

071606T4ABT

AUTOBODY TECHNOLOGY LEVEL 6

ENG/OS/ABT/CR/01/6/A

Design Vehicle Body

Mar/Apr 2025



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

PRACT MENT

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

PRODUCT CHECKLIST

Candidate's Name & Registration Code			
Assessor's 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
TASK 1: COMPLETED THE JOB SPECIFICATION SHEET FOR THE BUS SEAT STAND			
1. Completed dimensions section - All measurements correct per KS 372:201 - Standards properly referenced (Award 3 marks each)	3 3		
2. Materials specified correctly - Frame materials and sizes - Joint specifications (Award 3 marks each)	3 3		
3. Finish details provided - Surface treatment - Welding specifications - Edge treatment (Award 1 mark each)	1 1 1		
Sub-Total 1	15		
TASK 2: CREATED PRELIMINARY SKETCHES SHOWING ALL VIEWS AND DIMENSIONS			
4. Completed views - Front view - End view	2 2		

Top view (Award 2 marks each)	2		
5. Included dimensions (Award 4 marks)	4		
Sub-Total 2	10		
TASK 3: PRODUCED A WORKING DRAWING IN AUTOCAD			
6. Drew orthographic projections - Front view complete with dimensions - Side view complete with dimensions - Top view complete with dimensions (Award 6 marks for each)	6 6 6		
7. Followed technical standards. - Drawing fits on sheet with proper gap between views - Dimension text is readable and properly placed - Thick lines used for outlines, thin lines for dimensions - Standard welding symbols used at joint locations - Hidden lines shown where parts are obscured (Award 2 marks or 0 each)	2 2 2 2 2		
Sub-Total 3	28		
TASK 4: CREATED A 3D MODEL USING AUTOCAD 3D TOOLS			
8. Modelled parts accurately			

• Frame width measures exactly 400 mm in model space • Side view shows exactly 25 mm height difference between front and rear • Tube cross-sections measure 25mm x 25mm <i>(Award 5 marks each)</i>	5		
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9. Modelled complete assembly			
• All vertical and horizontal frame members present • All tubes connect properly at corners <i>(Award 5 marks each)</i>	5		
	5		
Sub-Total 4	25		
TASK 5: DOCUMENTED THE DESIGN			
10. Documents are well organized			
• Printed work had a title block showing candidate's name and registration number • All AutoCAD drawing files (.dwg) were saved to the CD • All required files present: spec sheet, sketches, CAD drawings, 3D model <i>(Award 2 marks or 0 each)</i>	2		
	2		
	2		
Sub-Total 5	6		
GRAND TOTAL	84		
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