



Australian Government

**Assessment Requirements for MSTTF3004
Perform advanced welding of plastic
materials**

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to LMTTF3004A Perform advanced welding of plastic materials

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:

- reading and following work instructions, standard operating procedures (SOPs), safe work practices and other reference material
- applying relevant standards
- complying with all relevant safety requirements, including safe use of plastic welding equipment, hand and power tools and electrical equipment
- following work orders
- interpreting equipment and materials specifications and instructions needed for the plastic welding process
- preparing material to be welded and setting up welding equipment
- using high frequency welder on at least five (5) products and performing welds, according to workplace requirements, with a satisfactory degree of quality consistency
- performing normal operator maintenance of work area to enable work to be conducted safely and efficiently
- documenting and communicating work-related information including reporting of faults and other problems
- labelling or tagging completed product and completing any necessary documentation in accordance with workplace procedures.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- relevant Australian Standards
- specific work health and safety (WHS) requirements associated with hot air and hot wedge welding
- hazards associated with heated plastics
- plastic welding principles and techniques
- operations of a high frequency welder
- general operating principles of plastic welding equipment
- a range of plastic welding equipment, hand tools and power tools commonly used in the plastic welding process, and their appropriateness for particular applications

- operations of a high frequency welder
- power sources, such as single phase, three phase and weather-protected outlets
- materials and equipment specifications
- relevant quality standards for plastic welds
- WHS and environmental requirements of relevant industry and workplace procedures
- general housekeeping policies and procedures
- WHS practices, including hazard identification and control measures
- quality practices
- workplace procedures
- recording and reporting practices.

Assessment Conditions

- Assessors must:
 - satisfy the assessor competency requirements that are in place at the time of the assessment, as set by the VET regulator
 - have vocational competency in performing advanced welding of plastic materials, at least to the level being assessed, with relevant industry knowledge and experience.
- Assessment should occur in operational workplace situations. Where this is not possible, or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment reflecting realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.
- 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.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications associated with this unit.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e>