



Australian Government

MSTMF4009 Produce custom-made medical grade footwear

Release: 1

MSTMF4009 Produce custom-made medical grade footwear

Modification History

Release 1. Supersedes and is equivalent to LMTMF6005A Produce custom-made medical grade footwear.

Application

This unit of competency describes the skills and knowledge required to produce custom-made medical grade footwear, including shoe types that consist of slip-on, shoe, boot, sandal, inner shoe and orthotic incorporation.

Work is generally conducted in a small business situation. The unit may apply to a sole practitioner, or someone working directly with medical grade footwear practitioners.

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

Pre-requisite Unit

N/A

Unit Sector

Medical grade footwear

Elements and Performance Criteria

Elements		Performance Criteria	
Elements describe the essential outcomes.		Performance criteria describe the performance needed to demonstrate achievement of the element.	
1.	Clarify client order	1.1	Confirm required information has been provided in job requirements and order form
		1.2	Consult other parties to clarify or provide additional information about medical grade footwear requirements
2.	Determine resources required to manufacture medical grade footwear	2.1	Confirm availability of materials of type and quality required to manufacture footwear components
		2.2	Select materials to match design requirements of footwear components
		2.3	Order special or one-off materials from suppliers and confirm availability within specified timelines

Elements		Performance Criteria	
3.	Check shoe last and pattern	3.1	Check the last to confirm that it complies with order form and is free of construction faults
		3.2	Conduct a trial last fitting prior to cutting pattern
		3.3	Clarify design features with client and cut pattern
4.	Construct and finish footwear	4.1	Make mock-up of design to order specifications
		4.2	Check equipment to confirm compliance with manufacturer operating procedures and WHS practices
		4.3	Cut required footwear pieces from patterns and sew and close upper
		4.4	Prepare, cut and build componentry, including inner soles and orthotic componentry
		4.5	Prepare and last footwear
		4.6	Construct sole, heel and build-up and attach bottom, including external raisers, as required
		4.7	Liaise with relevant personnel during production of custom-made medical grade shoes to confirm details
		4.8	Undertake finishing off, add final components and check product to ensure compliance with established quality standards prior to process end
		4.9	Complete record keeping procedures and administrative tasks

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria of this unit of competency.

- Reading skills to interpret details of customer orders, work specifications and standard operating procedures
- Oral communication skills to interact effectively with clients, medical grade footwear practitioners, podiatrists and technicians
- Problem solving skills to address design and construction issues that arise when producing quality custom-made medical grade footwear

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

Unit Mapping Information

Release 1. Supersedes and is equivalent to LMTMF6005A Produce custom-made medical grade 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 MSTMF4009 Produce custom-made medical grade footwear

Modification History

Release 1. Supersedes and is equivalent to LMTMF6005A Produce custom-made medical grade footwear.

Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and:

- produced custom-made medical grade footwear to suits the needs of one client.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- elements and principles of medical grade footwear design and how they are used to meet specified requirements
- medical grade footwear and component construction and standards, including:
 - diagnostic and definitive constructions
 - modification processes to adjust and refine footwear
 - special construction details and constraints
- procedures and techniques for footwear component assembly
- suitable shoe types and materials used in constructing medical grade footwear, including:
 - full range of conventional leathers
 - textiles, plastic sheeting, appropriate padding, reinforcement
 - sole and related materials
 - fastening and closing devices
 - specific items, including adhesives, threads and steel toe caps
 - new and emerging footwear materials
- medical grade footwear terminology, components and functions:
 - soles
 - insoles
 - heels
 - unit soles
 - ethyl vinyl acetate (EVA) branded outsoles
 - thermoplastic rubber (TPR) soles
 - toe puffs
 - counters
 - eyelets

- tools and equipment used to construct medical grade footwear:
 - hand tools
 - vacuum forming and heat moulding equipment
 - sewing machines
 - sanders and polishers
- safe work practices associated with producing custom-made medical grade footwear.

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:
 - a workspace used to produce custom-made medical grade footwear using hand and machine-based techniques
 - safety equipment and standard operating procedures
- modelling of industry operating conditions, including access to clients.

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>