

	<b>Unit ID:2269</b>
<b>Domain</b>	<b>BROADCASTING</b>
<b>Title:</b>	<b>Maintain and repair broadcast systems and equipment</b>
<b>Level: 5</b>	<b>Credits: 11</b>

### Purpose

This unit standard is intended for those who maintain and repair broadcast systems and equipment. People credited with this unit standard are able to demonstrate an understanding of a maintenance plan, perform maintenance on broadcast systems and equipment, perform diagnostic on systems and equipment faults, repair and replace broadcasting systems and equipment, report and feedback on maintenance and comply with workplace health and safety requirements.

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 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 broadcasting 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. 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 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](http://www.nta.com.na).

## **Elements and Performance Criteria**

### **Element 1: Demonstrate an understanding of a maintenance plan**

#### **Performance Criteria**

- 1.1 Maintenance activities are planned and negotiated to avoid disruption to the workflow.
- 1.2 Work instructions are interpreted and tasks are identified.
- 1.3 Materials, equipment and tools needed for maintenance are identified and obtained.
- 1.4 Maintenance methods and procedures are explained and described.

### **Element 2: Perform maintenance on broadcast systems and equipment**

#### **Performance Criteria**

- 2.1 Maintenance schedule is completed in the specified sequence and in an agreed timescale.
- 2.2 Maintenance procedure is planned and carried out.
- 2.3 Equipment is cleaned according to specifications.
- 2.4 Test on systems and equipment is performed and equipment conditions are determined.

### **Element 3: Perform diagnostic on systems and equipment faults**

#### **Performance Criteria**

- 3.1 Tests are performed and results are analysed.
- 3.2 Diagnostic techniques are performed.
- 3.3 System and equipment faults are isolated.

### **Element 4: Repair and replace broadcasting systems and equipment**

#### **Performance Criteria**

- 4.1 Replacement and repair procedures are explained.
- 4.2 Systems and equipment to be replaced and repaired are identified.

- 4.3 Systems and equipment is repaired or replaced in agreed timescales.
- 4.4 Settings and adjustment to system or equipment are performed.
- 4.5 Systems and equipment performance are tested according to industry standards.

**Element 5: Report and feedback on maintenance**

**Performance Criteria**

- 5.1 Reporting procedures are explained.
- 5.2 Maintenance records are outlined.
- 5.3 Defects that are out of scope are identified and escalated/reported to relevant person.
- 5.4 Problems and solutions are communicated to clients.

**Element 6: Comply with workplace health and safety requirements**

**Performance Criteria**

- 6.1 Safety practices during installation environment are planned.
- 6.2 Health and safety practices are identified and explained.
- 6.3 Health hazards are identified and explained.
- 6.4 Precautions are identified and explained.
- 6.5 Handling techniques for maintenance procedures are explained.

**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