



Australian Government

MSTMF4005 Select, produce and adjust casts for accommodative orthoses

Release: 1

MSTMF4005 Select, produce and adjust casts for accommodative orthoses

Modification History

Release 1. Supersedes and is equivalent to LMTMF5001A Select, produce and adjust casts for accommodative orthoses.

Application

This unit of competency describes the skills and knowledge required to select, produce and adjust casts for accommodative orthoses.

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 additional information
2.	Select stock accommodative orthoses	2.1	Assess stock last against required foot shape and size to determine if match is suitable
		2.2	Assess stock accommodative orthoses against required shape and size to determine if match is suitable
		2.3	Fit and adjust stock accommodative orthoses according to supplier specifications

Elements		Performance Criteria	
3.	Produce accommodative orthoses casts	3.1	Select appropriate construction techniques and materials to modify or produce accommodative orthoses
		3.2	Take negative casts for accommodative orthoses using selected materials
		3.3	Produce positive casts to give desired shape and dimensions for accommodative orthoses according to work health and safety (WHS) practices
		3.4	Assemble accommodative orthoses to comply with design specifications
4.	Finalise production of accommodative orthoses casts	4.1	Perform trial fitting to review fit and function of orthoses cast
		4.2	Check, adjust and refine orthoses cast to ensure it complies with design requirements and established standards for producing accommodative orthoses
		4.3	Record accommodative orthoses cast details in client file, and complete associated record keeping activities

Foundation Skills

This section describes those language, literacy and numeracy 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 client and elicit required detail about accommodative orthoses
- Numeracy skills to accurately measure shape and size of feet and identify differences with shape and dimensions of stock lasts
- Problem solving skills to address accommodative orthoses design and construction issues

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 LMTMF5001A Select, produce and adjust casts for accommodative orthoses.

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 MSTMF4005 Select, produce and adjust casts for accommodative 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:

- selected, produced and adjusted casts for accommodative orthoses for at least two different clients with different needs.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- elements and principles of accommodative orthoses design and how they are used to meet specified requirements
- impact of medical problems and patient requirements on process for making accommodative orthoses
- applied anthropometrics of the foot, including the variables in, and effects of, physical force systems on the body, and other physical characteristics of commercial footwear
- accommodative orthoses standards
- diagnostic and definitive orthoses constructions
- modification processes to adjust and refine orthoses
- construction techniques, materials, tools and equipment used to produce casts to meet specifications, including hand and machine-based techniques
- vacuum forming and heat moulding techniques required to produce the performance evidence
- legal, ethical and work health and safety (WHS) requirements associated with producing and adjusting accommodative orthoses
- general housekeeping policies and procedures, including cleaning agents and equipment used with 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 and resources, including:

- a workspace used to produce and adjust casts for accommodative orthoses 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

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