071504T4WLD

WELDING LEVEL 4

ENG/OS/WEF/CR/04/4/A

PERFORM GAS WELDING IN ALL POSITIONS WITH VARIOUS METAL WORK

PIECES

July/August 2024



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

ASSESSOR GUIDE PRACTICAL ASSESSMENT

INSTRUCTIONS TO THE ASSESSOR:

- 1. You are required to mark the practical as the candidate performs the task;
- 2. You are required to take video clips at critical points;
- 3. Ensure the candidate has an identification tag pinned at the back and front near the shoulders showing candidates name and registration code.

Note: Assessor is required to plan for hold points/stoppage points to check, observe or verify items in a manner that do not interfere with the candidate's progress during practice session.

This guide consists of SIX (6) printed pages.

Turn Over

OBSERVATION CHECKLIST			
Candidate's Name:			
Candidates' registration code:			
Assessor's Name:			
Assessors' registration code:			
Venue of assessment:			
Date of assessment:			
Items to be evaluated. Award marks	Max.	Actual	Comment
appropriately. Give a brief comment where less	marks	marks	
marks are awarded.			
Adhered to prescribed safety as per			
workplace procedure and OSHA:			
a) Wore and used PPEs correctly			
i) Welding shield/ googles	1		
ii) Safety boots	1		
iii) Leather gloves	1		
iv) Leather apron/ Overall/ Dust coat	1		
(Award 1 or 0 mark for each)			
SUB- TOTAL	4		
2. Welding equipment set up as per task			
specifications:			
a) Connected gas horses correctly	1		
b) Set working gas pressure to enable	1		
welding, on both cylinders			
c) Closed the gas cylinder valve after	1		
welding			
(Award 1 or 0 mark for each)			
SUB- TOTAL	3		
3. Performed welding positions as per the job			
specifications:			

		ı	
a) 1G	1		
b) 2F	1		
c) 2G	1		
d) 3F	1		
e) 3G	1		
f) 5F	1		
g) 5G	1		
(Award 1 or 0 mark for each)			
SUB - TOTAL	7		
4. Performed housekeeping:			
a) Left the work area in a safe, clean	1		
and tidy state			
b) Segregated waste and disposed as	1		
per workplace procedures			
c) Returned tools and unused materials	1		
(Award 1 or 0 mark for each)			
SUB-TOTAL	3		
TOTAL (observation)	17		
PRODUCT CHECKLIST			
5. Prepared work pieces according to task			
specifications:			
a) Dimensions: Linear tolerance: ± 1 mm	ı		
All dimensions are in mm			
i) 100 (20 × ½)	10		
ii) 50 (4 × ½)	2		
iii) 50 (on pipes) $(2 \times \frac{1}{2})$	1		
(Award ½ or 0 mark for each)			
b) Squareness of work pieces:			
i) 100×100 $(8 \times \frac{1}{2})$	4		
ii) 100×50 $(4 \times \frac{1}{2})$	2		
(Award ½ or 0 mark for each)			

c) Performed edge		
preparation:		
i) Created bevel on each	4	
workpieces $(8 \times \frac{1}{2})$	·	
(Award ½ or 0 mark for each)		
SUB - TOTAL	23	
6. Butt joint (in at least one of the butt joints):		
a) Alignment	2	
b) Weld quality		
i) No undercut	2	
ii) No cavities	2	
iii) No cracks	2	
iv)Proper fusion	2	
v) No distortion	2	
(Award 2 or 0 marks for each)		
SUB - TOTAL	12	
7. Corner joint (in at least one of the butt joints):		
a) Alignment $90^{\circ} \pm 1$	2	
b) Weld quality		
i) No undercut	2	
ii) No cavities	2	
iii) No cracks	2	
iv)No distortion	2	
v) Proper fusion	2	
(Award 2 or 0 marks for each)		
SUB - TOTAL	12	
8. Butt joint: (On two pipes joint)		
a) Alignment 180° ± 1	2	
b) Weld quality		
i) No undercut	2	

	1		
2			
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The candidate was found to be:		
	Competent	Not yet competent
(Please tick as appropriate)		
(The candidate is competent if he/she gets 50	0% and above.	
Feedback from candidate:		
Feedback to candidate:		
Candidate's signature:		Date:
Assessor's signature:		Date:
S		

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