



Australian Government

Assessment Requirements for MSMPCII298 Make an object from metal

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MSAPCII298A Make an object from metal

Performance Evidence

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

- construct, assemble and finish at least one (1) basic object from metal
- follow work instructions, operating procedures and inspection practices to:
 - minimise the risk of injury to self or others
 - prevent damage to goods, equipment or products
 - achieve required production output and product quality
 - modify activities to cater for variations in workplace contexts and environment
- use routine workplace tools, equipment, materials and measuring devices correctly and safely
- apply pre-checking and quality techniques to anticipate construction problems, avoid reworking and avoid wastage
- perform normal operator maintenance of work area to enable work to be conducted safely and efficiently
- communicate and work effectively and safely with others
- comply with work health and safety (WHS) requirements and safety instructions
- apply safe handling requirements for equipment, products and materials, including the use of personal protective equipment (PPE)
- collect, organise and understand information related to basic plans
- use mathematical ideas and techniques for measuring and calculating areas and estimating materials requirements
- follow instructions and specifications and ask for help where needed.

Knowledge Evidence

Must provide evidence that demonstrates knowledge of:

- the concept of work flow and its relation to manufacture of objects
- WHS standards and requirements
- relevant statutory requirements and codes of practice
- hand and portable power tools and their application
- mechanical cutting techniques
- fabrication and shaping techniques
- types of paints, sealants and glues

- types of jigs and templates
- workshop plant and equipment
- manufacture and assembly techniques
- common materials used in the manufacture of metal objects.

Assessment Conditions

- Assessment should occur on the job or in a workplace simulated facility with relevant equipment, materials, work instructions and deadlines.
- This unit must always be assessed in holistically in conjunction with other units of competency that form part of a specified job function.
- Foundation skills are integral to competent performance of the unit and should not be assessed separately.
- Performance must be demonstrated consistently over a period of time.
- Workplace for this unit means a manufacturing environment specifically established for learning introductory manufacturing skills. It may be:
 - a school classroom or workshop equipped to teach manufacturing principles and practices
 - RTO premises equipped to teach manufacturing principles and practices
 - an enterprise environment where above average supervision exists and training is occurring. The normal production imperatives have been modified to take into account the training being delivered.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including work instructions, specifications, hand and/or power tools, metal working machinery, workplace records and a suitable work area.
- Assessors must:
 - as a minimum, satisfy the Standards for Registered Training Organisations 2015 assessor requirements
 - have vocational competency in the manufacturing industry at least to the level being assessed, with broad industry knowledge and experience, usually combined with a relevant industry qualification
 - be familiar with the current skills and knowledge used and have relevant, current experience in the manufacturing industry.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=d1287d36-dff4-4e9f-ad2c-9d6270054027>