

071306T4RAC

REFRIGERATION AND AIR CONDITIONING TECHNICIAN LEVEL 6

ENG/OS/RAC/CR/07/6

Maintain RAC Control Systems

July/August 2025



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

PRACTICE 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

Candidate's Name			
Candidate's Registration No			
Assessor's Name			
Assessor's Registration code			
Venue of Assessment			
Date of assessment			
Item to be evaluated: <i>Please award marks as appropriate. Give brief comment on your observation.</i>	Maximum Available	Marks Obtained	Comments
1. Wore PPE'S as per SOPs • Apron/dust coats • Safety boots • Gloves	1		
	3		
2. Handled tools and equipment as per workshop procedure.	1		
3. Diagnosed the faults • Checked electrical connections. • Replaced/ refurbished worn parts • Checked windings continuity • Checked bearing condition • Checked capacitors condition. • Serviced starter and run motor starters	1 1 1 1 1 2		
	7		

4. Checked the specifications of a suitable motor • Checked installation unit diagram • checked Size and frame • power rating • Interpretation of electrical circuit diagram	1		
	1		
	1		
	1		
	4		
5. Maintained motor protection systems • Identified of the correct motor protection systems • Checked external motor protection and maintained • Checked internal motor protection and maintained	2		
	2		
6. Tested electronic controls • Identified electronic control diagrams • Interpreted electronic control diagrams • Tested electronic control timers • Tested electronic relay component	1		
	1		
	1		
	2		
	5		
7. Removed the fan motor • Removed the nuts • Flipped the top over to expose the motor. • Removed the motor	1		
	1		
	1		

7. Removed the fan motor - Removed the nuts - Flipped the top over to expose the motor. - Removed the motor	3		
8. Re-installed the motor - Aligned wires have been correctly - Replaced studs correctly - Unplugged drainage ports well	1 1 1		
	3		
9. Fastened down the blower motor - snugged the screw - Connected wire in the motor - encased the connected wires	1		
	3		
10. Run tested the unit - checked the voltage and amperage - commissioned the blower motor	1 1		
	2		

11. Performed housekeeping • Cleaned the work station • Cleaned the tools and equipment • Cleaned the condenser system • Dispersed any waste as per workshop policy	1 1 1 1		
	4		
12. Prepared a service report in line with OSHA standards. • Included the title • Listed the tools • Indicated the fault • Outlined the procedure	1 1 1		
GRAND TOTAL	45 $\frac{x}{45} \times 100$		
ASSESSMENT OUT COME			
The candidate was found to be: Competent ☐ Not yet competent ☐ (Please tick as appropriate) (The candidate is competent if he/she gets 50 % and above)			
Feedback from candidate:			

Feedback to candidate:	
Candidate's Signature _____	Date _____
Assessor's Signature _____	Date _____