

061206T4CYB

CYBER SECURITY TECHNICIAN LEVEL 6

SEC/OS/CS/CR/07/6/A

Secure Databases

Nov/Dec 2024



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

PRACTICAL ASSESSMENT GUIDE

INSTRUCTIONS TO THE ASSESSOR

Assess the candidate as the practical progresses observing the critical areas

You are required to mark the practical as the candidate perform the tasks

You are required to take the video clips at critical points

Ensure the candidate has a name tag and registration code at the back and front

This paper consists of THREE (3) printed pages.

**Assessor should check the tool to ascertain that all the pages are printed as indicated
and that no questions are missing**

OBSERVATION CHECKLIST

Candidate's name & Registration No.			
Assessor's name & Reg. code			
Unit(s) of Competency	Secure Databases		
Venue of Assessment			
Date of assessment			
<i>(Award mark(s) appropriately as guided for in the items for evaluation indicated. Give a brief comment where necessary)</i>			
Items to be evaluated:	Marks Available	Marks Obtained	Comments
Task 1: Installed MySQL server. (Open source)			
i. MySQL Server installed. – <i>Award 1 marks or 0</i>	1		
ii. Test database created. – <i>Award 1 marks or 0</i>	1		
iii. Test user accounts created with different privilege levels.(admin, user and read only) – <i>Award 3 marks or 0</i> NB - 1 mark for every account level created	3		
iv. All the tasks above documented and printed. – <i>Award 3 marks</i>	3		
Task 2: A Database firewall installed and configured.			
i. GreenSQL database firewall installed. – <i>Award 1 marks or 0</i>	1		
ii. Firewall configured to only allow TWO IP address to access the database. – <i>Award 2 marks or 0</i> NB. 1 mark for every IP Address configured	2		
iii. Database access tested using IP addresses	2		

NOT configured to access the database - <i>Award 2 marks or 0</i> NB. 1 Mark for every IP address tested. iv. Firewall rules created (All DROP and DELETE Operations from Non Admin user blocked) - <i>Award 2 marks or 0</i> NB 1 mark for ANY every rule created v. Blocked queries executed to test the firewall functionality. <i>Award 2 marks or 0</i> NB award 1 mark for every blocked query tested. vi. All the steps above are documented and printed -<i>Award 5 marks or 0</i> Award 1 mark for every step documented.	2 2 5		
	22		

ASSESSMENT OUTCOME

The candidate was found to be:

Competent ☐

Not yet competent ☐

(Please tick as appropriate)

(The candidate is competent if s/he gets 50% or higher of the items of evaluation correct)

Feedback to candidate:

Feedback from candidate:

Candidate's Signature

Date

Assessor's Signature

Date

End.