

**071305T4EOP**

**ELECTRICAL OPERATION (POWER OPTION) LEVEL 5**

**ENG/CU/PO/CR/02/5/A**

**Install Electrical Power Lines**

**Nov/Dec 2024**



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

**PRACTICAL ASSESSMENT GUIDE**

**INSTRUCTIONS TO ASSESSOR:**

1. You are required to mark the practical as the candidate performs the tasks.
2. You are required to take video clips at critical points.
3. Ensure the candidate has a name tag and registration code at the back and front.

**This guide consists of FOUR (4) printed pages.**

**Assessor should check the guide to ascertain that all the pages are printed as indicated and that no questions or answers are missing.**

<b>Candidate's Name</b>			
<b>Registration No</b>			
<b>Assessor's Name</b>			
<b>Registration Code</b>			
<b>Unit(s) of Competency</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 allocated</b>	<b>Marks obtained</b>	<b>Comments</b>
<b>OBSERVATION CHECKLIST</b>			
1. Wore Personal Protective Equipment i. Dustcoat/Overall <i>(Award 1 or 0)</i> ii. Safety boots <i>(Award 1 or 0)</i>	1  1		
2. Applied good housekeeping practice i. Clean working area before start of practical <i>(Award 1 or 0)</i> ii. Tidy work area arrangement <i>(Award 1 or 0)</i> iii. Proper waste disposal <i>(Award 1 or 0)</i>	1  1 1		
3. Identified and correctly used tools and equipment i. Safety belt ii. Use of search rope <i>(Award 3 or 0)</i> iii. Climbers <i>(Award 3 or 0)</i> iv. Spanner <i>(Award 3 or 0)</i>	2 2 2 3		
<b>Sub total</b>	<b>14</b>		

<b>PRODUCT CHECKLIST</b>			
<b>TASK 1: Conductor stringing</b>			
4. Stringed conductor correctly			
i. Insulator termination ( <i>Award 2 mark for each equipment; total 10 marks</i> )	10		
ii. Correct sag ( <i>Award each 3 or 0 marks</i> )	5		
<b>Sub-Total</b>	<b>15</b>		
<b>TASK 2: Earthing</b>			
5. Proper PME work (Twisted, Folded, Firm and not nicked)			
i. Earth rod ( <i>Award 4 or 0</i> )	4		
ii. Inspection loop ( <i>Award 3 or 0</i> )	3		
iii. Line tap ( <i>Award 3 or 0</i> )	3		
<b>Sub- total</b>	<b>10</b>		
<b>TASK 3: Posts support</b>			
4. Used stay wire to support correct poles			
i. Correct Fixing position ( <i>Award 7 or 0</i> )	3		
ii. Correct tension ( <i>Award 7 or 0</i> )	5		
iii. Correct termination of stay rod ( <i>Award 8 or 0</i> )	7		
<b>Sub - Total</b>	<b>15</b>		
<b>TASK 4: Transposing of conductors</b>			
5. Transposed the three conductors			
i. Maintaining the right sequence after transposing ( <i>Award 2 or 0</i> )	3		
ii. Correct angle and termination at transposing pole ( <i>Award 3 or 0</i> )	3		
6. Correct operation of the installation ( <i>Award 10 or 0</i> )	10		
<b>Sub - Total</b>	<b>16</b>		

<b>GRAND TOTAL</b>	<b>70</b>		
<b>Percentage = <math>\frac{x}{70} \times 100</math></b>	<b>100</b>		
<b>ASSESSMENT OUTCOMES</b>			
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 50% of the marks)</i>			
<b>Feedback from candidate:</b>			
<b>Feedback to candidate:</b>			
<b>Candidate's signature:</b>		<b>Date:</b>	
<b>Assessor's signature:</b>		<b>Date:</b>	

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