

061005T4ICT

ICT TECHNICIAN LEVEL 5

IT/OS/ICT/CR/1/5

Perform Computer Networking

March/April 2025



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

PRACTICAL ASSESSMENT

INSTRUCTIONS TO ASSESSOR

1. Assess the candidate as the practical progresses observing the critical areas
2. You are required to mark the practical as the candidate perform the tasks
3. You are required to take video clips at critical points
4. Ensure the candidate has a name tag and registration code at the back and front

OBSERVATION CHECKLIST

Candidate's Name & Registration Code			
Assessors Name & Registration Code			
Venue of Assessment			
Date of Assessment			
Items to be Evaluated: <i>Please award marks as appropriate. Give a brief comment on your observation.</i>	Marks Available	Marks Obtained	Comments
TASK 1: Prepare Network Cable			
1. Candidate wore appropriate PPE	2		
2. Outer insulation is stripped without damaging inner wires <i>(Award 2 mark or 0 for each)</i>	2		
3. Correct length of cable exposed w precise cuts <i>(Award 1 mark or 0)</i>	1		
4. Wires arranged according to T568 standard <i>(Award 2 mark or 0)</i>	2		
5. Consistent wire sequence in all cables	1		
6. RJ45 Connector crimped securely	1		
7. No loose or misaligned wires in connectors <i>(Award 1 mark or 0 for each)</i>	1		
8. Cable tester used correctly according to instructions	2		
9. Continuity check passed (all cable pairs showing connection) <i>(Award 2 mark or 0 for each)</i>	2		
10. Correct wiring (no crossed or miswired pairs) <i>(Award 1 mark or 0)</i>	1		

Sub-Total 1	15		
TASK 2: Connect and Configure Network Devices			
11. Devices (PC1, PC2, Switch and Router) connected properly <i>(Award 4 mark or 0)</i>	4		
12. The router properly connected to the internet source. <i>(Award 2 mark or 0)</i>	2		
13. Router configuration window accessed correctly via the browser <i>(Award 2 or 0)</i>	2		
14. Successfully set the WAN/Internet settings of the router to Dynamic	2		
15. Successfully set;			
a. SSID/Wi-Fi Name to “Guest	2		
b. Wi-Fi Password set to “Gues	2		
<i>(Award 2 mark or 0 for each)</i>			
16. Network address set to 192.168.1.0/24 <i>(Award 3 mark or 0)</i>	3		
17. Router assigned the IP address: 192.168.1.1	2		
18. DHCP Server enabled			
19. Preferred DNS set to 8.8.8.8	2		
20. Strong password set for router access	2		
<i>(Award 2 mark or 0 for each)</i>	2		
Sub-Total 2	25		
TASK 3: Network Connectivity and Performance Testing			
21. Successfully used Command prompt to get;			
• MAC address for PC1	1		
• IP address for PC1	1		

• MAC address for PC2 • IP address for PC2 <i>(Award 1 mark or 0 for each)</i>	1		
22. Successfully pinged PC1 from PC2	1		
23. Successfully performed speed test from the browser	2		
24. YouTube page loaded successfully, confirming internet connectivity	2		
Sub-Total 3	10		
GRAND TOTAL	50		
ASSESSOR'S COMMENTS			
The candidate was found to be: Competent ☐ Not yet Competent ☐ <i>(Please tick as appropriate)</i> <i>(The candidate is competent if the candidate obtains at least 50%)</i>			
Feedback from the Candidate:			
Feedback to the Candidate:			
Candidate Signature		Date:	
_____		_____	
Assessor's Signature		Date	
_____		_____	