



Australian Government

MSTMF4010 Fit complex custom-made medical grade footwear and orthoses

Release: 1

MSTMF4010 Fit complex custom-made medical grade footwear and orthoses

Modification History

Release 1. Supersedes and is equivalent to LMTMF6006A Fit, trial and review custom-made medical grade footwear and orthoses (high complexity and risk conditions).

Application

This unit of competency describes the skills and knowledge required to fit, trial and review medical grade footwear and orthoses for foot conditions that are of high complexity or high risk, including situations where:

- correction to the foot structure is required
- several risk factors apply
- condition is painful
- there are skin conditions to be accommodated
- foot has suffered severe traumatic injury.

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

MSTMF4006 Fit medical grade footwear and orthoses

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 assessments and prescriptions	1.1	Clarify client requirements and confirm necessary information has been provided
		1.2	Consult other parties to clarify or provide additional information about footwear requirements

Elements		Performance Criteria	
2.	Conduct trial last and diagnostic fitting	2.1	Check mock-up is to specifications
		2.2	Conduct and evaluate a diagnostic fitting on last
		2.3	Review proposed construction and materials
		2.4	Conduct trial to check function of footwear and orthoses
3.	Conduct trial and final fittings	3.1	Fit medical grade footwear and orthoses and make required adjustments after consultation with client
		3.2	Conduct trial fitting of footwear and orthoses to reflect real-life usage, ease of fitting and compliance with design and production specifications
		3.3	Provide client with details for how to adapt to new footwear and orthoses and make arrangements for follow-up
4.	Conduct client follow-up and review	4.1	Re-examine foot and lower limb and compare data collected with previous observations
		4.2	Take measurements of foot, footwear and orthoses and compare to previous findings
		4.3	Take new measurements to confirm and establish extent of changes required to footwear and orthoses
		4.4	Record client and measurement information relating to changes to footwear and orthoses
		4.5	Prepare specifications for development of new, or modification of existing, footwear and orthoses
		4.6	Maintain ongoing consultation with service providers and health professionals
		4.7	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.

- Oral communication skills to interact effectively with clients with complex footwear and orthoses needs, technicians and health professionals
- Writing skills to maintain accurate records, and document measurements and test results
- Self-management skills to adhere to client confidentiality and ethical standards

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 LMTMF6006A Fit, trial and review custom-made medical grade footwear and orthoses (high complexity and risk conditions).

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 MSTMF4010 Fit complex custom-made medical grade footwear and orthoses

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Performance Evidence

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

- fitted complex custom-made medical grade footwear or orthoses for at least one client with a foot condition that is highly complex or high risk.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- procedures for assessing performance of footwear and orthoses
- methods to communicate effectively with clients and carers
- methods to physically examine the foot, footwear and orthoses
- elements and principles of medical grade footwear, orthotic and prosthetic design and how they are used to meet specified requirements
- applied anthropometrics of the foot, including the variables in and effects of physical force systems on the body, and other physical characteristics of commercial orthoses and footwear
- principles of biomechanics and kinesiology that directly influence the design and development of medical grade footwear and orthoses
- anatomy, physiology and pathology required to carry out assessments up to and including high-risk foot-related medical conditions
- common medical conditions associated with foot-related problems
- high complexity and high risk foot conditions
- variables to accommodate differing foot measurements and general foot shape needs:
 - individual tissue tolerances
 - nature and extent of functional demands
 - existing foot characteristics, including joint stiffness and prominent deformities
 - potential interventions involving casting and last
 - styles and material characteristics
- measurement methods:
 - statically
 - dynamically
 - with functional simulation

- weight bearing-and gait pattern analysers
- with manipulations to achieve greater correction or accommodation of the foot
- locations that fittings can take place
- safe work practices associated with fitting footwear and orthoses for clients with foot conditions that are of high complexity or high risk.

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 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.

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