061206T4CYB

CYBER SECURITY TECHNICIAN LEVEL 6

SEC/OS/CS/CR/06/6/A

Secure Software Application

Nov/ Dec. 2024

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

PRACTICAL ASSESSMENT GUIDE

INSTRUCTIONS TO THE 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 the video clips at critical points*
4. *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 SOFTWARE APPLICATION**
Venue of Assessment	
Date of assessment	

Items to be evaluated:	Marks allocated	Marks obtained	Comments
TASK 1			
i. Downloaded and installed Nmap *(Downloading 1 mark, Installing 1 mark)*	2		
ii. Performed a basic scan *(Award 1 marks or zero)*	1		
iii. detected services on the open ports. *(Award 1 marks or zero)*	1		
iv. Detected operating system *(Award 1 marks or zero)*	1		
v. Conducted scan *(Award 1 marks or zero)*	1		
vi. Performed a stealth scan *(Award 1 marks or zero)*	1		
vii. Evaded potential firewalls or Intrusion Detection Systems (IDS) (*Award 2 marks or zero)*	1		
viii. *A* summarize the potential security risks was given *(Award 1 marks or zero)*	1		
TASK 2			
i. Downloaded and installed Burp Suite *(Downloading 1, Installing 1 mark)*	2		
ii. accessed web application *(Award 1 marks or zero)*	1		
iii. captured and analysed HTTP/S traffic between the browser and the web application *(Captured 1 mark, Analysed 1 mark)*	2		

iv. Burp suite's spider tool used to discover the web application's content and functionality. v. Performed automated scans using Burp Suite's Scanner vi. used Burp Suite's repeater or intruder tools to manually test and exploit the vulnerability. vii. Generated a report *(Report findings 2 mark, Recommendations 1 mark)*	1 1 1 3		
GRAND TOTAL	**20**		
Percentage = $\frac{X}{20}X100$			

ASSESMENT OUTCOMES

The candidate was found to be: (Please tick (√) as appropriate)

Competent ☐	Not yet competent ☐

(The candidate is competent if s/he gets 50% of the marks)

Feedback from candidate:

Feedback to candidate:

Candidate's signature:	Date:	
Assessor's signature:	Date:	

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