



Australian Government

MSTFP4002 Make patterns for custom-made footwear

Release: 1

MSTFP4002 Make patterns for custom-made footwear

Modification History

Release 1. Supersedes and is equivalent to LMTFP4002A Make patterns for custom-made footwear

Application

This unit of competency covers the skills and knowledge required to develop patterns for custom-made footwear designs for a full range of leathers and other appropriate textiles and materials.

The unit of competency applies to making patterns for custom-made shoes and may involve the selection and modification of existing patterns. Design specifications may be workplace or client initiated. Discretion and judgement is required for both self and others in planning and selecting processes, procedures and outcomes.

The work responsibilities of the patternmaker will vary in scope according to the size of the workplace, the range of designs and specialisation in the workplace, workplace quality standards and the degree of autonomy of the patternmaker.

Patternmakers may have responsibility for the development of prototypes or toiles, making samples and testing patterns, developing the design and estimating leather and material usage.

Work may be conducted in small to large scale enterprises and may involve individual and team activities.

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

Pre-requisite Unit

Nil

Competency Field

Footwear 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.

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|---|----------------------|-----|---|
| 1 | Determine job | 1.1 | Follow standard operating procedures (SOPs) |
|---|----------------------|-----|---|

	requirements	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 specifications, drawings, job sheets or work instructions
2	Prepare to make patterns for custom-made footwear	2.1	Interpret design requirements from design brief and determine design specifications
		2.2	Clarify patternmaking requirements
		2.3	Select samples of required materials and footwear components for use in patternmaking
3	Develop patterns for custom-made footwear	3.1	Make pattern specifications based on client's measurements and in line with budget, timeframe and costs
		3.2	Select appropriate techniques to prepare pattern and achieve design according to workplace procedures
		3.3	Prepare patterns with reference to last construction
		3.4	Make initial upper design on 3-D last
		3.5	Accurately translate information from 3-D last master to 2-D working patterns
		3.6	Produce standard and working patterns of both upper and sole in line with specifications, accepted standards and construction tolerances
		3.7	Review pattern and make modifications that accurately reflect selected materials, shoe style and specific client requirements
4	Test pattern	4.1	Make a mock-up or diagnostic fitting with allowance for difference between diagnostic and final materials
		4.2	Evaluate diagnostic fitting and review proposed construction and materials in line with design and fit

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, 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

Australian Standards include:

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

Design specifications include the following:

- production specifications
- materials
- colours
- components

Unit Mapping Information

Release 1. Supersedes and is equivalent to LMTFP4002A Make patterns for custom-made footwear

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e>

Assessment Requirements for MSTFP4002 Make patterns for custom-made footwear

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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 and other reference material
- applying relevant standards
- interpreting design brief and confirming specifications
- identifying and defining design lines and features
- choosing patterns to suit specifications and measurements or developing new patterns to suit specifications on at least three (3) occasions
- modifying, checking and testing at least three (3) patterns according to selected materials, shoe style and specific client requirements
- making prototype or toile
- making and evaluating a mock-up of proposed construction and materials in line with design and fit, to confirm pattern
- communicating effectively with design team and customers
- applying work health and safety (WHS) policies in work operations
- applying workplace procedures
- maintaining accurate records

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
- principles and concepts of patternmaking
- general principles of custom-made footwear design
- cost efficiency in relation to patternmaking
- range of typical leathers, fabrics, including weight and other characteristics
- toile production
- standard and working patterns
- procedures for marker making
- practices for cutting and construction
- WHS and environmental aspects of relevant enterprise activities

- workplace procedures and reporting processes
- WHS practices
- quality practices
- workplace procedures
- practices for recording and reporting.

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 patterns for custom-made footwear, 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.

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