

BROADCAST EQUIPMENT AND STUDIO OPERATIONS

TVET CDACC UNIT CODE: ME/CU/BJ/CR/05/6/MA

Relationship to Occupational Standards

This unit addresses the unit of competency: Determine Broadcast Equipment and Studio Operations

Duration of Unit: 120 hours

Unit Description

This unit specifies the competencies required to determine broadcast equipment and studio operations. It involves determining studio equipment and arrangements, preparing studio operation room, managing broadcast studio operations, determining editing equipment and operations and demonstrating the use of broadcast technologies

Summary of Learning Outcomes

	Elements	Duration (Hrs)
1	Determine studio equipment and arrangements	14
2	Prepare studio operation room	18
3	Manage Broadcast studio operations	34
4	Determine editing equipment and operations	18
5	Demonstrate the use of broadcast technologies	36
	TOTAL	120

Learning Outcomes, Content and Suggested Assessment Methods

Learning Outcome	Content	Suggested Assessment Methods
1. Determine studio equipment and arrangements	1.1. Meaning of terms 1.2. History of broadcasting 1.3. Development of broadcast studios 1.4. Development of broadcast equipment 1.5. Purpose of studio equipment 1.6. Arrangement of studio	• Observation • Written tests • Assignments • Supervised exercises

	equipment	
2. Prepare studio operation room	2.1 Types of studio operation rooms 2.2 Crew for studio operation rooms 2.3 Purpose of studio operation rooms 2.4 Design of studio operation rooms	• Observation • Written tests • Assignments • Supervised exercises
3. Manage Broadcast studio operations	3.1 Studio operators 3.2 Studio operation rules and regulations 3.3 Studio operations health and safety 3.4 Broadcast Studio equipment service and maintenance 3.5 Studio operation schedule 3.6 Handling studio operation equipment	• Observation • Written tests • Oral questioning • Assignments • Supervised exercises
4. Determine Editing equipment's and operations	4.1 Meaning of terms 4.2 Types of broadcast editing tools and equipment 4.3 Purpose of broadcast editing equipment 4.4 Methods of Broadcast editing 4.5 Qualities of good broadcast editing personnel 4.6 Using broadcast editing tools and equipment	• Observation • Written tests • Oral questioning • Assignments • Supervised exercises •
5. Demonstrate the understanding of broadcast technologies	5.1 Meaning of terms 5.2 Types of broadcast technologies 5.3 Functions of broadcast technologies	• Observation • Written tests • Oral questioning • Assignments • Supervised exercises

	5.4 Application of broadcast technologies	•
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Suggested Methods of Instruction

- Group discussions and presentation
- Demonstration by trainer
- Practical work by trainee
- Exercises

Recommended Resources

- Wireless microphones
- Video cameras
- Tablets
- Smart phones
- Laptops
- SD cards and card readers
- TFT screens
- Drone cameras
- Recorders

MODULE II