



Australian Government

Assessment Requirements for MEM05076 Perform welding supervision

Release: 1

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Modification History

Release 1. Changes to prerequisites. Supersedes and is not equivalent to MEM05024 Perform welding supervision.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include the ability to:

- follow work instructions, standard operating procedures (SOPs) and safe work practices
- review required welding for an enterprise or at least two welding projects and determine the scope of welding supervision required
- instruct welders and determine welding parameters in accordance with welding procedure specifications (WPS) on at least two occasions
- qualify welders by training and testing against relevant procedures on at least two occasions
- ensure materials can be traced to their source and a traceability register is maintained
- monitor internal quality assurance plan and safety procedures
- arrange for non-destructive tests (NDTs) and/or destructive tests appropriate to weld procedure and verify results against specifications
- supervise all welding related record keeping and ensuring consistency with internal quality assurance plan.

Note: Where a volume and/or frequency is not specified, demonstration must be provided at least once.

Knowledge Evidence

Evidence required to demonstrate the required knowledge for this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include knowledge of:

- safe welding practices and procedures and use of personal protective equipment (PPE)
- welding metallurgy including principles and effects of heat treatment
- welding terminology and symbols
- application of welding standards and codes relevant to welding supervision including AS1796, AS 2214 or equivalent national and international standards and codes
- welding processes and parameters and relationship to weld quality
- weld discontinuities and relationship to weld quality
- welding procedures defined by code and technical requirements
- NDT methods and application associated with welding.
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Assessment Conditions

- Assessors must:
- have vocational competency in performing welding supervision at least to the level being assessed with relevant industry knowledge and experience
 - satisfy the assessor requirements in the *Standards for Registered Training Organisations 2015* or its replacement and comply with the *National Vocational Education and Training Regulator Act 2011*, its replacement or equivalent legislation covering VET regulation in a non-referring state/territory as the case requires.
 - Assessment must occur in a functioning workplace. Where assessment in the workplace would be unsafe, impractical or threatens the environment, assessment must occur in a sufficiently rigorous simulated environment that reflects the circumstances that would be experienced in a functioning workplace. Assessment must cover all aspects of workplace performance, including task skills, task management skills, contingency management skills and job role environment skills.
- Knowledge assessment may be either verbal or written but must adequately reflect the knowledge requirements of the unit in a functioning workplace.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications.
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.
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Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>