



Australian Government

Assessment Requirements for MSTTF2019 Cut and form metal

Release: 1

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Modification History

Release 1. Unit code Title and Application changed. Elements and Performance Criteria restructured and simplified with several elements 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 equivalent to MSTTF2002 Cut, bend and shape metal.

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:

- comply with all safety requirements for the use of cutting and forming equipment, and complete all of the following in any combination:
 - cut metal using at least three different tools or equipment types
 - cut metal for at least three products
 - form metal for at least three products
- perform routine operator maintenance of cutting, bending and forming equipment at least once.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- safe work practices and procedures for working with metal, including:
 - use of personal protective equipment (PPE)
 - hazard identification and control measures, specifically those associated with cutting and heating equipment and the use of powered machinery
- common metals and basic sections used in textile fabrication work
- metal working processes and techniques:
 - metal cutting
 - metal grinding and dressing
 - metal forming – hot and cold bending and hand forming
 - quality checking and quality indicators
 - environmental protection and waste minimisation requirements
- power sources and associated safety requirements - single phase, three phase and weather-protected outlets
- cutting and forming tools and equipment, their appropriateness for particular applications and their operating principles, including:
 - abrasive cutting wheels

- gas equipment
- grinding wheels
- guillotines
- power hacksaws
- 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 specifications
 - metal stock to be processed
 - metal cutting and forming 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>