



**Australian Government**

# **Assessment Requirements for MSTTF2002 Cut, bend and shape metal**

**Release: 1**

# Assessment Requirements for MSTTF2002 Cut, bend and shape metal

## Modification History

Release 1. Supersedes and is equivalent to LMTTF2017A Cut, bend and shape metal

## 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
- applying relevant standards
- complying with all relevant safety requirements applicable to the safe use of cutting and bending equipment
- interpreting work orders
- interpreting equipment and materials specifications and instructions needed for the cutting and forming processes
- setting up cutting and forming equipment
- performing cutting process using at least three (3) different tools or equipment according to workplace procedures, on at least three (3) different products
- performing forming processes according to workplace procedures on at least three (3) products
- inspecting completed work to assess quality
- performing normal operator maintenance of work area to enable work to be conducted safely and efficiently
- documenting and communicating work related information including reporting faults and other problems
- applying 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 cutting and heating equipment
- common metals and basic sections used in fabrication work
- metal cutting processes
- metal grinding and dressing processes
- metal forming processes

- the range of cutting and forming equipment, hand tools and power tools used in cutting and forming processes and their appropriateness for particular applications
- power sources, such as single phase, three phase and weather-protected outlets
- operating principles of tools and equipment used in cutting, dressing and forming metals, including abrasive cutting wheels, gas equipment, grinding wheels, guillotines and power hacksaws
- hazards associated with powered machinery and gas equipment
- materials and equipment specifications
- 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 cutting, bending and shaping metal, 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>