

071305T4EOP

ELECTRICAL OPERATOR (POWER OPTION) LEVEL 5

ENG/OS/PO/CR/05/5

Install Security Systems

July/August 2025



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

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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
i. Wore Personal Protective Equipment <ul style="list-style-type: none"> Dustcoat/Overall (<i>Award 1 or 0</i>) Safety boots (<i>Award 1 or 0</i>) 	1 1		
ii. Applied housekeeping practice <ul style="list-style-type: none"> Ensured clean working area before beginning working. (<i>Award 1 or 0</i>) Tidy working area arrangement (<i>Award 1 or 0</i>) 	1 1		
iii. Identified and used tools and equipment <ul style="list-style-type: none"> Multi-meter (<i>Award 1 or 0</i>) Phase tester (<i>Award 1 or 0</i>) Plier (<i>Award 1 or 0</i>) Screw drivers (<i>Award 1 or 0</i>) try square (<i>Award 1 or 0</i>) 	1 1 1 1 1		
iv. Observed colour code (<i>Award 1 or 0</i>)	1		
Sub-total 1	10		
TASK 1			
i. Utilized the installation board <ul style="list-style-type: none"> Layout (<i>Award 1 or 0</i>) 	1 2		

Measurements $\pm 2\text{mm}$ (Award any 4 x $\frac{1}{2}$)			
ii. Marked off positions (Award any 6x1)	6		
iii. Fixed components (Cameras, DVR, connectors, ccu) <ul style="list-style-type: none"> • Level (Award any 4 x 1) • Firmness (Award any 4 x 1) • Uniform spacing of saddles/clips vertical and horizontal (Award 4 x1) 	4 4 4		
iv. Terminated cables. <ul style="list-style-type: none"> a. In BNC connectors (2x1) b. DC connectors (2x1) c. Cameras (2x1) d. Power supply (4x1) e. DVR (4x1) 	2 2 2 4 4		
v. Labelled accessories after installation (Award any 4x1)	4		
Sub-total 2	39		
TASK 2			
i. Performed <ul style="list-style-type: none"> a. continuity test (Award 3 or 0) b. polarity (Award 3 or 0) 	3 3		
Sub-total 3	6		
TASK 3			

Tested system operation (<i>Award 5 x 2</i>) a. cameras (<i>Award 4 or 0</i>) b. monitor (<i>Award 2 or 0</i>) c. switch (<i>Award 2 or 0</i>) d. DVR (<i>Award 2 or 0</i>)	10		
Sub-total 4	10		
GRAND TOTAL	65		
Percentage = $\frac{X}{65} \times 100$			
ASSESSMENT OUTCOME			
The candidate was found to be: <div style="display: flex; justify-content: space-around; align-items: center;"> Competent <input style="width: 40px; height: 20px; border: 1px solid black;" type="checkbox"/> Not yet Competent <input style="width: 40px; height: 20px; border: 1px solid black;" type="checkbox"/> </div> <p style="margin-top: 5px;"><i>(Please tick as appropriate)</i></p> <p style="margin-top: 5px;"><i>(The candidate is competent if the candidate obtains at least 50%)</i></p>			
Feedback from the Candidate:			
Feedback to the Candidate:			
Candidate Signature	Date:		
Assessor's Signature	Date		