

Domain**BROADCASTING****Title:****Demonstrate an understanding of assembling connectors, audio, video and data cables****Level:4****Credits:8****Purpose**

This unit standard is intended for those who demonstrate an understanding of assembling connectors, audio, video and data cables. People credited with this unit standard are able to identify tools and materials for assembling connectors and cables, assemble audio, video and data cables, apply processes and procedures to terminate cables, demonstrate understanding of testing cables, apply health and safety requirements during assembling and termination of cables.

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

Elements and Performance Criteria

Element 1: Identify tools and materials for assembling connectors and cables

Performance Criteria

- 1.1 Material, equipment and tools are identified and explained.
- 1.2 Types of connectors are identified and explained according to their functions.
- 1.3 Types of cables are identified and explained according to their properties and functions.

Element 2: Assemble audio, video and data cables

Performance Criteria

- 2.1 Required material, equipment and tools are identified and explained.
- 2.2 Cables are cut as per the required length.
- 2.3 Cable and connector are joined using the correct procedures.
- 2.4 Joining methods are explained in terms of reliability.

Element 3: Apply processes and procedures to terminate cables

Performance Criteria

- 3.1 Required material, equipment and tools are identified and explained.
- 3.2 Cables are terminated with specified connectors.
- 3.3 Outdoor connectors are sealed as per standards.
- 3.4 Quality inspection and tests are performed according to requirements.
- 3.5 Possible problems and solutions are discussed.

Element 4: Demonstrate understanding of testing cables

Performance Criteria

- 4.1 Final assembly conformity to connector application specification is verified.
- 4.2 Continuity test on joint work is performed.
- 4.3 Fault tracing is explained and performed.

Element 5: Apply health and safety requirements during assembling and termination of cables

Range:

Cables and equipment handling may include but not limited to securely neatly, safely stored.

Performance Criteria

- 5.1 Safety practices during cable assembling are explained.
- 5.2 Cables and equipment are handled and stored as per instruction.
- 5.3 Health and safety requirements are identified and complied with.
- 5.4 Health hazards are identified and explained.
- 5.5 Precautions are identified and explained.

Registration Data

Subfield:	Information and Communications Technology
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