

073106T4ELC

ELECTRONICS ENGINEERING LEVEL 6

ENG/OS/ET/CR/06/6

Maintain Automation and Radio Frequency Systems

July/August 2025



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION
COUNCIL (TVET CDACC)**

PRACTICE ASSESSMENT

Time: 3 HOURS

INSTRUCTIONS TO CANDIDATE:

1. You are required to carry out comprehensive maintenance on a malfunctioning radio communication system to restore its proper functionality. Perform the following tasks

TASK 1: Prepare a Maintenance Checklist for the Radio System

TASK 2: Perform visual inspection, identify the faults and repair them

TASK 3: Test the Maintained radio system

TASK 4: Prepare a Maintenance Report

2. You have been provided with the following resources for the practical tasks:

- i. Radio System (8 watts 3V DC IN, 1.5Vx2 dry cells)
- ii. 2 Dry cells 1.5V

- iii. Cables (red and black) 1 mm²
- iv. Soldering gun
- v. Soldering wire
- vi. Multi-meter
- vii. Equipment labels