

071606T4IMT

INDUSTRIAL MECHATRONIC TECHNICIAN LEVEL 6

ENG/OS/IMT/CR/12/6

Maintain Supervisory Control and Data Acquisition (SCADA) Systems

July/August 2025



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

PRACTICE ASSESSMENT
Tim RS

INSTRUCTIONS TO CANDIDATE:

1. You are required to perform the following tasks:

TASK 1: Wire a motor control circuit to operate an automatic sliding door motor

TASK 2: Develop a PLC program and connect to the SCADA system and HMI device

TASK 3: Configure the SCADA System communication

TASK 4: Test and operate of the system

2. You are provided with the following resources;

- i. Push button switches
- ii. Green indicator
- iii. 24Vdc/ 12Vdc motor
- iv. Limit switches
- v. Proximity/Capacitive sensors

- vi. PLC Module
- vii. PLC communication cable
- viii. PLC programming software
- ix. SCADA System
- x. HMI Device
- xi. Connecting Cables
- xii. Tool set (screw drivers, pliers, cutter, stripper, tester)
- xiii. Multimeter