authority