

061005T4ICT

ICT TECHNICIAN LEVEL 5

ICT/OS/IT/CR/01/5

Perform Computer Networking

Nov/Dec 2025



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

PRACTICAL ASSESSMENT

Time: 4 HOURS

INSTRUCTIONS TO CANDIDATE:

1. You are required to perform the following tasks:

**TASK 1: IDENTIFICATION AND CONNECTION OF COMPONENTS
NETWORK (1 HOUR)**

A college is expanding its operations by setting up a new office network. As a Level 5 network technician, your role is to prepare the necessary components and establish a functional network between two computers

- a) Identify all the networking devices and tools provided.
- b) Terminate a one-meter-long Ethernet cables.
- c) Test the terminated Ethernet cable.
- d) Use the prepared cables to connect the two computers to the router.

TASK 2: CONFIGURATION OF CONNECTED NETWORK DEVICES (1 HOUR)

- a) Power on all the networked devices.
- b) Assign IP addresses to the two computers.
- c) On the first computer, create a word document named: “*My Network*”
- d) Capture a screenshot of the IP configuration window and paste in “*My Network*” document.
- e) Verify the connectivity between the two computers and screenshot the results and paste it in “*My Network*” word document saved earlier.

TASK 3: DESIGNING A NETWORK TOPOLOGY (2 HOURS)

- a) Draw a network topology for the created network on the provided foolscap.
- b) Label all components clearly.
- c) Set up file sharing between the two computers.
- d) Share the word document “*My Network*” to the second computer.
- e) Write the network design report in “*My Network*” document.
- f) Print the document.

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

- Two working computers installed with any Microsoft office suite
- Router
- Ethernet cables
- Crimping tool
- RJ-45 connectors
- Cable stripper
- Cable testers
- Tape measure
- Label stickers
- Foolscaps
- pen