Reference. No.															

SELF ASSESSMENT GUIDE

Qualification:	**MANUAL METAL ARC WELDING (MMAW) NC III**
Units of Competency Covered:	• Set up welding equipment • Prepare / Fit up welding joints • Weld Austenitic Stainless-Steel Plates Using MMAW

Instruction:
- 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		
Set up welding machine		
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.*		
Set up welding accessories		
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.		

Set up welding positioner, jigs and fixtures		
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		
Set up root opening and alignment		
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.		
Perform tack welding		
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 visually and dimensionally fitted welding. *		
24. Perform task in accordance with company or industry requirements and safety procedure. *		
25. Complete required output as per WPS and verified assessor.		
Set up fitted welding joints		
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 AUSTENITIC STAINLESS-STEEL PLATES USING MMAW		

Perform single pass fillet weld		
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.		
Perform multiple pass fillet welds		
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.		
Perform root pass on groove / butt joint		
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.		
Weld subsequent fill passes on groove / butt joint		
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.		
Perform capping on groove / butt joint		
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.		
Perform final visual inspection		
59. Visually accept weld in accordance with applicable codes and standards. *		
60. Perform task in accordance with company or industry requirement and safety procedure. *		
61. 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:**	