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SELF ASSESSMENT GUIDE

Qualification:	MANUAL METAL ARC WELDING (MMAW) NC I		
Units of Competency Covered:	<ul style="list-style-type: none"> • Set up welding equipment • Prepare / Fit up welding joints • Weld carbon steel plates using MMAW 		
Instruction:			
<ul style="list-style-type: none"> • Read each of the questions in the left-hand column of the chart. • Place a check in the appropriate box opposite each question to indicate your answer. 			
Can I?		YES	NO
SET UP WELDING EQUIPMENT			
<i>Set up welding machine</i>			
1. Prepare selected welding machine in accordance with job requirements, welding procedures and specifications, drawings, sketches and manufacturer's instructions.*			
2. Connect welding machine to an independent power supply and set to the polarity-required in the welding procedures / specifications.*			
3. Adjust current consistent with job requirements to produce acceptable weld.			
4. Complete task without causing damage to the equipment, tools and materials and injury to self and others.*			
5. Perform task in accordance with company or industry requirements and safety procedure.*			
6. Complete required output as per WPS and verified by assessor.			
7. Comply safety requirements as per welding machine manufacturer's recommendations. *			
<i>Set up welding accessories</i>			
8. Identify welding accessories in accordance with job requirements, welding procedure specifications, drawings, sketches and manufacturer's instructions. *			
9. Set up welding accessories in accordance with job requirements, welding procedure specifications and manufacturer's instructions and safety requirements. *			
10. Perform task in accordance with company or industry requirements and safety procedure. *			
11. Verify correct required output by assessor.			

<i>Set up welding positioner, jigs and fixtures</i>		
12. Provide braces, stiffeners, and other jigs in conformity with job requirements. *		
13. Perform task in accordance with company or industry requirements and safety procedure. *		
14. Verify correct required output by assessor.		
PREPARE / FIT UP WELDING JOINTS		
<i>Set up root opening and alignment</i>		
15. Set up root opening and alignment.*		
16. Set up root opening in accordance with the requirements of WPS.*		
17. Align welding joint within the range of acceptability of code and standard.*		
18. Perform task in accordance with company or industry requirements and safety procedure.*		
19. Complete required outputs as per WPS and verified by assessor.		
<i>Perform tack welding</i>		
20. Perform tack welds on the welding joints in accordance with the requirements of WPS or jobs requirement. *		
21. Install backing plate, stiffeners, running plates as required. *		
22. Free fitted welding joints from rust, paints, slags and other contaminant. *		
23. Accepts fitted welding visually and dimensionally. *		
24. Perform task in accordance with company or industry requirements and safety procedure. *		
25. Complete required output as per WPS and verified assessor.		
<i>Set up fitted welding joints</i>		
26. Position and secure fitted welding joints according to the requirements. *		
27. Perform task in accordance with company or industry and safety procedure. *		
28. Complete required output as per WPS and verifies assessor.		
WELD CARBON STEEL PLATES USING MMAW		

<i>Perform single pass fillet weld</i>		
29. Perform root pass in accordance with WPS or job requirement. *		
30. Perform task in accordance with company or industry requirement and safety procedure. *		
31. Clean weld free from slag and other impurities. *		
32. Visually check weld for defects and repaired, as required. *		
33. Visually accept weld in accordance with applicable codes and standards. *		
34. Complete required output as per WPS and assessor.		
<i>Perform multiple pass fillet welds</i>		
35. Perform multiple pass fillet welds in accordance with WPS or job requirement. *		
36. Perform task in accordance with company or industry requirement and safety procedure. *		
37. Clean weld free from slag and other impurities. *		
38. Visually check weld for defects and repaired, as required. *		
39. Visually accept weld in accordance with applicable codes and standards. *		
40. Complete required output as per WPS and verified by assessor.		
<i>Perform root pass on groove / butt joint</i>		
41. Perform root pass in accordance with WPS or job requirement. *		
42. Perform task in accordance with company or industry requirement and safety procedure. *		
43. Clean weld free from slag and other impurities. *		
44. Visually check weld for defects and repaired, as required. *		
45. Visually accept weld in accordance with applicable codes and standards. *		
46. Complete required output as per WPS and verified by assessor.		
<i>Weld subsequent fill passes on groove / butt joint</i>		
47. Perform subsequent fill passes in accordance with approved WPS and/or client specifications. *		
48. Clean weld free from slag and other impurities. *		
49. Visually check weld for defects and repaired, as required. *		

50. Visually accept weld in accordance with applicable codes and standards. *		
51. Perform task in accordance with company or industry requirement and safety procedure. *		
52. Complete required output as per WPS and verified by assessor.		
<i>Perform capping on groove / butt joint</i>		
53. Perform capping in accordance with approved WPS and/or client specifications. *		
54. Clean weld free from slag and other impurities. *		
55. Visually check weld for defects and repaired, as required. *		
56. Visually accept weld in accordance with applicable codes and standards. *		
57. Perform task in accordance with company or industry requirement and safety procedure. *		
58. Complete required output as per WPS and verified by assessor.		
<i>Perform final visual inspection</i>		
59. Visually check weld for defects and repaired, as required. *		
60. Visually accept weld in accordance with applicable codes and standards. *		
61. Perform task in accordance with company or industry requirement and safety procedure. *		
62. Complete required output as per WPS and verified assessor.		
I agree to undertake assessment in the knowledge that information gathered will only be used for professional development purposes and can only be accessed by concerned assessment personnel and my manager/supervisor.		
Candidate's Name & Signature		Date: