



Australian Government

Department of Education, Employment and Workplace Relations

LMTMF6003A Research and evaluate medical grade footwear conditions, processes and products

Release: 1

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Modification History

Not applicable.

Unit Descriptor

Unit descriptor	This unit covers the skills and knowledge necessary to effectively research and evaluate new processes and products within the medical grade footwear sector.
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Application of the Unit

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This unit applies to activities associated with:

- researching and evaluating new processes and products within the medical grade footwear sector
- monitoring patient and condition trends that may require reporting and further research

Significant judgement is required in planning, design, technical or supervisory activities related to products and processes. Work may be conducted in small to large scale enterprises and may involve individual and team activities.

This unit is applied according to OHS and workplace practices of the enterprise, which may include:

- requirements prescribed by legislation, awards, agreements and conditions of employment
- standard operating procedures
- work instructions
- oral, written and visual communication
- quality practices, including responsibility for maintenance of own work quality and contribution to quality improvement of team or section output
- housekeeping
- tasks related to environmental protection, waste disposal, pollution control and recycling

This unit requires the application of skills associated with communication to consult with relevant personnel across a range of issues, undertake and document research on global trends and practices affecting medical grade footwear, analyse information and prepare and present data and information to relevant health professionals at seminars and conferences.

Planning and organising, problem solving and initiative and enterprise are applied in research and required to define manufacturing capabilities and develop strategy plan and critical path plan. Teamwork skills are also used to contribute to strategic planning and share research findings with others. Learning is applied throughout the unit in research processes. Technology is applied through this unit when using computers for research purposes.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisites

Employability Skills Information

Employability Skills This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Not applicable.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1 Research global trends	1.1 Global trends are researched and forecast in relation to processes and products 1.2 Developments in technology are investigated to ensure all possibilities are considered
2 Identify manufacturing capabilities or implications	2.1 Manufacturing capabilities are defined in consultation with relevant personnel on issues such as human resources, materials, financial restraints, equipment capabilities, timelines and efficiency 2.2 Options or requirements for use of external resources to undertake part of the work are determined when defining production capabilities
3 Contribute to strategic planning	3.1 Parameters are clarified, in consultation with production development, sales and marketing team, management and client where required 3.2 A strategy plan and critical path plan is developed, when necessary 3.3 Constraints are identified and taken into account when formulating the strategic plan
4 Undertake medical grade footwear research	4.1 Trends in patient profiles and medical grade footwear conditions are monitored and analysed 4.2 Research results are recorded in a manner that allows for ease of retrieval and later comparative study 4.3 Trends and analyses are reported to appropriate agencies, professional associations, government departments, other health professionals and seminars and conferences as appropriate
5 Prepare reports and presentations	5.1 Relevant information is identified and compiled; data is checked when required 5.2 Research reports are prepared for presentation to conferences and seminars 5.3 Other reports and presentations are prepared in accordance with workplace procedures

Required Skills and Knowledge

This describes the essential skills and knowledge and their level, required for this unit.

Demonstrates knowledge of:

- product specifications
- production processes
- foot-related health issues and developments and their impact on medical grade footwear design and production services
- the medical grade footwear sector - global and local trends
- research sources
- safety and environmental aspects of relevant workplace activities
- OHS practices, including hazard identification and control measures
- quality practices
- workplace practices
- recording and reporting practices

Demonstrates skills to:

- effectively evaluate processes and products
- identify constraints
- determine and recommending options
- determine report requirements and presenting information in appropriate formats
- read, interpret and follow information on work specifications, standard operating procedures and work instructions and other reference material
- maintain accurate records
- communicate within the workplace
- sequence operations
- meet specifications
- clarify and check task-related information
- carry out work according to OHS practices

Evidence Guide

The Evidence Guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for the Training Package.

Critical aspects for assessment and evidence required to demonstrate competency in this unit

Demonstrates skills and knowledge to:

- research and forecast trends
- define manufacturing capabilities and implications
- develop strategy plan and critical path plan
- communicate effectively with design team, customers, etc.
- apply OHS policies in work operations
- prepare reports and presentations

Consistently applies skills and knowledge when:

- organising work
- completing tasks
- identifying improvements
- using workplace practices
- using OHS practices
- recording and reporting accidents and incidents
- assessing operational readiness of equipment used and work processes
- recognising and adapting to cultural differences in the workplace, including modes of behaviour and interactions
- completing work systematically with attention to detail without damage to goods and equipment

Context and specific resources for assessment

Assessment may occur on the job or in an appropriately simulated environment and requires access to work areas, materials and equipment and to information on workplace practices and OHS practices.

Guidance information for assessment

This unit may be assessed independently or in combination with other relevant units.

Range Statement

RANGE STATEMENT

The Range Statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the Performance Criteria, is detailed below. Add any essential operating conditions that may be present with training and assessment depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts.

Legislative/regulatory requirements All work must comply with relevant Federal and State or Territory legislative or regulatory requirements.

OHS practices OHS practices must include hazard identification and control, risk assessment and implementation of risk reduction measures specific to the tasks described by this unit, and may include:

- manual handling techniques
- standard operating procedures
- personal protective equipment
- safe materials handling
- taking of rest breaks
- ergonomic arrangement of workplaces
- following marked walkways
- safe storage of equipment
- housekeeping
- reporting accidents and incidents
- other OHS practices relevant to the job and enterprise

Unit Sector(s)

Sector Medical Grade Footwear