



Australian Government

Assessment Requirements for MSTMF4008 Produce negative and positive casts for lasts and corrective orthoses

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to LMTMF6004A Produce negative and positive casts for lasts and/or corrective orthoses.

Performance Evidence

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

- produced one negative cast for a corrective orthosis, and one positive cast from a last for a corrective orthosis to suit client needs.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- elements and principles of orthoses and medical grade footwear 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
- fabrication tools and techniques used to manufacture cast devices, including:
 - hand and machine methods
 - computer-aided processes
 - mechanical duplicators
 - pour techniques
 - combinations of the above processes
- materials used to manufacture casts, including:
 - plaster
 - wood
 - thermoset resin
 - expandable foams
 - casting polyurethane
- diagnostic and definitive orthoses constructions
- modification processes to adjust and refine orthoses
- safe work practices associated with producing casts and lasts
- 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 casts for lasts and 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

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e>