



**Australian Government**

# **MSTFP4003 Prepare, cut and sew custom-made shoe components**

**Release: 1**

# MSTFP4003 Prepare, cut and sew custom-made shoe components

## Modification History

Release 1. Supersedes and is equivalent to LMTFP4003A Prepare, cut and sew custom-made shoe components

## Application

This unit of competency covers the skills and knowledge required to measure, cut and sew custom-made shoe components.

This unit of competency applies to the preparation, cutting and sewing of custom-made shoe components, including stuff cutting, making or modification of lasts, making of soles, sole and heel units, and insoles. Discretion and judgement may be required, for both self and others, in planning and selecting processes, procedures or outcomes. The unit of competency applies to workplace activities associated with producing custom-made shoes and the degree of complexity will relate to leather and other materials being used and intricacy of design.

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.

|   |                                   |     |                                                                    |
|---|-----------------------------------|-----|--------------------------------------------------------------------|
| 1 | <b>Determine job requirements</b> | 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 specifications, drawings, job sheets or work instructions                                                                              |
| 2 | <b>Confirm custom-made footwear requirements</b> | 2.1 | Review and confirm client requirements and design specifications                                                                                                      |
|   |                                                  | 2.2 | Determine materials required for production, confirm availability and order special or one-off materials from appropriate suppliers                                   |
|   |                                                  | 2.3 | Review pattern to ensure compliance with design requirements                                                                                                          |
|   |                                                  | 2.4 | Clarify design features with patternmaker, if required, and identify technical aspects of production                                                                  |
| 3 | <b>Prepare shoe last</b>                         | 3.1 | Construct an original last from selected materials to produce a last with the desired shape and dimensions                                                            |
|   |                                                  | 3.2 | Make inside build-ups (additions), form to the last and shape to comply with design specifications                                                                    |
|   |                                                  | 3.3 | Trial fit build-up components to review fit and function, modify if required, and attach                                                                              |
|   |                                                  | 3.4 | Check the last and any build-up components, and make adjustments and refinements, if necessary, in line with design requirements and established production standards |
|   |                                                  | 3.5 | Check shoe last for construction faults and compliance with design specifications                                                                                     |
| 4 | <b>Prepare and make components</b>               | 4.1 | Prepare components according to workplace procedures                                                                                                                  |
|   |                                                  | 4.2 | Correct size cut pieces, mark, count and stamp according to work ticket and to workplace specifications                                                               |
|   |                                                  | 4.3 | Prepare components using appropriate method and equipment and according to workplace requirements                                                                     |

|   |                                                   |     |                                                                                                                              |
|---|---------------------------------------------------|-----|------------------------------------------------------------------------------------------------------------------------------|
| 5 | <b>Cut or click leather</b>                       | 5.1 | Cut parts manually or by machine to enterprise quality standards in relation to material flaws and individual pairs selected |
|   |                                                   | 5.2 | Click pairs and cut manually or by machine to achieve best yield according to appropriate allowance                          |
|   |                                                   | 5.3 | Check work against pattern and design requirements                                                                           |
| 6 | <b>Prepare and make the upper</b>                 | 6.1 | Prepare upper according to workplace procedures                                                                              |
|   |                                                   | 6.2 | Process upper manually or by machine                                                                                         |
|   |                                                   | 6.3 | Machine seams and trim threads to achieve specified results                                                                  |
|   |                                                   | 6.4 | Check upper against pattern and design requirements                                                                          |
| 7 | <b>Conduct final quality check for operations</b> | 7.1 | Check final product meets workplace quality requirements                                                                     |
|   |                                                   | 7.2 | Deal with production faults in accordance with workplace procedures                                                          |
|   |                                                   | 7.3 | Bundle uppers and component parts, stack, store or despatch in accordance with workplace procedures                          |
|   |                                                   | 7.4 | Document process and faults                                                                                                  |

## 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

**Last includes one or more of the following:**

- slip on
- court
- boot
- sandal
- inner shoes
- 

**Tools and equipment include one or more of the following:**

- knives and cutting tools
- stamps
- sewing machines
- threads
- needles
- hand tools
- machine tools
- computers
- mechanical duplicators

## Unit Mapping Information

Release 1. Supersedes and is equivalent to LMTFP4003A Prepare, cut and sew custom-made shoe components

## 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 MSTFP4003 Prepare, cut and sew custom-made shoe components

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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
- applying relevant standards
- clarifying design requirements and cutting leather and other materials
- Operating appropriate tools and equipment used in the production of custom made shoes
- constructing an original last from selected materials to produce a last with the desired shape and dimensions
- shaping and modifying lasts to meet specifications
- checking the last and any build-up components, and making adjustments and refinements, if necessary, in line with design requirements
- preparing components using appropriate method and equipment
- cutting parts manually or by machine to enterprise quality standards
- preparing and sewing the upper manually or by machine
- dealing with production faults in accordance with workplace procedures
- checking final product meets workplace quality requirements
- maintaining accurate records of faults, products and processes
- applying all the relevant work health and safety (WHS) practices when working in the leather goods production industry.

## 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
- anatomy of foot and ankle
- characteristics of last:
  - slip on
  - court
  - boot
  - sandal

- inner shoes
- last-making methods and materials
- shoe construction methods
- design requirements:
  - colours
  - quantities
  - quality requirements
  - size
  - componentry
  - measurements
  - style
- characteristics of typical leathers, fabrics and other materials used in shoe production
- operating procedures for cutting and machining leather
- tools and equipment:
  - knives and cutting tools
  - stamps
  - sewing machines
  - threads
  - needles
  - hand tools
  - machine tools
  - computers
  - mechanical duplicators
- quality standards and leather handling procedures
- material flaws of leather, including veins, growth marks, tick and scars
- WHS and environmental aspects of relevant workplace activities
- workplace procedures
- processes for communicating with clients and other personnel
- WHS practices, including hazard identification and control measures
- practices for recording and reporting outcomes.

## 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 preparing, cutting and sewing custom-made shoe components, 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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