

THE REPUBLIC OF UGANDA Ministry of Education and Sports

Business, Technical, Vocational Education and Training [BTVET] Sub sector Reform



Assessment and Training Package FOR

AUDIO PRODUCER

Qualification Level: 1

Occupational Cluster: PERFORMING ARTS

January 2022

Developedby: Funded by:

Qualifications Standards Department Directorate Of Industrial Training

Government of Uganda

DIRECTORATE OF INDUSTRIAL TRAINING

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Under BTVET Act, 2008, the functions of the Directorate of Industrial Training are:

- (a) To identify the needs of the labour market for occupational competencies that falls under the UVQF.
- (b) To regulate apprenticeship schemes.
- (c) To foster and promote entrepreneurial values and skills, as an integral part of the LIVOF.
- (d) To secure adequate and sustainable financing for the efficient operations of the Directorate.
- (e) To accredit training institutions or companies as assessment centres.
- (f) To determine fees payable under the Act.
- (g) To develop, apply, expand and improve the purposeful application of Uganda vocational qualifications defined in the UVQF.
- (h) To assess and award Uganda Vocational Qualifications.
- (i) To promote on-the-job training in industry for apprenticeship, traineeship and indenture training and for other training such as further skills training and upgrading.

To prescribe the procedure for the making of training schemes. Further to the above provisions, there is an established Uganda Vocational

Qualifications Framework (UVQF), under part V of the BTVET Act, 2008. It is stated that:

The purpose of the UVQF is to;

- (a) Define occupational standards in the world of work.
- (b) Define assessment standards.
- (c) Award vocational qualifications of learners who meet the set standards of different studies.
- (d) Provide guidelines for modular training.

The UVQF shall follow principles of Competence Based Education and Training (CBET) which include:

- (a) Flexible training or learning modules.
- (b) Positive assessment and Certification.
- (c) Assessment of Prior Learning.

- (d) Recognition of formal and non-formal training.
- (e) Self-paced or individual learning.
- (f) Work place learning.

For award and recognition of certificates, the BTVET Act, 2008 provides that:

- (1) The Directorate and other examination boards established under the Act shall award certificates and diplomas for Business, Technical or Vocational Education and Training under the UVQF.
- (2) The Certificates and Diplomas to be awarded shall be in the form prescribed by the Minister on the recommendation of the Industrial Training Council.
- (3) The Certificates and Diplomas awarded under the Act shall be recognized in the Uganda education system and by the labour market.

Under the TVET Implementation Standards 2020, the proposed new mandate of the Directorate of Industrial Training shall be restricted to promoting the highest standards in the quality and efficiency of industrial training in the country and ensuring an adequate supply of properly trained manpower at all levels in the industry and the world of work.

The functions shall include:

- (a) Regulating Industrial Training and Trainers.
- (b) Developing Industrial Training Curricula.
- (c) Harmonizing Curricula and Certificates of competence.
- (d) Assessing Industrial Training.
- (e) Development of Occupational Standards and Assessment and Training Packages (ATPs) for Trade Testing for the industry and world of work.
- (f) Awarding certificates in that respect.

At operational level in the Directorate, the Qualification Standards Department performs development tasks related to concepts, procedures and instruments for establishment of the UVQF in close collaboration with both public and private stakeholders in vocational training.

In particular, the Department organizes and coordinates the development of Assessment and Training Packages for use in competence-based vocational training as well as standards-based assessment and certification.

The Directorate has therefore produced this Assessment and Training Package for use in implementing Competence-Based Education and Training mechanisms.

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TABLE OF CONTENTS

Word from Permanent Secretary Error! Bookr	mark not defined
Executive Summary Error! Bookr	nark not defined
Acknowledgement Error! Bookr	mark not defined
Abbreviations and acronyms Error! Bookr	mark not defined
Key Definitions	i
1.0 ATP-PART I	1
Occupational Profile for AUDIO PRODUCER	1
Additional Information Error! Bookr	mark not defined
2.0 ATP – PART II	20
Training Modules for AUDIO PRODUCER	21
TRAINING MODULES FOR AUDIO PRODUCER UVQ LEVEL 1	22
ATP- PART III	36
Assessment Instruments for AUDIO PRODUCER	36
3.9 Overview of test item samples included:	37
WRITTEN TEST ITEMS (SAMPLES)	38
PERFORMANCE TEST ITEMS (SAMPLES)	47
4.0 ATP- PART IV	50
INFORMATION ON DEVELOPEDPROCESS Error! Bookr	mark not defined

Word from Permanent Secretary

The Ministry of Education and Sports (MoES) through the Directorate of Industrial Training conducts Competence Based Assessment.

The foreseen advantages of CBA include improved access, equity and relevance of skills development, reduced unit costs of training, and recognition of Prior Learning (or on-the-job-training), among others.

As the Ministry executes its obligation of ensuring quality in training standards, the public-private partnership is being strengthened to improve occupational competence of the country's workforce without gender bias.

To achieve the set-out targets, the Directorate embarked on the anticipated UVQF design and development piloting its instruments and mechanisms in order to effectively enhance Competence-Based Assessment (CBA) in Uganda.

To date, the Qualifications Standards Department of DIT has produced Assessment and Training Packages (ATP) for various occupations. Each ATP contains 3 parts namely:

- 1.Occupational/job Profile
- 2. Training modules and
- 3. Assessment instruments Banks

The ATP can be used by any training provider and/or those who wish to present themselves for Occupational Assessment and Certification.

Herewith, the Directorate of Industrial Training presents the "Assessment & Training Package (ATP)" for training, assessment and certification of **AUDIO PRODUCER – QUALIFICATION LEVEL 1**.

Finally, I thank all individuals, organizations and development partners who have contributed and/or participated in the review of this noble document.

Ketty Lamaro Permanent Secretary

Executive Summary

This Assessment and Training Package is a Competence-Based Education and Training (CBET) tool and consists of three major parts:

- **0.1. PART I:** The "Occupational Profile" (OP) ofAudio producer. This Occupational Profile, which was developed by Audio producers practicing in the world of work mirrors the duties, and tasks Audio Producers are expected to perform.
- **0.2. PART II: "Training Modules"** in the form of guidelines to train **Audio producers** both on the job as well as in training centers (or combinations of both venues of learning). The Training Modules herein have been developed basing on the Occupational Profile and hence are directly relevant for employment.
- 0.3. PART III: "Assessment Instruments" in the form of performance (Practical) and written (theory) test items that can and should be used to assess whether a person complies with the requirements of employment as Audio producer. These assessment-based instruments were developed by Job practitioners (Audio producer) based on the occupational profile and training modules.
- 0.4. While the Occupational Profile (OP) contained in PART I of this document provides the information on <u>WHAT a person is expected to do</u> competently in the world of work, the test items, including performance criteria- of PART III qualify the <u>HOW and/or HOW WELL a person must do the job</u>.
- 0.5. The modular format of the curriculum (PART II) allows learners to acquire job specific skills and knowledge (i.e., competencies) module by module. A single module can be accomplished within a relatively short duration of time allowing flexibility for learners to move directly into an entry level job, go for further modules or advance to higher levels of training. Modular courses allow more learners to access the training system because training centers as well as companies can accommodate more students in a given period of time.
- 0.6. In addition to improved access, equity and relevance of BTVET, the UVQF will also enable people who are convinced to have acquired competencies laid down in this ATP through prior training and on-the-job experience to access assessment and certification directly; be it on the basis of a single module, a group of modules or all modules pertaining to the occupation at once. This achievement will facilitate Recognition of Prior Learning (RPL).

- **0.7.** The parts of this Assessment and Training Package were sequentially developed as follows:
- i Part 1: Occupational Profile: January 2022
- ii Part 2: Training Modules: January 2022
- iii Part 3: Assessment Instruments: January 2022

This ATP (or parts of it) may be periodically revised to match the dynamic trends in the occupation and hence issued in different versions.

Patrick Byakatonda Ag. Director DIT

Acknowledgement

The Qualifications Standards Department of DIT wishes to sincerely acknowledge the valuable contributions to the development of this Assessment and Training Package by the following persons, Institutions and organizations:

- Members of the DIT Industrial Training Council;
- The Director and staff of DIT;
- Ministry of Education and Sports;
- The practitioners from the world of work;
- Art and Design Curriculum Specialists from NCDC
- Examination Specialists from UNEB
- The facilitators involved in guiding the review panel in their activities
- The Government of Uganda for financing the review of this ATP

Abbreviations and Acronyms

A&C Assessment & Certification

ATP Assessment & Training Packages

BTVET Business, Technical and Vocational Education and Training

CBA Competence Based Assessment

CBET Competency Based Education and Training

DACUM Develop a Curriculum

DIT Directorate of Industrial Training

ITC Industrial Training Council
GoU Government of Uganda

LWA Learning-working Assignment

MC Modular Curriculum

MoES Ministry of Education and Sports

OP Occupational Profile
PEX Practical Exercise

PTI Performance (Practical) Test Item

QS Qualification Standards

RPL Recognition of Prior Learning

TIB Test Item Bank

TVET Technical and Vocational Education and Training

UVQ Uganda Vocational Qualification

UVQF Uganda Vocational Qualifications Framework

WTI Written (Theory) Test Item

Key Definitions

Assessment

Assessment is the means by which evidence is gathered and judged to decide if an individual has met the stipulated assessment standards or not. Testing is a form of formal assessment.

Certification

Certification is a formal procedure to issue a certificate (qualification) to an individual that has demonstrated during formal assessment that he/she is competent to perform the tasks specified in the occupational profile.

Competence

Integration of skills, knowledge, attitudes, attributes and expertise in doing/ performing tasks in the world of work to a set standard.

Competency

(Occupational) competency is understood as the ability to perform tasks common to an occupation to a set standard.

CBET

Competence-based education and training means that programmes:

- 1. have content directly related to work
- 2. focus is on 'doing something well'
- 3. assessment is based upon industry work standards, and
- 4. curricula are developed in modular form

Duty

A Duty describes a large area of work in performance terms. A duty serves as a title for a cluster of related Tasks (see also: TASK).

Assignment (LWA)

Learning-Working LWA are simulated or real job situations / assignments that are suitable for learning in a training environment (e.g. "small projects"). In a working environment LWA are real work situations/assignments.

Modules

Modules are part(s) of a whole curriculum. Modules can be considered as "self-contained" partial qualifications which are described by learning outcomes or competencies and which can be assessed and certified individually.

Occupational Profile (OP)

An Occupational Profile is an overview of the duties and tasks a job incumbent is expected to perform competently in employment.

Occupational Profiles developed by practitioners from the world of work enhance the relevance of training and learning to the requirements of the world of work.

Occupational Profiles define WHAT a person is supposed to do in performance terms. It also contains generic information regarding related knowledge and skills, attitudes/behaviour, tools, materials and equipment required to perform as well as trends/ concerns in the occupation.

Occupational profiles are the reference points for developing modular curricular and assessment standards

Qualification

A qualification is a formal reward for demonstrating competence, based on formal assessment against set standards and provided to the individual in the form of a certificate specifying the nature of the competence.

Task

Job TASKS represent the smallest unit of job activities with a meaningful outcome. Tasks result in a product, service, or decision. They represent an assignable unit of work and have a definite beginning and ending point. Tasks can be observed and measured. (see also: Duty)

ATP-PART I Occupational Profile for AUDIO PRODUCER

- 1.1 The OCCUPATIONAL PROFILE (OP) for "Audio producer" below defines the *Duties* and *Tasks* a competent Audio producer is expected to perform in the world of work (on the job) in Uganda and the East African region today.
- 1.2 Since it reflects the skill requirements of work life, the Occupational Profile is the reference document for the subsequent development of training modules and assessment instruments (test items) which are directly relevant to employment in Ugandan and the East African businesses and industries.
- 1.3 To ensure that the Occupational Profile is relevant for employment in Uganda and East Africa, the DIT used the method of "occupational/job profiling.
 - This approach involves the brainstorming of a panel of 8 to 12 competent job practitioners guided by trained and experienced facilitators. During a two-day workshop the panellists define the duties and tasks performed in employment, as well as the prerequisite skills, knowledge, attitudes, tools and equipment, and the future trends and concerns in the occupation/job.
- 1.4 The panellists, facilitators and coordinators who participated in developing this Occupational Profile for **Audio producers** are listed on the following page.

¹ The DACUM-method was used. DACUM is an acronym for 'Develop A Curriculum'

Expert Panel

Ntubiro Godfrey

NCDC

Julius Kyoshabira

UNEB

Ssendikwanawa Raymond

Senior Examiner

Sempereza Daniel

Music teacher

Kiwuwa Henry

Grayce Sounds

Ike Joshua

Sound district records

NgaboHerbet

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TumwesigyeRemigious

Alpha studios

Gerald Mutebi

Mota records

Matovu Ronald

Gagamel Records

Facilitators

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Funded by

Government of Uganda



THE REPUBLIC OF UGANDA Ministry of Education and Sports

Business, Technical, Vocational Education and Training (BTVET) Sub sector Reform

Occupational Profile

For

"AUDIO PRODUCER"

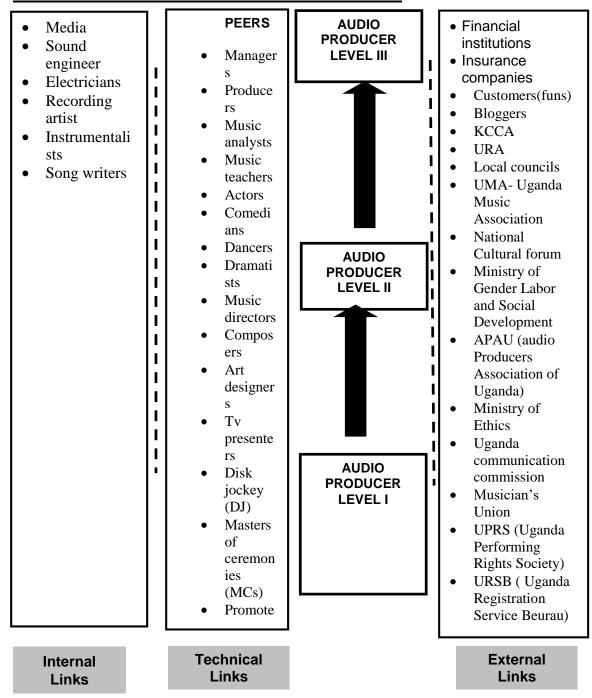
Developedby: Directorate of Industrial Training (Qualifications Standards)

Dates of workshop: 3rd January - 07th January 2022

NOMENCLATURE - AUDIO PRODUCER

Definition: Audio producer is a person who assesses, creates records, arranges and processes audio materials (including voices and instruments) into a meaningful piece using software apps and relevant tools.

JOB ORGANISATION CHART FOR AAUDIO PRODUCER



- 1. UVQ Level I Audio producer; is a person who has knowledge and skills in handling and using recording equipment as well as music instrumental playing skills to create audio material.
- **2. UVQ Level II Audio producer;** is a person who has knowledge and skills in recording, arranging, editing, and developing tracks.
- **3. UVQ Level III Audio producer** is a person who has knowledge and skills in training, directing, analyzing, mixing, mastering as well as pre -export processing

Duties and Tasks

A. SET UP STUDIO	A1 Identifystudio	A2Secure studio	A3Identify source
	location	site	of funds
	A4Identify tools,	A5Prepare site	A6Source tools,
	equipment		equipment and
	and material		material
	A7Install	A8Test	A9Make
	equipment and	equipment	configurations
	soft wares		

B. PLAN	B1 Dialogue	B2 Scheduleactivities	B3 Determine
RECORDING	with the artist		personnel
SESSION	B4 Source	B5 Make rehearsals	B6 Arrange
	personnel		recording
			venue

C. EXECUTE RECORDING.	C1 Create page lay out	C2Create accompaniments	C3Record voice
	C4Record additional instruments	C5 Review content	C6Make adjustments

D. MAINTAIN	D1 Repair tools	D2Update soft	D3Service tools	
TOOLS,	and	ware	and equipment	
EQUIPMENT	equipment			
AND	D4 Upgrade D5 Store tools,		D6 Clean tools,	
MATERIALS.	tools and	equipment	equipment and	
	equipment	and	materials	
		materials		
E. PERFORM	E1 Recruit	E2 Supervise	E3 Attend	
ADMINISTRATIVE	workers	works	meetings	
TASKS	E4 Train	E5 Appraise	E6 Assign works	
	Workers	workers		
	E7 Manage	E8 Acquire	E9 Register copy	
	workers	Operational	rights	
	welfare	Licence		
	E9 Insure	E10 Pursue	E11Mnange	
	business	continuous	finances	
		professional		
		development		
	E12Motivate	E13 Provide	E14 Provide	
	team	Customer	security	
		care		
	E15 Sanction	E16 Manage		
	workers			
			_	
A. EDIT AUDIO	F1 Re arrange	F2Perform	F3 Clean files	
	content	panning		
	F4 Approve files	F5 Make	F6 conform files	
		corrections		

B. PERFORM	G1 Administer	G2 Train	G3 Sensitize co-	
OCCUPATIONAL	first aid	subordinates	workers on	
HEALTH, SAFET	f	on safety	key health	
AND			issues	
ENVIRONMENTA	G4 Take	G5. Manage	G6 Display safety	
PROTECTION	measures to	waste	signs	
PRACTICES.	protect the			
	environment			
	G7 Sensitize			
	workers			
		_1		
C. MIX AUDIO	H1Reverb files	H2 Balance	H3 Apply	
		volume	compression	
		levels		
	H4 Apply	H5Design space	H6 Make variations	
	equalizers			
	H7 Apply effects	H8 Apply	H9 Export mix	
		automations	•	
D. MASTER AUDIO	I1Listen to mix	I2 Identify sound	I3 Benchmark	
		colour	tracks	
	I4 Balance	I5 Boost	I6 Apply dynamics	
	frequencies	loudness	10 Apply dynamico	
	I7Balance		19 Export Audio	
	wideness	ionnage sound	13 Export Addio	
	I10 Analyse			
	audio			
	audio			
J. MARKET	J1 Advertise	12Dienley	13Dieplay	
		J2 Display	J3 Display	
SERVICE	service	posters	banners	
	J4 Create	J5Make	J6 Brand service	
	partnerships	announcement		
	J7 Package	J8 Make portfolio	J9 Sale service	
	service	wake portions	Jaie Sei Vice	
		I11 Cother food	I12 Diotributo	
	J10 Price service	J11 Gather feed	J12 Distribute	

back

service

Additional Information

Generic Knowledge &	19. Regulations
Skills	20. Literacy and numeracy
1. Training	21. Language
2. Counselling	22. Business management
Sound engineering	
Playing instruments	23. Industry trends
Vocal skills	24. Market demands
Song writing	25. Environmental awareness
Content building	26. Recording
8. Song mixing	27. Tools, equipment and materials
Audio editing	28. Culture affiliations
10. Audio mastering	29. Pricing
11. Script Writing	30. Commercialization
12. ICT	31. Entrepreneurship skills
13. Music	
14. Marketing	
15. Sales skills	32. Tools, equipment operations
16. Communication	33. Operational knowledge on tools, equipment
skills	and materials
17. Interpersonal skills	
18. Copy right laws	

Tools, Equipment and	15. Compact disks
materials	16. Brooms
Sound proof	17. Detergents
2. Masks	18. Books
3. Tables	19. Pens
4. Chair	20. Sprays
5. Microphone	21. Recording soft ware
6. Computer	22. Internet
7. Audio interference	23. Sprayers
8. Wires	24. Chemicals
9. Cables	25. Power source
10. Music instruments	26. Stationary
11. Flashs disks/ 27. Furniture	
stationary devices	28. Electricity
12. A coustic materials 29. First aid kit	
13. Microphone stand	

UVQF: Assessment and Training Package (ATP) for AUDIO PRODUCER

QUALIFICATION LEVEL 1	January 2022
14. Music stands	

ttitudes/Traits/Behaviour	13 Dedicated	
 Honest and 	14 Team player	
transparent	15 Disciplined	
2. Tolerant	16 Enthusiastic	
3. Active	17 Creative and	
Hard working	innovative	
5. Punctual	18 Resourceful	
6. Realistic	19 A good listener	
7. Social	20 Result oriented	
8. Able to predict	21 Trainable	
9. Organized	22 Strategic	
10. Respectful	23 Researcher	
11. Confident		
12. Trustworthy		

Future Trends and Concerns

- 1. Expansion of market
- 2. Use of computers
- 3. Advanced technology i.e. internet, websites, etc.
- 4. Use of improved machines e.g. recording machines
- 5. Audio producer groups formation
- 6. Need for training in audio producer
- 7. Environmental degradation
- 8. Lack of capital
- 9. Taxes

2.0 ATP - PART II

Training Modules for AUDIO PRODUCER:

- 2.1 A curriculum is a "guide /plan for teaching and learning" which provides a guide to teachers, instructors and learners. In the envisaged system of competence-based or outcome-oriented education and training (CBET), Curricula are no longer the benchmark against which assessment is conducted. It is rather the Occupational Profile that provides the benchmark for Curriculum development as well as assessment.
- 2.2 This modular format of the curriculum allows learners of AUDIO PRODUCER to acquire job specific skills and knowledge (i.e. competencies) module by module. A single module can be accomplished within a relatively short duration of time allowing learners to move directly into an entry level job, do further modules and advance to higher levels of training. Modular courses allow more learners to access the training system because training centres, as well as companies can accommodate more students in a given period of time.
- 2.3 The modules were developed jointly by both instructors and job practitioners. They were developed using the Occupational Profile as a reference point and taking into account the specifications of training and learning outcomes.
- 2.4 The modules contain "Learning-Working Assignments" (LWAs) and related "Practical Exercises" (PEXs) as key elements.

LWAs are simulated or real job situations/assignments that are suitable for learning in a training environment (e.g. "small projects"). In a working environment, LWAs are real work situations.

PEXs are therefore sub-sets of a LWA.

2.5 In principle, and following the philosophy of Competence-Based Education and Training (CBET), the modules can be used as a guide for learning in a training Centre, at the workplace; or a combination of both.

WHO IS A AUDIO PRODUCER LEVEL 1?

AUDIO PRODUCERis a person who has knowledge and skills in handling and using recording equipment as well as music instrumental playing skills to create audio material.

OVERVIEW MODULES FOR A AUDIO PRODUCER UVQF LEVEL 1

Code	Module Title	Average	duration
		Contact hours	Weeks
UE/AP/M1.1	Set up audio studio	80 hours	2weeks
UE/AP/M1.2	Manage recording hardware and software	168 hours	4weeks and 1day
UE/AP/M1.3	Produce audio	240 hours	6 weeks
UE/AP/M1.4	Perform entrepreneurial tasks	200 hours	5 weeks
Summary	5 modules	1408 hours	19 weeks and 1 day

Note: Average duration is contact time but NOT calendar duration.

It is assumed that:

- 1 day is equivalent to 8 hours of nominal learning and
- 1 month is equivalent to 240hours of nominal learning

Information given on the average duration of training should be understood as a guideline. Quick learners may need less time than indicated or vice versa.

At completion of a module, the learner should be able to satisfactorily perform the included Learning Working Assignments, their Practical exercises and attached theoretical instructions, as the minimum exposure.

Prior to summative assessment by recognized Agencies, the users of these Modules Guides are encouraged to carefully consider continuous assessment using samples of (or similar) performance (practical) and written test items available in part 3 of this ATP for **AUDIO PRODUCER**.

Code	UE/AP/M1.1
Module title	M1.1: Set up Audio studio
Related Qualification	Part of
	Uganda Vocational Qualification
	(Audio producer UVQ 1)
Qualification Level	1
Module purpose	At the end of this module, a trainee shall be
	able to set up audio studio
Learning-Working Assignments	LWA 1/1: Identify venue
(LWAs)	LWA 1/2: Venue treatment
	LWA 1/3: Identify equipment, tools and
	materials
	LWA 1/4: Assemble equipments, tools and
	materials
	LWA 1/5: Perfom Occupational health,
	safety and environmental
	protection practices
	Note:
	1. The learning exercises may be
	repeated till the trainee acquires
	targeted competences.
	2. The trainer is advised to deliver
	relevant theoretical instructions with
	demonstrations as required to perform
	each learning assignment.
Related Practical Exercises	LWA 1/1: Identify venue
(PEXs)	PEX 1.1: Survey venue
	PEX 1.2: Secure venue
	PEX 1.3: Clean venue
	LWA 1/2: Treat venue
	PEX 2.1: Draw venue plan
	PEX 2.2: Partition venue
	PEX 2.3: Decorate venue
	PEX 2.3: Make Acoustic treatment

	LWA1/3: Select equipment, tools and
	materials
	PEX 3.1: Identify recording hardware
	PEX 3.2: Identify recording software
	PEX 3.3: Identify furniture
	PEX 3.4: Identify electrical materials
	PEX 3.5: Procure equipment, tools and
	materials,
	PEX3.6: Store equipment, tools and
	materials
	LWA 1/4: Assemble equipment, tools
	and materials
	PEX 4.1: Arrange equipment, tools and
	materials
	PEX 4.2: Connect equipment
	PEX 4.3: Configure set up
	PEX4.4: Identify power source
	PEX 4.5: Test system
	LWA1.5: Perform Occupational health,
	safety and environment
	protection practices.
	PEX 5.1: Manage waste
	PEX5.2: Wear protective gears
	PEX 5.3: Manage security
	PEX 5.4: Sensitize workers on health
	issues
	PEX 7.5: Administer first aid
	Precautions, rules and regulations on
	occupational health safety and
	environmental protection included in the
	listed related knowledge should be
The state of the s	_
	observed and demonstrated during LWAs
	observed and demonstrated during LWAs and PEXs. E.g.wear protective gears
	observed and demonstrated during LWAs
Occupational health and safety	observed and demonstrated during LWAs and PEXs. E.g.wear protective gears

Related knowledge/ theory	For occupational theory suggested for	
	instruction/demonstration, the trainer is not	
	limited to the outline below. In any case	
	related knowledge/theory may be obtained	
	from various recognised reference	
	materials as appropriate:	
	Budgeting	
	 Knowledge on sound 	
	 Security 	
	 Studio maintenance 	
	Studio equipment	
	 Technicians 	
	 Electrical knowledge 	
	 Decision making 	
	ICT knowledge	
	Art and Design	
Average duration of learning	80hours (10days) of nominal learning	
Average duration of learning	suggested to include:	
	3 day of occupational theory and	
	7 days of occupational practice	
Suggestions on	The acquisition of competencies (Skills,	
	knowledge, attitudes) described in this	
organization of learning	module may take place at a training centre	
	or its equivalent provided all equipment and	
	materials required for training are in place.	
Assessment	Assessment to be conducted according to	
	the established regulations by recognised	
	assessment body using related Practical	
	and written Test Items from Item Bank	
Minimum required tools/ equipment/	Table, chair, microphone, computer, audio	
implements or equivalent	interface, wire, cables, music instruments,	
	Flash disks, Acoustic materials,	
	microphone stands, music stands,	
Minimum required materials and	Compact disks, brooms, detergent, water,	
consumables or equivalent	books, pens, sprays,	
Special notes	Focus on quality	

	 Focus on market standards
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Code	UE/AP/M1.2
Module title	M1.2: Manage recording hardware and
	software
Related Qualification	Part of
	Uganda VocationalQualification
Qualification Level	(Audio producer UVQ 1)
Module purpose	At the end of this module, a trainee shall be
	able to manage recording hardware and
	software
Learning-Working Assignments	LWA 2/1: Maintain recording Gears
(LWAs)	LWA 2/2: Maintain recording software
	LWA 2/3: Provide Data security
	LWA 2/4: Perform occupational health
	safety and environmental
	protection practices
	Note:
	1. The learning exercises may be
	repeated till the trainee acquires
	targeted competence
	2. The trainer is advised to deliver
	relevant theoretical instruction with
	demonstrations as required to perform
Polated Prestical Eversions (PEVs)	each learning assignment
Related Practical Exercises (PEXs)	LWA 2/1: Maintain recording Gears PEX 1.1: Clean machines
	PEX 1.1. Clean machines PEX 1.2: Service machines
	PEX 1.3: Disassemble machines
	PEX 1.4: Assemble machines
	PEX 1.4: Assemble machines PEX 1.4: Observe power supply
	PEX 1.5: Test machines
	LWA 2/2: Maintain recording software
	PEX 2.1: Update software
	PEX 2.2: Upgrade software
	PEX 2.3: Install software
	PEX 2.4: Configure software
	PEX 2.5: Test software
	PEX 2.6 : Clean boot

	LWA 2/3: Provide data security
	PEX 3.1: Store data
	PEX 3.2: Restrict access
	PEX 3.3: Backup data
	PEX 3.4: Recover data
	PEX 3.5: Organize data
	LWA2/4: Perform occupational health,
	safety and Environment
	protection Practises.
	PEX 4.1: Wear Protective gears
	PEX 4.2: Manage wastes
	PEX 4.3: Administer first aid
	PEX 4.4: Sensitize worker on health and
	safety measures
	PEX 4.5: Maintain personal hygiene
	Precautions, rules and regulations on
	occupational health safety and
	environmental protection included in the
	listed related knowledge should be
	observed and demonstrated during LWAs
	and PEXs
	None
Occupational health and safety	
Pre-requisite modules	

Related knowledge/ theory	For occupational theory suggested for	
	instruction/demonstration, the trainer is not	
	limited to the outline below. In any case	
	related knowledge/ theory may be obtained	
	from various recognised reference	
	materials as appropriate:	
	• ICT	
	Electrical knowledge	
	Types of hardware	
	Types of soft ware	
	Cleaning materials	
	Health and safety	
	Hardware and software usage	
	installation	
	knowledge on sound	
	software and hardware trends	
	software and hardware generations	
	30itware and hardware generations	
Average duration of learning	168 hours (21days) of nominal learning	
	suggested to include:	
	5 days of occupational theory and	
	16 days of occupational practice	
Suggestions on	The acquisition of competencies (Skills,	
organization of learning	knowledge, attitudes) described in this	
organization of learning	module may take place at a training centre	
	or its equivalent provided all equipment and	
	materials required for training are in place.	
Assessment	Assessment to be conducted according to	
	the established regulations by	
	recognised assessment body using related	
	Practical and written Test Items from Item	
	Bank	
Minimum required tools/ equipment/	Computer, cleaning materials, storage	
implements or equivalent	devices, recording soft ware,	
Minimum required materials and	Internet, sprayers, detergents, chemicals,	
consumables or equivalent	power source, stationary	

S	pecial notes	Be strict on machine usage and safety
		precautions.

Code	UE/AP/M1.3
Module title	M1.3: Produce audio
Related Qualification	Part of Uganda Vocational Qualification (Audio producer UVQ 1)
Qualification Level	1
Module purpose	At the end of this module, a trainee shall be able to produce audio
Learning-Working Assignments	
(LWAs)	LWA 3/1: Manage recording environment LWA 3/2: Manage instruments LWA 3/3:Manage vocals LWA 3/4:Manage genres
	LWA 3/5:Record audio LWA 3/6:Manage sound parameters LWA 3/7: Extract audio
	LWA 3/8: Occupational health, safety and environmental protection practices
	Note:
	 The learning exercises may be repeated till the trainee acquires targeted competences. The trainer is advised to deliver relevant theoretical instructions with demonstrations as required to perform
	each learning assignment.
Related Practical Exercises (PEXs)	LWA 3/1: Manage recording environmets PEX 1.1: Determine environment PEX 1.2: Select environment PEX 1.3: Pre test environment PEX 1.4: Prepare environment PEX 1.5: Test environment

LWA 3/2: Manage instruments PEX 2.1:Identify instruments PEX 2.2:Select instruments PEX 2.3: Assemble instruments PEX 2.4: Connect instruments PEX 2.5: Tune instruments PEX 2.6: Determine range PEX 2.7: Determine recording method PEX 2.8: Test instruments PEX2.9: Play instruments PEX 2.10: Record content PEX 2.11: Save content PEX 2.12: Store instruments LWA 3/3: Manage vocals PEX3.1:Listen to composition PEX3.2:Determine vocal ranges PEX 3.3:Determine vocal dynamics PEX 3.4:Record vocals PEX 3.5:Edit vocals PEX3.6:Save vocals LWA 3/4: Manage genres/ style PEX 4.1: Listen to composition PEX 4.2: Determine style PEX 4.3: Determine tempo/ speed (BPM) PEX 4.4: Select instruments PEX 4.5: Select sound PEX 4.6: Determine rhythm PEX 4.7: Determine melody PEX 4.8: Select chord progression

PEX 4.9: Select keys

PEX 4.10: Determine vocals

LWA 3/5: Record Audio
PEX 5.1: Prepare venue
PEX 5.2: Prepare tools, equipment and
materials
PEX 5.3: Arrange tools, equipment and
materials
PEX 5.4: Perform vocal warmups.
PEX 5.5: Set input levels
PEX 5.6: Test input levels
PEX 5.7 : Capture content
PEX 5.8: Edit content
PEX 5.9: Save content
LWA3/6: Manage sound paremeters
PEX 6.1:Listen to sound
PEX 6.2:Determine frequency
PEX 6.3:Determine intensity (DB)
PEX 6.4: Boost frequencies
PEX 6.5: Remove frequencies
PEX 6.6: Determine soundformats
PEX 6.7: Monitor sound
PEX 6.8: Compress sound
PEX 6.9: Automate sound
LWA 3/7: Extract audio
PEX 7.1: Bounce files
PEX 7.2: Convert files
PEX 7.3: Share files
PEX 7.4: Copy files
PEX 7.5: Save files
LWA 3/8: Perform Occupational health,
safety and environment
protection practices.
PEX8.1:Wear protective gears
PEX 8.2: Perform fire fighting
PEX 8.3: Sensitize workers on health
issues

UVQF: Assessment and Training Package (ATP) for AUDIO PRODUCER QUALIFICATION LEVEL 1

UVQF: Assessment and Training Package (ATP) for AUDIO PRODUCER		
QUALIFICATION LEVEL 1		January 2022
	PEX 8.4:Administer first aid	
	PEX 8.5: Manage waste	

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Occupational health and safety	Precautions, rules and regulations on
	occupational health safety and
	environmental protection included
	in the listed related knowledge
	should be observed and
	demonstrated during LWAs and
	PEXs. E.g.wear protective gears
Pre-requisite modules	None
Related knowledge/ theory	For occupational theory suggested for
	instruction/demonstration, the trainer is not
	limited to the outline below. In any case
	related knowledge/theory may be obtained
	from various recognised reference
	materials as appropriate:
	Sense of tone
	Recording environment
	Types of instruments
	 Types of genres/ styles
	Vocals
	Recording tools, equipment
	• ICT
	Sound engineering
	Electrical knowledge
	Technical knowledge
	Safety and health
	_
	Composition Artistic knowledge
	Artistic knowledge
Average duration of learning	240hours (30 days) of nominal learning
	suggested to include:
	8 day of occupational theory and
	22 days of occupational practice

UVQF: Assessment and Training Package (ATP) for AUDIO PRODUCER QUALIFICATION LEVEL 1

Suggestions on	The acquisition of competencies (Skills,
organization of learning	knowledge, attitudes) described in this module may take place at a training centre
	or its equivalent provided all equipment and
	materials required for training are in place.

Assessment	Assessment to be conducted according to
	the established regulations by recognised
	assessment body using related Practical
	and written Test Items from Item Bank
Minimum required tools/ equipment/	Computers, softwares, music instruments,
implements or equivalent	micro phones, furniture, recording gears
Minimum required materials and	Electricity, stationary, detergents,
consumables or equivalent	sanitizers,
Special notes	Music instruments are an added
	advantage at this level

January 2022

Code	UE/AP/M1.4
Module title	M1.4: Perform entrepreneurial task
Related Qualification	Part of
	Uganda Vocational Qualification
	(Audio producer UVQ 1)
Qualification Level	1
Module purpose	At the end of this module, a trainee shall be able
	to perform entrepreneurial tasks
Learning-Working	LWA 4/1: Market service
Assignments (LWAs)	LWA 4/2: Manage finances
	LWA 4/3: keep records
	LWA 4/4: Perform occupational Health, Safety
	and environment protection
	practices
	Note:
	1. The learning exercises may be
	repeated till the trainee acquires
	targeted competence
	2. The trainer is advised to deliver
	relevant theoretical instruction with
	demonstrations as required to perform
	each learning assignment
Related Practical Exercises	LWA 4/1: Market service
(PEXs)	PEX 4.1: Cost service
	PEX 4.2: Advertise/promote service
	PEX 4.3: Brand service
	PEX 4.4:Create partnerships
	PEX 4.5: Value service
	PEX 4.6: Perform customer care
	PEX 4.7: Distribute product
	LWA 4/2: Manage finances
	·

QUALIFICATION LEVEL 1	January 2022
	PEX 2.1: Prepare budgets
	PEX 2.2: Source funds
	PEX 2.3: Prepare balance sheets
	PEX 2.4: Prepare cash flow statements
	PEX 2.5: Prepare receipts
	PEX 2.6: Prepare income statements
	PEX 2.7: Prepare inventory
	PEX 2.8: Prepare debit notes
	PEX 2.8: Prepare debit notes

	LWA 4/3: Keep record
	PEX 3.1: Prepare reports
	PEX 3.2: Prepare portfolio
	PEX 3.3: Sign agreements
	PEX 3.4: Keep staff records
	PEX 3.5: Keep guest data
	PEX 3.6: Keep business files
	LWA 4/4 : Performoccupational Health, safety
	and environment protection
	practices
	PEX 4.1: Manage waste
	PEX 4.2: Administer first aid
	PEX 4.3: Wear protective gear
	PEX 4.4: Practise personal hygiene
	PEX 4.5: Sensitize workers on health issues
	PEX 4.6:
Occupational Health and Safety	Precautions, rules and regulations on
	occupational health safety and environmental
	protection included in the listed related
	knowledge should be observed and
	demonstrated during LWAs and PEXs
Pre-Requisite Modules	None
Related Knowledge/ Theory	For occupational theory suggested for
	instruction/demonstration, the trainer is not
	limited to the outline below. In any case related
	knowledge/ theory may be obtained from various
	recognised reference materials as appropriate:
	Advertising
	Financial knowledge
	Customer care
	Report writing

UVQF: Assessment and Training Package (ATP) for AUDIO PRODUCER

QUALIFICATION LEVEL 1	January 2022
	Record keeping
	Commercial knowledge
	Branding
	Portfolio making
	Rules and regulations/ government policies
	 Safety, health and environmental knowledge
	Conflict resolution

Average Duration of Learning	200hours (25days) of nominal learning
	suggested to include:
	 20 day of occupational theory and
	 5 days of occupational practice
Suggestions On	The acquisition of competencies (Skills,
Organization of Learning	knowledge, attitudes) described in this module
Organization of Learning	may take place at a training centre or its
	equivalent provided all equipment and materials
	required for training are in place.
Assessment	Assessment to be conducted according to the
	established regulations by
	recognised assessment body using related
	Practical and written Test Items from Item Bank
Minimum Required Tools/	Computers, furniture, printers, cameras,
Equipment/ Implements or	calculators,
Equivalent	
Minimum Required Materials	Stationary, electricity, sanitizers, first aid kit,
and Consumables or Equivalent	internet,
Special Notes	 Customers are always the king therefore
	customer care is so paramount.

ATP-PART III

Assessment Instruments for AUDIO PRODUCER

- 3.1 Assessment of occupational competence is the procedure by which evidence is gathered and judged to decide if an individual (candidate) has met the stipulated assessment standards.
- 3.2 Assessment of occupational competence should comprise of both practical (performance) testing and written (theory/knowledge) testing.
- 3.3 Based on the Occupational Profile and Training Modules, a combined panel of job practitioners and Instructors developed a substantial number of test items for assessing (practical) performance as well as items for assessing occupational knowledge (theory) all stored in an electronic Test Item Bank (TIB) at the Directorate of Industrial Training.
- 3.4 Performance (Practical)TestItems(PTI) are closely related to typical work situations in Ugandan business enterprises. They comprise of a test assignment for candidates and assessment criteria and/or scoring guides for assessors' use.
- 3.5 Written Test items (WTI) for written testing of occupational theory, (knowledge) are presented in different forms which include:
 - Short answer test items.
 - Multiple choice test items
 - Matching test items

These WTIs here in focus on functional understanding as well as troubleshooting typically synonymous with the world of work.

- 3.6 Composition of assessment/test papers will always require good choices of different types of WTI in order to ensure the assessment of relevant occupational knowledge required of candidates to exhibit competence.
- 3.7 The test items contained in the Test Item Bank may be used for continuous/formative assessment during the process of training as well as for summative assessment of candidates who have acquired their competences non-formally or informally.
- In this document, samples of test items for assessing both performance (practical) and occupational knowledge (theory) of AUDIO PRODUCERS included a larger selection of test items can be obtained as electronic or printed copies from the UVQF Secretariat or designated outlet.

3.9 Overview of Test Item Samples Included

		Numbers included
No	Type of test Items	
1	Written (Theory)- Short Answer	2
2.	Written (Theory)- Multiple Choice	2
3.	Written (Theory)- Matching with generic 1	
4.	Written (Theory)- Matching with cause effect	1
5	Written(theory)-Matching with work-sequence	1
6.	Performance (Practical)Test Items	1
	Total	8

DIT/ QS	Test Item Database Written (Theory) Test Item- no. 1						
Occupational Title:	Audio producer						
Competence level:	Level 1	Level 1					
Code no.							
	Short answer	√					
Test Item	Multiple choice						
type:	Matching item	Generic	Cause- Effect	Work-sequence			
Complexity level:	C1						
Date of OP:	January 2022						
Related modules:	M1.2						
Time allocation:	3Minutes						

Test Item	List any three equipment on which data is stored		
Answer spaces	iiiiii		

Expected key (answers)

DIT/ QS	Test Item Database Written (Theory) Test Item- no. 2						
Occupational Title:	Audio producer						
Competence level:	Level 1	Level 1					
Code no.							
	Short answer	V					
Test Item	Multiple choice						
type:	Matching item	Generic	Cause- Effect	Work-sequence			
Complexity level:	C2						
Date of OP:	January 2022						
Related modules:	M1.4						
Time allocation:	4minutes						

Test Item	List three activities done while marketing audio service				
Answer spaces	iiiiii				
Expected key (answers)	 i. Advertising ii. Branding iii. Creating pattnerships iv. Displaying sign posts v. Carry out sales promotions vi. Giving out business cards vii. Distribute audio samples 				

DIT/ QS	Test Item Database Written (Theory) Test Item- no. 03				
Occupational Title:	Audio producer				
Competence level:	Level 1				
Code no.					
Test Item type:	Short answer Multiple choice Matching item	√ Generic	Cause-Effect	Work-sequence	
Complexity level:	C3				
Date of OP:	January 2022				
Related Module:	M1.3				
Time allocation:	allocation: 2 minutes				

Test Item	What is the MAJOR task done while editing an audio?					
Distracters and correct answer	A. Exporting B. Mastering C. Panning D. Mixing					
Key (answer)	С					

DIT/ QS	Test Item Database Written (Theory) Test Item- no. 04				
Occupational Title:	Audio producer				
Competence level:	Level 1	Level 1			
Code no.					
	Short answer				
Test Item type:	Multiple choice	1			
rest item type.	Matching item	Generic	Cause-Effect	Work-sequence	
Complexity level:	C2				
Date of OP:	January 2022				
Related Module:	M1.2				
Time allocation: 2 minutes					

Test Item	Which of the following is an input device?
Distracters and correct answer	A. MonitorB. MicrophoneC. Head phoneD. Sound booth
Key (answer)	В

DIT/ QS	Test Item Database			
DII/ Q3	Written (Theory) Test Item- no. 05			
Occupational Title:	AUDIO PRODUCER			
Qualification level:	Level 1			
Code no.				
Test Item type:	Short answer Multiple choice Matching item	Generic $$	Cause- Effect	Work-sequence
Complexity level:	C2	,		
Date of OP:	January 2022			
Related Module:	M1.2			
Time allocation:	3Minutes			

Match the following instruments with their functions
--

Column (A)[Instrument]				
Α	Midi controller			
В	Computer			
С	Microphone			
D	Acoustic foam			

Column (B)[Fuctions]			
1	Hear sound		
2	Capture sound		
3	Outputs sound		
4	Plays sound		
5	Filter sound		
6	Edit sound		
7	Absorbs sound		

	-
Key (answer)	A-4, B-6, C-2, D-7

DIT/ QS	Test Item Database					
	Wri	tten (Theo	ry) Test Item- no	. 06		
Occupational Title:	Audio producer					
Competence level:	Level 1					
Code no.						
	Short answer					
Test Item type:	Multiple choice					
rest item type.	Matching item	Generic	Cause- Effect	Work-sequence		
Complexity level:	C3					
Date of OP:	January 2022					
Related Module:	M1.3					
Time allocation:	4Minutes					

Test Item Match the following faults to their causes in audio production
--

Column (A) (Faults)				
Α	Data loss			
В	Echoes in the studio			
С	Un coordinated pitches			
D	Unbalanced sound			

Column (B) (causes)			
1	Improper mastering		
2	Improper power connections		
3	Improper tunning		
4	Failure to store		
5	Failure to repair		
6	Improper acoustic treatment		
7	Failure to lubricate		

Key (answer)	A-4, B-6, C-3, D-1

DIT/ QS	Test Item Database					
DII/ Q3	Written (Theory) Test Item- no. 07					
Occupational Title:	Audio producer					
Competence level:	Level 1					
Code no.						
	Short answer					
Test Item type:	Multiple choice					
rest item type.	Matching item	Generic	Cause- Effect	Work-sequence		
	ŭ			V		
Complexity level:	C2					
Date of OP:	January 2022					
Related Module:	M1.3					
Time allocation:	10Minutes					

Test Item	Match the following steps followed when setting up audio studio				
rest item	in their chronological order.				

Column A (Order)		Column B (Steps in wrong order)		
1 st	A	Source tools, equipment and materials		
2 nd	В	Source funds		
3 rd	С	Install and arrange tools, equipment and materials		
4 th	D	Identify venue		
5 th	E	Determine tools, equipment and materials		
6 th	F	Test tools and equipment		
7 th	G	Carry out market survey		

Key (answer) A 5 , B4, C6, D2, E3, F7, G1,

DIT/ QS	Test Item Database					
D117 Q3	Written (Theory) Test Item- no. 08					
Occupational Title:	Audio producer					
Competence level:	Level 1					
Code no.						
	Short answer					
Toot Itom type:	Multiple choice					
Test Item type:	Matching item	Generic	Cause- Effect	Work-sequence		
				V		
Complexity level:	C2					
Date of OP:	January 2022					
Related Module:	M1.3					
Time allocation:	8 Minutes					

Test Item	Arrange the following steps in recording an audio in	
rest item	theirchronological order/ proper order.	

Column A (Order)		Column B (Steps in wrong order)	
1 st	А	Prepare tools, equipment and materials	
2 nd	В	Identify environment	
3 rd	С	Prepare venue	
4 th	D	Save and extract content	
5 th	Е	Assemble tools, equipment and materials	
6 th Se	F	Capture and edit content	
7 th	G	Perform warmups	

UVQF: Assessment and Training Package (ATP) for AUDIO PRODUCER

QUALIFICATION LEVEL 1		January 2022
8 th	н	Set and test input levels

Key (answer)	1-B, 2-C, 3-A, 4-E, 5-G, 6-H, 7-F, 8-D

DIT/ QS	Test Item Database	
	Performance Test Item- no.01.	
Occupational Title:	Audio producer	
Competence level:	1	
Code no.		
Test Item:	Produce piece x in Afropopat 100 BPM.	
Complexity level:	P2	
Date of OP:	JANUARY 2022	
Related Module:	M1.3	
Related skills and knowledge:	Afropop, African drums, quantization, major minor and pentatonic scales	
Required tools, materials and equipment:	Computer, microphone, audio interface, studio monitors, midi controller, connecting cables, power source, stationery, hardware (djembe, conga and shaker)/ software packages.	
Time allocation:	3 Hours	
Preferred venue:	Audio studio	
Remarks for	Avail protective gear	
candidates	Observe health safety and environment	
Remarks for assessors	Provide all the tools equipment and materials listed above	

#	Assessment	Capring guida	Max. Sc	Max. Score	
#	criteria	Scoring guide	Process	Result	
1	Preparation before task	Wore protective gear		1	
		Assembled tools and equipments		2	
		Assembled materials		1	
2	Open project	Arranged page layout	2		
		100 BPM and quantize observed		2	
		Selected plugins		2	
4	Record sound	Selected input level	2		
		Captured sound		2	
		Edited sound	2		
		Balanced sounds with • Drums		2	
		Melody		2	
		Low ends		2	
		Hi- ends		2	
		Compression		2	
		Equalization		2	
		Soothing sound heard		4	
		Saved page observed		4	
		Exported audio observed		2	
5	Post recording	Analyzed sound	2		
	activities	Optimized frequencies hear		3	
		Matching chords heard		2	
		African grooveheard		2	
	Performed finishing	Closed programmes observed	2		
6		Shut down computer	2		
0		A shut down computer observed		2	
		Switched off equipment	2		

MAXIMUM SCORE			
TOTAL (Y)	Process + Results	<u>*</u> x 100	
		18	49
	A clean studio observed		2
	Cleaned studio	2	
	Packed tools and equipment	2	
	Covered equipment observed		2
	Dissembled tools and equipment observed		2
	Power switched off observed		2

4.0 ATP- PART IV

INFORMATION ON DEVELOPMENT PROCESS

4.1 Occupational Profile Developed(January 2022)

The Occupational Profile was exclusively developed by job practitioners who were working in the Audio producer occupation. The job expert panel, guided by UVQF Facilitators defined duties and tasks performed and provided additional generic information regarding the occupation.

4.2 Training Module Developed(January 2022)

Based on the Occupational Profile for Audio producer of January 2022, Training Modules were developed by job practitioners, guided by UVQF Facilitators.

4.3 Test Item Developed (January 2022)

Based on the Occupational Profile for Audio producer of January 2022, and Training Modules, Test Items were developed sby combined panels of instructors and job practitioners, guided by UVQF Facilitators.

4.4 Methodology

The rationale for the Assessment and Training Package development was to link Vocational Education and Training to the real world of work by bridging Occupational Standards to Training Standards through industry-led Standards-Based Assessment.

Active participation of both instructors and job practitioners' panels consolidated the development philosophy.

The panelists worked as teams in workshop settings complemented by offworkshop field research and literature review activities including international benchmarking.

4.5 Development Panels

The participating panels of Job Practitioners required at different stages were constituted by members from the following organizations:

No.	Name	Institution/ Organization
	Ntubiro Godfrey	
1.		NCDC
2.	Julius Kyoshabira	UNEB
3.	Ssendikwanawa Raymond	Mityana ss
4.	Sempereza Daniel	Kaboja International school
5.	Kiwuwa Henry	Grayce sounds
6.	Ike Joshua	Sound district records
7.	Ngabo Herbert	Harvey Gold Studio
8.	TumwesigyeRemigious	Alpha studios
9.	Gerald Mutebi	Mota Records
10.	Matovu Ronald	Gagamel Records

4.6 Facilitator team

This Assessment and Training Package was developed by a Facilitator team listed below:

- 1. Team Leader Mr. Byakatonda Patrick, Ag Deputy Director, DIT
- 2. Coordinated by Ms. Mukyala Ruth, Ag.DD/DIT
- 3. Facilitators Ms. Mushabenta Brendah and Ms. Tuhirirwe Doreen.
- 4. Data entrants Mr.Kirinya Steven and Ms. Mutonyi Sharon
- 4. Compiled and edited by Ms. Mushabenta Brendah

4.7 Reference time:

The Assessment and Training Package was developed in January 2022 and may be periodically revised to match the dynamic trends in the occupation and hence issued in different versions.

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