



**Australian Government**

# **MSFID5023 Design for all ages and abilities**

**Release: 1**

# MSFID5023 Design for all ages and abilities

## Modification History

Release 1. Supersedes and is equivalent to MSFID5008 Design for people with disabilities and the elderly.

## Application

This unit describes the skills and knowledge required to analyse the project brief and client requirements, generate design options and finalise the design of interior spaces using the principles of universal design to respond to the needs of people of all ages and abilities. This may include people with a disability and the elderly.

This unit applies to interior designers, including kitchen and bathroom designers.

Licensing, legislative or certification requirements may apply to this unit and relevant state/territory and local government agencies should be consulted to determine any necessary certification or licensing for undertaking interior decoration and design work. Access to construction sites requires certification of general induction training specified by the National Code of Practice for Induction for Construction Work (ASCC 2007).

## Pre-requisite Unit

N/A

## Unit Sector

Interior Decoration and Design

## 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. Analyse the project brief                     | 1.1 Evaluate project specifications, parameters and constraints, and confirm with client<br>1.2 Select work resources based on project requirements<br>1.3 Identify key project stakeholders and establish required communication protocols |
| 2. Conduct project research                      | 2.1 Identify and assess aspects of the space that impact on potential solutions through site analysis and measurement<br>2.2 Explore intended function of the space taking into account the                                                 |

| Elements                                         | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                  | <p>position of doors and windows and any physical requirements for access and egress</p> <p>2.3 Identify details of specific access issues through liaison with the client</p> <p>2.4 Investigate and assess the impact of Australian Standards requirements</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 3. Generate design ideas                         | <p>3.1 Generate multiple ideas that are sympathetic to the project brief, individual client needs and Australian Standards requirements</p> <p>3.2 Explore, integrate and refine different options through a process of reflection and testing</p> <p>3.3 Assess and review performance and characteristics of products in accordance with client requirements</p> <p>3.4 Assess ergonomic, anthropometric and proxemic principles in respect of the space, the intended products and universal access</p> <p>3.5 Analyse sustainability and cultural considerations in respect of the space</p> <p>3.6 Present and discuss products, materials and finish options with the client</p> <p>3.7 Obtain client feedback and revise and refine ideas accordingly</p> |
| 4. Finalise design                               | <p>4.1 Develop accurate drawings detailing all required measurements, dimensions and features</p> <p>4.2 Develop and document detailed specifications based on client preferences</p> <p>4.3 Estimate and document costs associated with purchasing and obtaining the products</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 5. Present design solution                       | <p>5.1 Present final design solution and costing to the client or nominated person in a format suited to the nature of the project</p> <p>5.2 Seek feedback, and agree to and record adjustments</p> <p>5.3 Base adjustments to the final design solution on feedback without loss of design integrity and functionality</p>                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Foundation Skills

The Foundation Skills describe those required skills (such as, language, literacy, numeracy and employment skills) that are essential to performance.

- technology skills to research and present design information and drawings using digital media.

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

## Unit Mapping Information

Supersedes and is equivalent to MSFID5008 Design for people with disabilities and the elderly.

## Links

Companion Volume implementation guides are found in VETNet -

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

# Assessment Requirements for MSFID5023 Design for all ages and abilities

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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:

- designed 3 spaces in accordance with the principles of universal design and Australian Standard AS1428.1 in response to project briefs that have explicit access requirements, 1 of which must relate to physical disability that requires client(s) to move around the space in a wheelchair.
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## Knowledge Evidence

There must be evidence the candidate has knowledge of:

- state or territory legislation, regulations, standards and codes of practice relevant to universal access / universal design
- purpose and key provisions of AS1428.1 – Design for access and mobility general requirements for access: all sections
- mathematical procedures for estimation and measurement
- sources of credible information on products and how they can be used or adapted for universal access
- elements and principles of design, their interrelationships, and how they are used in interior design
- ergonomics, anthropometrics, proxemics and aesthetic values
- sustainability considerations for design
- universal design guidelines in relation to:
  - interiors generally
  - kitchens
  - bathrooms
  - laundries
- types of access issues experienced in the general population and the impact on how individuals use and engage with interior space
  - access – space requirements, circulation space, height, door widths, ramps
  - acoustic
  - aids – handgrips, rails
  - lighting

- materials and finishes – tactility, non-slip
- interior space solutions that respond to different access issues
- types and features of drawings and other visual presentation techniques used to present design solutions
- digital and non-digital sketching and drawing techniques to architectural drawing standards
- formats and required inclusions for design specifications.

## 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:
  - design briefs
  - spaces for design
  - measuring equipment
  - information technology for research and design presentation.

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

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