



Australian Government

MSTMF4006 Fit medical grade footwear and orthoses that are not complex

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to LMTMF5002A Fit, trial and review medical grade footwear and orthoses (up to medium 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 up to medium complexity and risk, including where:

- corrections to the foot structure are required
- client is suffering foot-related pain or discomfort
- ulceration is not present
- there is only a single risk factor, which may include age, systemic problems such as diabetes (insulin dependent), haemophilia, peripheral vascular disease, neuropathy, ulcers, missing toes and lower limb amputations.

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

Elements		Performance Criteria	
2.	Conduct diagnostic fitting for medical grade footwear and orthoses	2.1	Use prefabricated or partially fabricated medical grade footwear and orthoses to conduct a diagnostic fitting
		2.2	Evaluate diagnostic fitting and review proposed construction and materials
		2.3	Conduct trial to check function of footwear and orthoses
3.	Conduct trial and final fittings of medical grade footwear and orthoses	3.1	Fit medical grade footwear and orthoses in preparation for trial usage and adjust after consultation with client
		3.2	Conduct trial of real-life usage of footwear and orthoses, ease of fitting and compliance with design and production specifications
		3.3	Assess outcomes of trial and adjust footwear after discussion with client
		3.4	Make follow-up arrangements with client
4.	Conduct client follow-up and review	4.1	Re-examine foot and lower limb and compare collected data with previous observations
		4.2	Take measurements of foot, footwear and orthoses and compare to previous findings
		4.3	Establish and confirm extent of changes required to medical grade footwear and orthoses
		4.4	Record new information in client records following established data recording procedures
		4.5	Prepare specifications for development of new, or modification of existing, footwear and orthoses
		4.6	Maintain ongoing consultation with service providers and client during fitting and follow-up stages
		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 and suppliers
- Numeracy skills to develop accurate specifications for new and adjusted medical grade footwear and orthoses
- Problem-solving skills to evaluate and address common foot and foot-related problems

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 LMTMF5002A Fit, trial and review medical grade footwear and orthoses (up to medium 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 MSTMF4006 Fit medical grade footwear and orthoses that are not complex

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Performance Evidence

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

- fitted medical grade footwear or orthoses for two different clients with different needs.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- elements and principles of medical grade footwear and orthotic 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
- medium complexity and risk foot conditions and how each should be addressed
- anatomy, physiology and pathology required to carry out assessments up to and including medium-risk foot-related medical conditions
- common medical conditions associated with foot-related problems
- 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
- assessment and measurement techniques to:
 - evaluate foot and related total body biomechanics
 - observe general physical condition and presenting medical conditions
 - directly examine foot and related structures, including palpation
 - obtain data of client's walk pattern using gait analysis techniques
 - obtain measurements of foot, footwear and orthoses
 - observe and clarify pathology, deformities, muscle forms, and joint functions
 - use computer-aided equipment

- discuss client's expectations of medical grade footwear and orthoses
- determine time required for adaptation to new footwear or orthoses
- determine client's ability to comply with instructions on use of footwear or orthoses
- measurement methods:
 - statically
 - dynamically
 - with and without functional simulation
 - weight bearing and gait pattern analysers
 - with manipulations to achieve greater correction or accommodation of the foot
- footwear, orthoses, construction, standards and terminology
- diagnostic and definitive orthoses constructions
- modification processes to adjust and refine orthoses
- materials, tools and equipment used to fit medical grade footwear and orthoses
- legal, ethical and work health and safety (WHS) requirements associated with fitting medical grade footwear and orthoses
- general housekeeping policies and procedures, including cleaning agents and equipment used with medical grade footwear and orthoses.

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, technology and resources, including a workspace used to fit medical grade footwear and orthoses
- modelling of industry operating conditions, including access to clients.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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