

<b>Domain</b>	<b>NETWORKING</b>	<b>UNIT ID: 2301</b>
<b>Title:</b>	<b>Demonstrate an understanding of network access and security</b>	
<b>Level:4</b>		<b>Credits: 10</b>

### **Purpose**

This unit standard is intended for those who demonstrate an understanding of network access and security. People credited with this unit standard are able to demonstrate an understanding of organisation's ICT security policy, manage security of desktop computers connected to the system, maintain security systems for a multi-user computer system, manage security systems for a multi-user computer system, review security systems for a multi-user computer system and provide technical support for the use of security systems for a multi-user computer system.

This unit standard is intended for those who work in the networking environment

### **Special Notes**

1. Entry information:

Prerequisites:

- None

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

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

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

5. 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.

### **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 organisation's ICT security policy**

#### **Performance Criteria**

- 1.1 ICT security policy is explained.
- 1.2 Organisation's ICT security policy is interpreted.

### **Element 2: Manage security of desktop computers connected to the system**

#### **Performance Criteria**

- 2.1 Desktop computers are scanned for viruses.
- 2.2 Viruses found are recorded and removed according to company's standards, procedures and security policy.
- 2.3 Desktop computers are monitored for illegal software.
- 2.4 Incidences of illegal software are recorded.
- 2.5 Recording of viruses and illegal software are reported according to company's standards and procedures.

### **Element 3: Maintain security systems for a multi-user computer system**

#### **Performance Criteria**

- 3.1 Back-ups security systems are determined and stored according to organisational guidelines.
- 3.2 Back-ups are restored according to organisation's standards, procedures and security Policy.
- 3.3 Configuration changes are made to the security systems according to organisation requirements.
- 3.4 Changes to the security systems are authorised and implemented according to organisation standards, procedures and security policy.
- 3.5 Changes to the security systems are installed to maintain the integrity and security of the system.

#### **Element 4: Manage security systems for a multi-user computer system**

##### **Performance Criteria**

- 4.1 Internal and external resources are used to identify and update security gaps.
- 4.2 Security exposures and violations are identified, and action is taken according to organisation requirements and security policy.
- 4.3 Access is provided according to organisation requirements and security policy.
- 4.4 Security system are monitored to ensure the operation and performance meets the manufacturer`s and organisation specifications.
- 4.5 Monitoring and tuning of the security system are considered to ensure the operation and performance is in line with security policy.

#### **Element 5: Review security systems for a multi-user computer system**

##### **Performance Criteria**

- 5.1 Security needs of the organisation are reviewed.
- 5.2 Software is used to evaluate and report on the security in place in the systems.
- 5.3 In-built security and access features of the systems operating system are reviewed.
- 5.4 File security categorisation scheme is reviewed.
- 5.5 Control methods used on the system are reviewed.
- 5.6 Module and system-wide controls are reviewed.
- 5.7 Review procedures for security systems are meet with organisation standards.
- 5.8 Review recommendation improvements are made to the security system.

#### **Element 6: Provide technical support for the use of security systems for a multi-user computer system**

##### **Performance Criteria**

- 6.1 User problems relating to the security system are identified and resolved following organisation procedures.
- 6.2 Advice on the use of a security system is provided according to organisation requirements.

## **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