



**Australian Government**

# **Assessment Requirements for MSTLG3001 Make a prototype**

**Release: 1**

# Assessment Requirements for MSTLG3001 Make a prototype

## Modification History

Release 1. Supersedes and is equivalent to LMTLG3001A Make a prototype

## 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, industry codes and standards
- planning and coordinating complicated designs, that consist of at least four (4) components, and prototype operations in line with specifications, customer requirements and work deadlines
- preparing equipment and work prior to commencing operations
- using computer-aided design (CAD) or manual techniques to design components to conform with model
- selecting appropriate materials
- liaising with other relevant departments to determine practicality of design, cost of production and predicted commercial success
- producing prototypes for at least two (2) different products, using appropriate manufacturing processes over the full range of operations
- reviewing prototype with customer specifications and customer
- making samples for marketing and testing and correcting, as necessary
- producing working patterns for at least two (2) different leather products.

## Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- manufacturing focus of the enterprise
- manufacturing capacity, skill capacity, and tool or equipment base of workplace
- materials and properties and their reaction to manufacturing processes
- pattern design and prototype construction
- CAD and manual techniques used in the design phase
- quality standards and handling procedures
- work health and safety (WHS) and environmental aspects of relevant processes
- relevant federal and state or territory legislative or regulatory requirements
- recording and reporting procedures.

## 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 making a prototype, 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>