

MSTLG3001 Make a prototype

Release: 1

MSTLG3001 Make a prototype

Modification History

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

Application

This unit of competency covers the skills and knowledge to design processes leading to the making of a prototype for marketing purposes and must reflect fashion trends and the enterprise focus of manufacture.

Work may be conducted in small to large scale enterprises and may involve individual and team activities. Work is performed within industry codes, standards and defined procedures.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Competency Field

Leather production

Unit Sector

Not applicable

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1 **Determine job** requirements
- 1.1 Follow standard operating procedures (SOPs)
- 1.2 Comply with work health and safety (WHS) requirements at all times
- 1.3 Use appropriate personal protective equipment (PPE) in accordance with SOPs
- 1.4 Identify job requirements from customer requirements, specifications, drawings, job sheets or work instructions

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2	Design or modify existing model	2.1	Set up workstation in accordance with specifications and workplace procedures
		2.2	Design components to conform with model, using computer-aided design (CAD) or manual technique with reference to all relevant operations
		2.3	Select materials, trims and colours
		2.4	Produce models from appropriate materials to specifications
		2.5	Ensure ongoing liaison occurs with relevant departments in workplace to ensure workability and marketability of design and availability of materials and resources, including workforce skills
3	Produce prototype	3.1	Modify or design existing model to translate design concept into 3-D
		3.2	Coordinate making of prototype using sample patterns, relevant designed components and all relevant manufacturing processes
4	Test prototype	4.1	Liaise with other relevant departments in relation to practicality of design and cost of production, and predicted commercial success
		4.2	Review prototype with customer specifications and customer, as appropriate
		4.3	Make corrections, as necessary
		4.4	Make samples for marketing or testing
5	Produce patterns	5.1	Create standard or master pattern from the mean form
		5.2	Dissect standard to produce all working patterns, making adjustments for enterprise procedures and materials used to create patterns
		5.3	Derive patterns from the master pattern allowing for adjustments, as required

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5.4 Prepare and store documentation

Foundation Skills

This section describes those required skills (language, literacy and numeracy) that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Workplace procedures include one or more of the following:

- requirements prescribed by legislation, industry codes and standards, awards, agreements and conditions of employment
- SOPs
- work instructions
- oral, written and visual communication
- quality practices, including responsibility for maintenance of own work quality and contribution to quality improvement of team or section output
- housekeeping
- tasks related to environmental protection, waste disposal, pollution control and recycling
- WHS practices

Leather products include one or more of the following:

- clothing
- bags
- accessories
- saddles and saddlery components

Australian Standards include:

• the relevant industry or Australian Standards that are current at the time this unit is being undertaken

WHS practices

WHS practices must include hazard identification and control, risk assessment and implementation of risk reduction measures specific to the tasks described by this unit, and include one or more of the following:

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- manual handling techniques
- PPE
- safe materials handling
- ergonomic arrangement of workplaces
- following marked walkways
- safe storage of equipment
- housekeeping
- reporting accidents and incidents
- other WHS practices relevant to the job and enterprise

Unit Mapping Information

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Links

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

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