

071306T4EEN

ELECTRICAL ENGINEERING (POWER OPTION) LEVEL 6

ENG/OS/PO/CR/06/6

Install Security Systems

July/August 2025



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

easyvet.com

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 No.			
Assessor's name & Reg. code			
Venue of Assessment			
Date of assessment			
Items to be evaluated: (Award appropriate marks for each item evaluated)	Marks available	Marks obtained	Comments
1. Wore safety clothing			
i. Safety boots (Award 1 or 0)	1		
ii. Apron (Award 1 or 0)	1		
2. Handled of tools (Award 2 or 0)	2		
3. Observed color code (Award 3 or 0)	3		
Sub total	07		
CHECKLIST			
TASK 1			
4. Accurate measurements $\pm 2mm$ (Award any 6 or $\frac{1}{2}$)	3		
5. Fixed components (firm and level) (Award any 4 or $\frac{1}{2}$)	2		
6. Fixed cable runs (straight and flat on surface)			
i. Vertical (Award any 4 or $\frac{1}{2}$)	2		
ii. Horizontal (Award any 2 or $\frac{1}{2}$)	1		
7. Cable bends 90° (flat and smooth)	2		
8. Uniform spacing of buckle clips	2		
9. System triggered an alarm.	5		
10. Vibration sensed.	3		
11. Siren Rung.	2		

Sub total	22		
TASK 2			
12. Listed the materials required; (Award 1 mark for any 6)	6		
TASK 3			
13. Mounted the cameras (Award 6 or 0)	6		
TASK 4			
14. Configured the DVR to view the images. (Award 6 or 0)	6		
Sub total	18		
GRAND TOTAL	47		
Percentage = $\frac{X}{47} \times 100$	100		
The candidate was found to be: (Please tick (√) as appropriate)			
Competent <input type="checkbox"/>	Not yet competent <input type="checkbox"/>		
<i>(The candidate is competent if s/he gets scores 50%)</i>			
Feedback from candidate:			
Feedback to candidate:			
Candidate's signature:	Date		
Assessor's signature:	Date		

APPENDIX: PRINT FOR ASSESSOR(S) ONLY

S/NO	Item Description	Unit of Measure	QUANTITY
1.	HD cameras	Pieces	4
2.	4-channel DVR (Digital Video Recorder)	Piece	1
3.	Monitor	Piece	1
4.	Coaxial cable (rg59) with power	Metres	1 m
5.	BNC Connectors	Pieces	8
6.	DC power Jack	Pieces	2
7.	Power Supply Unit (10A)	Piece	1
8.	Camera Mounting Brackets	Pieces	2
9.	Screws 1''	Packet	enough
10.	Cable Clips	Packet	enough
11.	Siren kit	Piece	1
12.	Alarm control panel	Piece	1
13.	Panic button	Piece	1
14.	Vibration Sensor	Piece	1
15.	Four-core alarm cable	Metres	5M