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**SOUTH AFRICAN QUALIFICATIONS AUTHORITY
REGISTERED UNIT STANDARD:**

Prepare and operate sound equipment from a location for a radio broadcast

SAQA US ID	UNIT STANDARD TITLE			
14365	Prepare and operate sound equipment from a location for a radio broadcast			
ORIGINATOR				
SGB Audio-visual Media Production				
PRIMARY OR DELEGATED QUALITY ASSURANCE FUNCTIONARY				
-				
FIELD			SUBFIELD	
Field 04 - Communication Studies and Language			Media Studies	
ABET BAND	UNIT STANDARD TYPE	PRE-2009 NQF LEVEL	NQF LEVEL	CREDITS
Undefined	Regular	Level 5	Level TBA: Pre-2009 was L5	5
REGISTRATION STATUS		REGISTRATION START DATE	REGISTRATION END DATE	SAQA DECISION NUMBER
Reregistered		2018-07-01	2023-06-30	SAQA 06120/18
LAST DATE FOR ENROLMENT		LAST DATE FOR ACHIEVEMENT		
2024-06-30		2027-06-30		

In all of the tables in this document, both the pre-2009 NQF Level and the NQF Level is shown. In the text (purpose statements, qualification rules, etc), any references to NQF Levels are to the pre-2009 levels unless specifically stated otherwise.

This unit standard does not replace any other unit standard and is not replaced by any other unit standard.

PURPOSE OF THE UNIT STANDARD

The aim of these unit standards is to produce knowledgeable, multi-skilled workers who will be able to improve productivity and efficiency within the audio-visual environment. It provides the means for current workers to receive recognition of prior learning to upgrade their production skills. The unit standards are the building blocks of knowledge and production skills that are necessary for the National Diploma in Radio Production (Level 5)

People credited with this standard will be able to:

- Prepare for outside broadcast
- Set up equipment
- Test technical equipment before the broadcast starts
- Monitor the technical quality of sound during broadcast
- Complete work operations

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

The credit value is based on the assumption that people starting to learn towards this unit standard are already competent in:

- Basic radio productions
- Advanced radio productions

UNIT STANDARD RANGE

This unit standard will be useful to people who work in radio and has to manage a broadcast technically by preparing the sound equipment, setting up equipment at a venue, establish contact if it is a live broadcast and do the actual broadcast or recording. A typical venue would be sport occasion.

Specific range statements are provided in the body of the unit standard where they apply to particular specific outcomes or assessment criteria.

Specific Outcomes and Assessment Criteria:

SPECIFIC OUTCOME 1

Prepare for outside broadcast.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

1. Equipment is selected in terms of the programme's technical requirements.

ASSESSMENT CRITERION RANGE

Microphones, cables, mixing desk, monitoring equipment, processing equipment, linking equipment, recording equipment

ASSESSMENT CRITERION 2

2. Equipment is confirmed as operational, and faulty equipment repaired or replaced in accordance with station practice.

ASSESSMENT CRITERION 3

3. Equipment is transported to the venue undamaged and in time for set up.

ASSESSMENT CRITERION 4

4. Location for set up is selected that best meet the broadcast requirements.

ASSESSMENT CRITERION RANGE

Range: Audio isolation, space, ambience, availability of power.

SPECIFIC OUTCOME 2

Set up equipment.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

1. Equipment is set up for ease and effective operation .

ASSESSMENT CRITERION 2

2. Cabling and placing of sound equipment does not present a hazard to people or property.

ASSESSMENT CRITERION 3

3. Microphone and headphone lines are positioned without interfering with the participants' performance.

ASSESSMENT CRITERION 4

4. Links to broadcaster are fully operational.

ASSESSMENT CRITERION 5

5. Connections are made in accordance with technical broadcast requirements.

ASSESSMENT CRITERION 6

6. The safety of the equipment is ensured at all times.

SPECIFIC OUTCOME 3

Test technical equipment.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

1. All audio devices are correctly connected and work effectively.

ASSESSMENT CRITERION 2

2. Where any problems exist, alternative measures are taken to ensure effective broadcasting.

ASSESSMENT CRITERION 3

3. Links tested for frequency response and connected to the radio station. Any faults are reported to the relative persons.

ASSESSMENT CRITERION 4

4. The level and mix of the feedback is comfortable and according to the participants' request.

ASSESSMENT CRITERION 5

5. Recording devices, if any, are set up and confirmed as ready for recording and playback.

SPECIFIC OUTCOME 4

Monitor the technical quality of sound during broadcast.

ASSESSMENT CRITERIA**ASSESSMENT CRITERION 1**

1. Audio is adjusted to the levels required by the broadcaster.

ASSESSMENT CRITERION 2

2. Technical problems are resolved where possible before they interfere with the broadcast.

ASSESSMENT CRITERION RANGE

Equipment failure, equipment malfunction, connection discrepancies.

ASSESSMENT CRITERION 3

3. Sound levels are balanced and maintained throughout the broadcast.

ASSESSMENT CRITERION RANGE

Primary sound sources, background sound, noise, voice over.

ASSESSMENT CRITERION 4

4. All inserts, if any, set up correctly and played at the appropriate place and time.

ASSESSMENT CRITERION 5

5. Performers are treated courteously and when technical issues are explained, it is in a way that non-technical persons would understand the significance thereof.

SPECIFIC OUTCOME 5

Complete work operations.

ASSESSMENT CRITERIA**ASSESSMENT CRITERION 1**

1. Operations are completed without damage to property and/or venue .

ASSESSMENT CRITERION 2

2. Activities comply with the requirements of site safety plan.

ASSESSMENT CRITERION 3

3. Equipment is packed, transported and stored according to station practice.

ASSESSMENT CRITERION 4

4. Documentation/administration is completed according to station practice.

ASSESSMENT CRITERION 5

5. Arrangements are made to protecting the equipment if left at venue for multiple broadcasts.

UNIT STANDARD ACCREDITATION AND MODERATION OPTIONS

Providers of learning towards this unit standard will need to meet the accreditation requirements of the relevant ETQA. Anyone assessing a learner against this unit standard must be registered as an assessor with the relevant ETQA.

Moderation Option: The moderation requirements of the relevant SETA`s ETQA must be met in order to award credit to learners for this unit standard.

UNIT STANDARD ESSENTIAL EMBEDDED KNOWLEDGE

Essential embedded knowledge will be assessed through assessment of the specific outcomes in terms of the stipulated assessment criteria. Candidates are unlikely to achieve all the specific outcomes, to the standards described in the assessment criteria, without knowledge of the listed embedded knowledge. This means that for the most part, the possession or lack of the knowledge can be directly inferred from the quality of the candidate`s performance. Where direct assessment of knowledge is required, assessment criteria have been included in the body of the unit standard. The following embedded knowledge is addressed in an integrated way in the unit standard:

- The causes and effects of various problems on the quality of the production
- The effects of different set-up positions and equipment in different acoustical locations
- Identifying and handling conflict situations
- Effective communication techniques including active listening, questioning and non-verbal communication
- Safety regulations
- Safe handling, packing and transport procedures for the sound equipment
- Reporting procedures

UNIT STANDARD DEVELOPMENTAL OUTCOME

N/A

UNIT STANDARD LINKAGES

N/A

Critical Cross-field Outcomes (CCFO):**UNIT STANDARD CCFO IDENTIFYING**

Identify and solve audio problems and make decisions using critical and creative thinking to take remedial action.

UNIT STANDARD CCFO WORKING

Work effectively with others (participants and colleagues) as a member of a team, group, organisation to achieve the production requirements.

UNIT STANDARD CCFO ORGANISING

Organise and manage themselves (on the production) and their activities responsibly and effectively to complete work operations within deadlines.

UNIT STANDARD CCFO COLLECTING

Collect and analyse sound information and critically evaluate the effect of it on the production.

UNIT STANDARD CCFO COMMUNICATING

Communicate effectively (with performers and colleagues), using visual and / or language skills.

UNIT STANDARD CCFO SCIENCE

Use science and technology (audio equipment) effectively and critically showing responsibility towards the environment (venue) and health of others (participants and performers).

UNIT STANDARD CCFO DEMONSTRATING

Demonstrate an understanding that the broadcast world is a set of related systems and that problem-solving does not exist in isolation.

UNIT STANDARD ASSESSOR CRITERIA

Assessors should keep the following principles in mind when designing and conducting assessments against this unit

standard:

- Focus the assessment activities on gathering evidence in terms of the main outcome expressed in the title to ensure assessment is integrated rather than fragmented. Remember we want to declare the person competent in terms of the title. Where assessment at title level is unmanageable, then focus assessment around each specific outcome, or groups of specific outcomes.
- Make sure evidence is gathered across the entire range, wherever it applies. Assessment activities should be as close to the real performance as possible, and where simulations or role-plays are used, there should be supporting evidence to show the candidate is able to perform in the real situation.
- Do not focus the assessment activities on each assessment criterion. Rather make sure the assessment activities focus on outcomes and are sufficient to enable evidence to be gathered around all the assessment criteria.
- The assessment criteria provide the specifications against which assessment judgements should be made. In most cases, knowledge can be inferred from the quality of the performances, but in other cases, knowledge and understanding will have to be tested through questioning techniques. Where this is required, there will be assessment criteria to specify the standard required.
- The task of the assessor is to gather sufficient evidence, of the prescribed type and quality, as specified in this unit standard, that the candidate can achieve the outcomes again and again and again. This means assessors will have to judge how many repeat performances are required before they believe the performance is reproducible.
- All assessments should be conducted in line with the following well documented principles of assessment: appropriate, fair, manageable, integrated into work or learning, valid, direct, authentic, sufficient, systematic, open and consistent.

REREGISTRATION HISTORY

As per the SAQA Board decision/s at that time, this unit standard was Reregistered in 2012; 2015.

UNIT STANDARD NOTES

N/A

QUALIFICATIONS UTILISING THIS UNIT STANDARD:

	ID	QUALIFICATION TITLE	PRE-2009 NQF LEVEL	NQF LEVEL	STATUS	END DATE	PRIMARY OR DELEGATED QA FUNCTIONARY
Core	49125	National Certificate: Radio Production	Level 5	Level TBA: Pre-2009 was L5	Passed the End Date - Status was "Registered"	2007-12-02	Was MICTS until Last Date for Achievement
Core	62069	National Certificate: Radio Production	Level 5	Level TBA: Pre-2009 was L5	Reregistered	2023-06-30	MICTS

PROVIDERS CURRENTLY ACCREDITED TO OFFER THIS UNIT STANDARD:

This information shows the current accreditations (i.e. those not past their accreditation end dates), and is the most complete record available to SAQA as of today. Some Primary or Delegated Quality Assurance Functionaries have a lag in their recording systems for provider accreditation, in turn leading to a lag in notifying SAQA of all the providers that they have accredited to offer qualifications and unit standards, as well as any extensions to accreditation end dates. The relevant Primary or Delegated Quality Assurance Functionary should be notified if a record appears to be missing from here.

1. Davest Trading 36 Pty Ltd
2. NEMISA
3. South African Film Institute

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