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| Reference. No. | | | | | | | | | | | | | | | | | | |
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SELF ASSESSMENT GUIDE

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| Qualification: | MANUAL METAL ARC WELDING (MMAW) NC II | | |
| Units of Competency Covered: | <ul style="list-style-type: none"> • Set up welding equipment • Prepare / Fit up welding joints • Weld carbon steel plates and pipes 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 | | | |
| 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 CARBON STEEL PLATES AND PIPES USING MMAW | | |

| Perform root pass | | |
|---|--|--|
| 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 verified by assessor. | | |
| Weld subsequent fill passes | | |
| 35. Perform subsequent fill passes in accordance with approved WPS and/or client specifications.* | | |
| 36. Clean weld free from slag and other impurities.* | | |
| 37. Visually check weld for defects and repaired, as required.* | | |
| 38. Visually accept weld in accordance with applicable codes and standards.* | | |
| 39. Perform task in accordance with company or industry requirement and safety procedure.* | | |
| 40. Complete required output as per WPS and verified by assessor. | | |
| Perform capping | | |
| 41. Perform capping in accordance with approved WPS and/or client specifications.* | | |
| 42. Clean weld free from slag and other impurities.* | | |
| 43. Visually check weld for defects and repaired, as required.* | | |
| 44. Visually accept weld in accordance with applicable codes and standards.* | | |
| 45. Perform task in accordance with company or industry requirement and safety procedure.* | | |
| 46. Complete required output as per WPS and verified by assessor. | | |
| Perform final visual inspection | | |
| 47. Visually accept weld in accordance with applicable codes and standards.* | | |
| 48. Perform task in accordance with company or industry requirement and safety procedure.* | | |
| 49. 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: