



Australian Government

MSFID5008 Design for people with disabilities and the elderly

Release: 1

MSFID5008 Design for people with disabilities and the elderly

Modification History

Release 1 - New unit of competency

Application

This unit of competency covers designing interior residential spaces for people with disabilities and the elderly in residential environments for the solution of interior decoration and design projects and in accordance with project briefs. It applies to a retail, consulting or design and decoration studio environment and involves application of skills and knowledge at a paraprofessional level.

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

Competency Field

Unit Sector

Interior Decoration and Design

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1	Analyse the project brief	1.1	Applicable work health and safety (WHS), legislative and organisational requirements relevant to designing for residential spaces are verified and complied with
		1.2	Project brief is reviewed, confirmed and clarified with client
		1.3	Parameters for the project are assessed and confirmed
		1.4	Resources are selected appropriate to work requirements and checked for operational effectiveness
		1.5	Communication with others is established and maintained

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| | 1.6 | Relevant research is conducted to gain all information which may be used to inform the design process |
| | 1.7 | All required information is accessed and interpreted to inform the design process |
| 2 | Obtain client information | |
| | 2.1 | Site analysis of the residential environment is conducted to assess work requirements |
| | 2.2 | Nature of the disability or age reducing senses are confirmed |
| | 2.3 | Clients' health professionals/family members/carers are liaised with to ascertain any further requirements |
| | 2.4 | Themes and concepts are presented and discussed with the client in accordance with their capacity |
| | 2.5 | Products, materials and finishes are proposed and discussed with the client |
| | 2.6 | Colour options are proposed and discussed with the client |
| | 2.7 | Restrictions and timelines are ascertained from the client |
| | 2.8 | Lifestyle requirements are assessed and confirmed with the client |
| | 2.9 | Product quantities and qualities are calculated in accordance with client budget information |
| 3 | Design space | |
| | 3.1 | Intended function of the domestic space is ascertained from the client taking into account the position of doors and windows and any physical requirements |
| | 3.2 | Performance and characteristics of products are assessed and reviewed in accordance with client requirements |
| | 3.3 | Existing conditions of the domestic space are analysed for current or previous usage and any special requirements for access or egress |
| | 3.4 | Environmental considerations are analysed in respect of the space |
| | 3.5 | Cultural considerations are evaluated in respect of the space |
| | 3.6 | Ergonomic, anthropometric and proxemic principles are assessed in respect of the space, the intended products and |

		client special requirements
	3.7	Costs associated with purchasing and obtaining the products are analysed and reported
	3.8	Sketches and drawings are completed and prepared for use by contractors and for positioning of products and accessories
4	Plan space	
	4.1	Supplies necessary to complete the project are sourced and costed
	4.2	Suitable contractors are sourced and quotes obtained
	4.3	Specifications for materials and processes are developed
	4.4	Work plan is developed and evaluated
	4.5	Costing and timelines are compiled and developed into a full project proposal
	4.6	Proposal terms and conditions are negotiated with the client

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency. Detail on appropriate performance levels for each furnishing unit of competency in reading, writing, oral communication and numeracy utilising the Australian Core Skills Framework (ACSF) are provided in the Furnishing Training Package Implementation Guide.

Range of Conditions

Specifies different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included. Range is restricted to essential operating conditions and any other variables essential to the work environment.

- Unit context includes:**
- WHS requirements, including legislation, building codes, material safety management systems, hazardous and dangerous goods codes, and local safe operating procedures or equivalent
 - work is carried out in accordance with legislative obligations, environmental legislation, relevant health regulations, manual handling procedures, Liveable and

	Accessible Housing Design guidelines, and organisation insurance requirements
	• work requires individual to demonstrate discretion, judgement and problem solving, plus self-management and learning skills
Project brief includes:	• client needs and objectives • client aims and objectives, and criteria for evaluation • milestones • organisational or personal profiles and aims • image requirements and function • target market • budget • timeline • consultation requirements • colour requirements
Clients include:	• residential care providers • private clients
Parameters include:	• scope of brief • approval to make changes • effect or feel trying to be achieved • functionality (short and long term) • budget restrictions • established timelines
Resources include:	• computers • computer software • design software • computer-aided design • storyboards • swatches • product based colour systems, such as Munsell or similar • colour matching system, such as Pantone Matching System (PMS) • journals (directions magazines) • artistic equipment and products • model making equipment
Site analysis includes:	• a visit to the site to achieve a feel for the intention of the project brief and how services may be affected by it, identifying constraints of site and recording information and taking photos
Disabilities include:	• physical disabilities which have rendered a person to a wheelchair or walking frame • dementia or other intellectual disabilities

- Reducing senses include:**
- senses reduced by the cause of age, such as:
 - reduced eyesight
 - loss of colour recognition
 - perception of space
 - reduced strength and capacity to move around easily
 - reduced sense of touch to tactile surfaces
 - reduced capacity to hear
- Themes include:**
- variations of colour ways (based on directions media), furnishing trends and decoration trends
- Concepts include:**
- ideas generated to respond to the project brief and client requirements through both ideation drawings or sketching and written explanation
- Products include:**
- furniture
 - soft furnishings
 - floor treatments
 - curtain treatments
 - built-in cabinetry or fittings
 - light fittings
 - lamps
 - picture framing
- Materials include:**
- solid timber (native and imported)
 - manufactured timber products
 - plastic
 - metal
 - alloys
 - stone
 - glass
 - textiles
 - fibreglass
 - foam
 - cardboard
 - paper products
 - any other manipulable substance
- Finishes include:**
- paints
 - waxes
 - lacquers
 - stains
 - pigments
 - oils
 - plastic coatings
 - veneers

- ceramics
 - stone
 - glass
 - textiles
 - other textures
- Colours include:**
- colour principles
 - psychology
 - fundamentals
 - coordination
 - perception
 - language
 - tonal
 - translucent
 - contrast
 - harmony
 - effects on space
 - formulas
 - colour wheels
- Restrictions include:**
- laws, regulations or policies which may affect a project or those working on it, such as:
 - local government planning approval
 - worksite entry legislation
 - licensing
 - heritage laws
 - health care requirements
- Timelines include:**
- the agreed project time span set and agreed for the project
- Lifestyle requirements include:**
- influences, such as:
 - physical capacity
 - religious
 - climatic
 - societal
 - lifestyle
 - living conditions
 - infrastructure
 - status
 - habitude
- Quality includes:**
- an inspection system for ensuring that pre-determined quality standards are being met, highlighting non-conformances requiring intervention
- Spaces include:**
- domestic environments with rooms, such as:

	• bedrooms • living spaces • multi-purpose rooms • storage rooms • studies • garages • rumpus rooms • media rooms • entertainment areas • halls • pantries
Physical requirements include:	• wheelchair turning requirements • height of basins • showers • mirrors • benches • shower space for wheelchair • toilet access • handgrips or rails • lights for hearing impaired • increased lighting • higher magnifying mirrors • non-slip tiles
Performance and characteristics include:	• assessment of products to determine if they meet the requirements of the intended end use application and how well they do it, and the durability and composition of the product
Existing conditions include:	• traffic flow • architectural features • style • furniture placement • electrical outlets • features
Access and egress include:	• ensuring door widths will accept wheelchairs • ramps are established to allow for rise or fall from exits and entrances
Environmental aspects include:	• how the use of raw materials affects the ecology and environment and how its continued use will affect the area it has been sourced from • energy consumption in achieving the material • greenhouse gases created

- waste levels
 - resource utilisation and transport effects
 - what impact will be felt by reducing or stopping material from the source
- Cultural issues include:**
- demography
 - geography (local, regional and national)
 - religious
 - climatic
 - societal
 - cultural
 - lifestyle
 - attitudinal
 - gratification
 - honour
 - living conditions
 - infrastructure
 - status
 - habitude
- Ergonomics include:**
- the study of the efficiency of persons in their working environment
- Anthropometrics include:**
- the scientific study of the measurements of the human body
- Proxemics include:**
- the study of socially conditioned spatial factors in ordinary human relations
- Costs include:**
- the cost of products and materials together with the cost of obtaining them either locally, interstate or overseas
- Drawings include:**
- hand drawn images or ideation drawings completed freehand
 - drafted technical drawings or drawings produced on computer using CAD software packages (these usually contain project specifications)
- Accessories include:**
- trinkets
 - ceramics
 - trays
 - vases
 - carvings
 - baskets
 - pots
 - plants
 - candles
 - clocks
 - silverware

	• mirrors • frames • screens • floral displays • haberdashery • glassware • fireplace items • gifts • hand crafts • water features • photographs • pottery • personal items • statues • book ends • bowls • bottles
Supplies include:	• paints • furnishings • decorations • other internal fit-out products
Contractors include:	• builders • painters • tilers • carpet/flooring layers and sanders • cabinetmakers • curtain makers • picture framers • electricians • plumbers • plasterers
Quoting includes:	• a price for a project taking account of the sizes associated with the project, the cost of materials, labour and overheads
Personal protective equipment includes:	• that prescribed under legislation, regulations and enterprise policies and practices
Information and procedures include:	• work instructions, including plans, drawings and designs • workplace procedures relating to reporting and communication • manufacturer specifications and operational procedures

Unit Mapping Information

Supersedes and is equivalent to LMFID5008A 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 MSFID5008 Design for people with disabilities and the elderly

Modification History

Release 1 - New unit of competency

Performance Evidence

- Interpret work orders and locate and apply relevant information
- Apply safe handling requirements for equipment, products and materials, including use of personal protective equipment
- Identify materials used in the work process
- Follow work instructions, operating procedures and inspection processes to:
 - minimise the risk of injury to self or others
 - prevent damage to goods, equipment and products
 - maintain required production output and product quality
- Design for at least two (2) spaces to cater for people with disabilities or the elderly to provide the client with cost-effective options which inform the project brief development effectively apply design elements and principles
- Use mathematical ideas and techniques to correctly complete measurements, calculate area/volume and estimate material requirements
- Communicate ideas and information to enable confirmation of work requirements and specifications, presentation of design/colour concepts, and the reporting of work outcomes and problems
- Initiate new ideas and work techniques
- Avoid backtracking, work flow interruptions or wastage
- Work with others and in a team by recognising dependencies and using cooperative approaches to optimise work flow and productivity

Knowledge Evidence

- State or territory WHS legislation, regulations, standards and codes of practice relevant to the full range of processes for designing for people with disabilities and the elderly
- Organisational and site standards, requirements, policies and procedures for designing for people with disabilities and the elderly
- Australian Standards and the Building Code of Australia (BCA)
- Elements and principles of design, including liveability and accessibility
- Creativity and artistic relevance
- Ergonomics, anthropometrics, proxemics and aesthetic values
- Types of equipment and procedures for their safe use, operation and maintenance
- Characteristics of materials, products and defects
- Design-related computer programs
- Design themes and design development

- Colours, furnishings and decorations
- Disabilities and age considerations
- Sketching and drawing
- Procedures for the recording, reporting and maintenance of workplace records and information
- Appropriate mathematical procedures for estimation and measurement
- Environmental protection requirements
- Established communication channels and protocols
- Relevant problem identification and resolution

Assessment Conditions

- Assessors must:
 - hold training and assessment competencies as determined by the National Skills Standards Council (NSSC) or its successors
 - have vocational competency in the furnishing industry at least to the level being assessed with broad industry knowledge and experience, usually combined with a relevant industry qualification
 - be familiar with the current skills and knowledge used and have relevant, current experience in the furnishing industry.
- Assessment methods must confirm consistency of performance over time rather than a single assessment event and in a range of workplace relevant contexts.
- Assessment must be by observation of relevant tasks with questioning on underpinning knowledge and, where applicable, multimedia evidence, supervisor's reports, projects and work samples.
- Assessment is to be conducted on single units of competency or in conjunction with other related units of competency. Foundation skills are integral to competent performance in the unit and should not be assessed separately.
- Assessment must occur on the job or in a workplace simulated facility with relevant process, equipment, materials, work instructions and deadlines.
- Access is required to materials, equipment and specifications relevant to designing for people with disabilities and the elderly in domestic environments.

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