



Australian Government

MSFFDM5010 Investigate ergonomic, anthropometric and proxemic considerations for design

Release: 1

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Modification History

Release 1. Unit code and title changed. Application changed. Elements and Performance Criteria changed. Range of Conditions removed and relevant information moved to Assessment Requirements. Assessment Requirements changed and volume/frequency of evidence clarified. Supersedes and is not equivalent to MSFFDT5001 Apply ergonomics, anthropometrics and proxemic considerations to a product.

Application

This unit describes the skills and knowledge required to confirm design requirements, research potential ergonomic, anthropometric and proxemic considerations for a design and apply findings to the design process.

This unit applies to individuals working in a manufacturing or design studio environment who use specialised knowledge and critical thinking to evaluate and use diverse and potentially complex information.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Competency Field

Design practice

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Confirm design requirements	1.1 Review, confirm and clarify design brief with product owner or briefer 1.2 Identify potential issues relating to ergonomic, anthropometric and proxemic factors
2. Research ergonomic, anthropometric and proxemic considerations	2.1 Identify credible sources of information about ergonomics, anthropometrics and proxemics 2.2 Source and analyse information for its application to design solution 2.3 Assess how ergonomic, anthropometric and proxemic factors impact functionality of design for different types of people 2.4 Determine potential impacts of ergonomic, anthropometric and

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	proxemic issues on how solution meets elements and principles of design 2.5 Identify, distil and document key information that applies to design
3. Use information in the design process	3.1 Explore different solutions based on research outcomes to satisfy the requirements of the design brief through testing and experimentation 3.2 Make accurate calculations for product adjustments that arise from ergonomic, anthropometric and proxemic considerations 3.3 Integrate outcomes into work on overall design solution and associated documentation, drawings and models

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

- Reading skills to interpret research information.
- Writing skills to document ergonomic, anthropometric and proxemic consideration outcomes.

Other foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Release 1. Supersedes and is not equivalent to MSFFDT5001 Apply ergonomics, anthropometrics and proxemic considerations to a product.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>