

073105T4LAS

LAND SURVEYING LEVEL 5

LSM/OS/LM/CR/02/5/A

Conduct Engineering Survey

July/August 2025



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

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 & Admission Number			
Assessors Name			
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
TASK: Set Out a Simple Circular Curve			
1. Identified and correctly used PPEs - Safety boots/closed shoes - Dust coat/overalls/reflector <i>(Award 1 mark each)</i>	1 1		
Sub-total 1	2		
2. Correctly computed setting out data - Accurately computed setting out angles - Correctly tabulated setting out data <i>(Award 1 mark per correct angle, 5x1 = 5 marks)</i>	5 1		
Sub-total 2	6		
3. Identified a suitable site - Estimated a site not exceeding 0.5 Ha - Selected fairly level site <i>(Award 2 mark each)</i>	2 2		
Sub-total 3	4		
4. Correctly set up the instrument Centering	4		

• Levelling up (Award 4 marks each)	4		
Sub-total 4	8		
5. Accurately established the curve • Accurately set out the tangents • Accurately measured angles • Accurately ranged and measured distances • Correctly pegged curve points (Award 1 mark per point, 1 mark per angle, 5x1 = 5 marks)	2 5 2 5		
Sub-total 5	14		
6. Plotted the as-built plan • Correct curve shape • Indicated all curve points • Correctly plotted a 10 m wide road reserve (Award 2 marks each)	2 2 2		
Sub-total 6	6		
7. Designed the plan • Correctly indicated marginal details – Title – Title block – Scale – North arrow • Completeness and neatness of product (Award 2 marks each)	2 2 2 2 2		
Sub-total 7	10		
GRAND TOTAL	50		

ASSESSMENT OUTCOME	
The candidate was found to be: Competent ☐ Not yet Competent ☐ <i>(Please tick as appropriate)</i> <i>(The candidate is competent if the candidate obtains at least 50%)</i>	
Feedback from the Candidate:	
Feedback to the Candidate:	
Candidate Signature	Date:
Assessor's Signature	Date