

**071305T4EOP**

**ELECTRICAL OPERATION LEVEL 5**

**ENG/OS/PO/CR/05/5/A**

**Install security systems**

**March/April 2025**



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

**INSTRUCTIONS TO ASSESSOR**

Ensure all the materials and equipment are provided.

**This paper consists of FIVE (5) printed pages.**

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

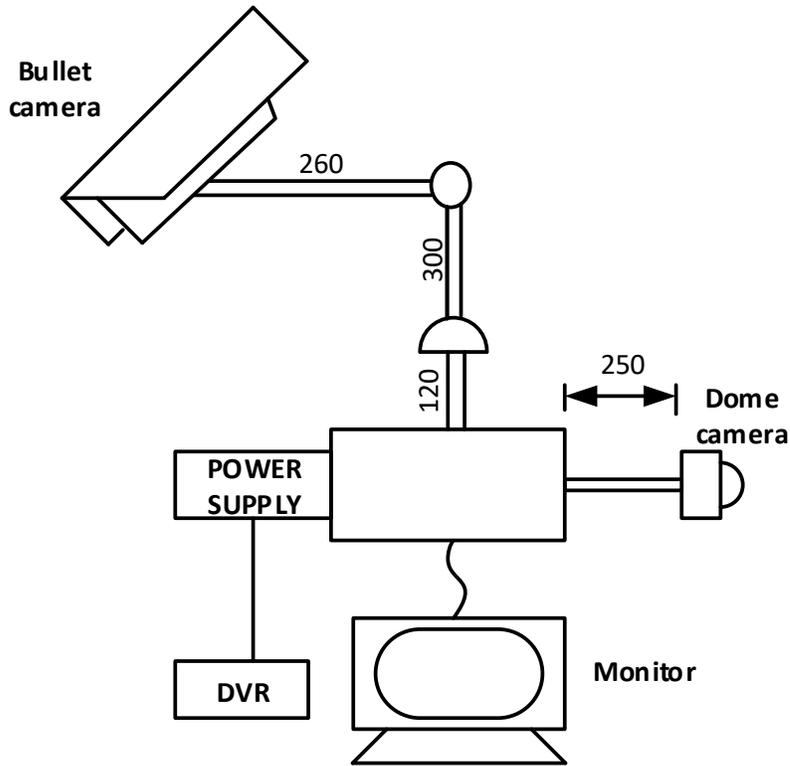


Figure 1: CCTV system Arrangement

<b>Candidate's name &amp; Registration No.</b>			
<b>Assessor's name &amp; Reg. code</b>			
<b>Unit(s) of Competency</b>	<b>Install Security Systems</b>		
<b>Venue of Assessment</b>			
<b>Date of assessment</b>			
<b>Items to be evaluated:</b> <i>(Award appropriate marks for each item evaluated)</i>	<b>Marks available</b>	<b>Marks obtained</b>	<b>Comments</b>

<b>OBSERVATION CHECKLIST</b>			
1. Wore safety clothing			
i. Safety boots ( <i>Award 1 or 0</i> )	1		
ii. Apron ( <i>Award 1 or 0</i> )	1		
iii. Proper handling of tools ( <i>Award 1 or 0</i> )	1		
2. Observed colour code ( <i>Award 1 or 0</i> )	1		
<b>Sub Total</b>	<b>4</b>		
<b>PRODUCT CHECKLIST</b>			
<b>TASK 1</b>			
3. Listed tools to be used ( <i>award any 4 × <math>\frac{1}{2}</math></i> )	2		
4. Material estimate ( <i>award any 6 × 1</i> )	6		
<b>Sub-total</b>	<b>8</b>		
<b>TASK 2</b>			
5. Marked camera points ( <i>award 2 × 1</i> )	2		
6. Fixed cameras (firm and levelled.) ( <i>award 2 × 1</i> )	2		
7. Erected PVC conduits			
i. Correct Dimensions ( <i>award 4 × 1</i> )	4		
ii. Correct termination ( <i>award any 8 × <math>\frac{1}{2}</math></i> )	4		
iii. Firm conduits mounting ( <i>award 4 × <math>\frac{1}{2}</math></i> )	2		
iv. Level conduits mounting ( <i>award 4 × <math>\frac{1}{2}</math></i> )	2		
8. <b>Correct circuit connection</b>			
i. Correct BNC terminations ( <i>award any 8 × 1</i> )	8		

ii. Correct power cable termination ( <i>award 2 or 0</i> )	2		
iii. Correct configuration of DVR ( <i>award 2 or 0</i> )	2		
iv. Correct cable choices ( <i>award 2 or 0</i> )	2		
9. Neatness ( <i>award 2 or 0</i> )	2		
<b>Sub-total</b>	<b>32</b>		
<b>TASK 3</b>			
10. Performed continuity test ( <i>award 5 or 0</i> )	10		
11. Correct circuit operation ( <i>award 5 or 0</i> )			
<b>Sub-total</b>	<b>10</b>		
<b>Total marks</b>	<b>56</b>		
$\frac{X}{56} \times 100$	<b>100</b>		
<b>The candidate was found to be:</b> (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% of marks)</i>			
<i>Feedback from candidate:</i>			
<i>Feedback to candidate:</i>			
<i>Candidate's signature:</i>	<i>Date:</i>		
<i>Assessor's signature:</i>	<i>Date:</i>		

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