



Australian Government

Assessment Requirements for MSTTF2022 Weld plastic materials

Release: 1

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Modification History

Release 1. Merges MSTTF2014 and MSTTF3004 to incorporate high-frequency welding as a welding type. Unit code and Application changed. Elements and Performance Criteria simplified with Element 1 and 2 combined. Foundation Skills field populated. Range of Conditions removed with relevant information moved to Knowledge Evidence. Assessment Requirements clarified with generic foundation skills statements moved to appropriate section and duplication with Performance Criteria removed. Supersedes and is not equivalent to MSTTF2014 Weld plastic materials and MSTTF3004 Perform advanced welding of plastic materials.

Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- safely set up and operate welding equipment and complete at least two types of welding on plastic materials to workplace quality standards, with each type of weld process to be used on at least five occasions
- perform routine operator maintenance of welding equipment at least once.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- safe work practices and procedures for plastics welding:
 - use of personal protective equipment (PPE)
 - specific requirements associated with different types of welding
 - hazards associated with heated plastics and control measures
 - basic characteristics and safety requirements associated with power sources, such as single phase, three phase and weather-protected outlets
- existence of any Australian Standards requirements for materials or products being welded
- plastic welding processes and techniques:
 - general operating principles of equipment
 - types, characteristics, uses and limitations of plastic welding equipment and their appropriateness for particular applications:
 - foot controlled welder
 - hand welder
 - hot air welder
 - hot wedge welder
 - high-frequency welder
 - types of materials to be welded and their features – PVC, vinyl, clear plastics

- ancillary hand tools and power tools commonly used in the plastic welding process
- quality standards for completed welds
- environmental protection and sustainability requirements
- workplace procedures for recording and reporting information.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - work documentation
 - items to be welded
 - plastics welding equipment
 - workplace procedures.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e>