

073106T4LAS

LAND SURVEY LEVEL 6

LSM/OS/LS/CR/01/6/A

Conduct Topographical Survey

Nov/Dec 2024



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

PRACTICAL ASSESSMENT

OBSERV

CKLIST

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
1. Identified and used PPEs appropriately - Dust coat/Reflector/Apron - Safety boots/Closed shoes <i>(Award marks as indicated=2 marks)</i>	1 1		
Sub-total 1	2		
Task 1: Selected a suitable site and did a reconnaissance of the area			
2. Assessed the topography of the area and removed the obstacles.	2		

3. Measured the distance between points A and B 20m apart.	2		
4. Pegged out the two points	2		
<i>(Award marks as indicated=6 marks)</i>			
Sub-total 2	6		
Task 2: Picking the coordinates of the points and calculated the bearing AB			
5. Handled and operated the Handheld GPS receiver	2		
6. Picked and recorded the coordinates of points A and B	2		
7. Calculated the bearing of the line AB using coordinates	2		
<i>(Award marks as indicated=6 marks)</i>			
Sub -total 3	6		
Task 3: Setting up of the instrument			
8. Accurately set up the instrument			
• Centering	3		
• Levelling	2		
• Focussing	2		
<i>(Award marks as indicated=7 marks)</i>			
Sub-total 4	7		
Task 4: Picking the details			
9. Accurately oriented the instrument	5		
10. Correctly picked at least 10 points comprising of points, linear, polygon and spot heights	8		
<i>(Award marks as indicated=13 marks)</i>			
Sub-total 5	13		
Task 5: Plotting of the topo Map			

11. Sorted the data and imported the coordinates to the software	4		
12. Plotted the map accurately	2		
13. Included map elements			
• Title	1		
• Choice of scale	2		
• Legend	3		
• Neat line	1		
• North Arrow	1		
14. Exported the topo map into pdf	2		
(Award marks as indicated=16 marks)			
Sub-total 6	16		
TOTAL	50		
ASSE UTCOME			
The candidate was found to be:			
Competent <input style="width: 50px; height: 30px; border: 1px solid black;" type="checkbox"/> Not yet Competent <input style="width: 50px; height: 30px; border: 1px solid black;" type="checkbox"/>			
<i>(Please tick as appropriate)</i>			
<i>(The candidate is competent if the candidate obtains at least 50%)</i>			
Feedback from candidate:			
Feedback to candidate:			
Candidate Signature		Date:	
Assessor's Signature		Date	

